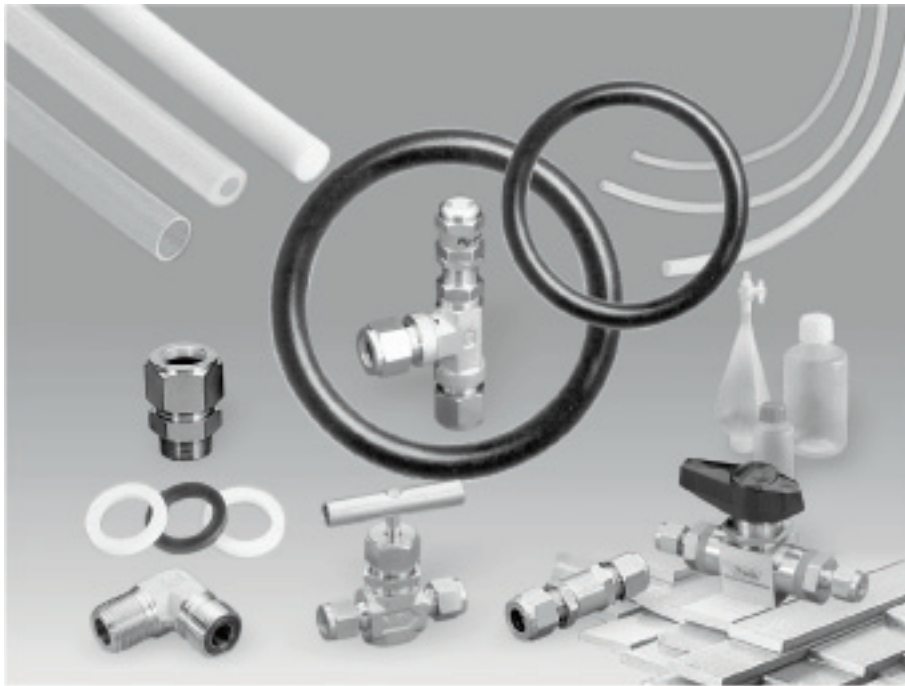




# *Fluid Compatibility Guide*

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Catalog No. H - FCG100  
Feb. 2003 First Issue



**HY-LOK CORPORATION**

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# *Fluid Compatibility Guide*

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This guide represents chemical resistance to all materials manufactured by "Hy-Lok" corporation. But in general, media characteristics like temperature fluctuation, concentration, high velocity and abrasion will affect corrosion rating. Before applying this guide, many factors that may affect the compatibility ratings should be considered, and users should test under their own operating conditions to determine which materials can be used.

## **Summary of compatibility Explanation**

- A : Recommended
- B : Satisfactory in most cases
- C : Probably unsatisfactory
- D : Not recommended
- Blank : No information available

## **Mean of Annotation**

- 1 : Satisfactory to 72°F(22°C)
- 2 : Satisfactory to 120°F(48°C)

The fluid compatibility guide is not directly cause any serious problem.

Although Hy-Lok Corporation corrosion rate suggested, we would advise that the corrosion ratings should not be used as an absolute recommendation but be used as a guide for selection of valve materials.

This guide is for reference only, so Hy-Lok corporation is not responsible for the accuracy of information in this guide.



# *Fluid Compatibility Guide*

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## **Summary of Abbreviation**

### Plastic

- PTFE : Poly Tetra Fluoroethylene.
- PFA : Per Fluoro Alcoxypolymer.
- POM : Poly Oxy Methylene.
- PCTFE : Poly Chloro Tri Fluoroethylene.
- PEEK : Poly Ether Ether Ketone.
- PVDF : Poly Vinyli Dene Fluoride.
- UHMWPE : Ultra High Molecular Weight Poly Ethylene.
- TPE : Thermo Plastic Elastomer.

### Elastomer

- NBR : Nitrile Butadeien Rubbers.
- FPM(Viton<sup>®</sup>) : Fluorocarbon Rubbers.
- EPDM : Ethylene Propylene Diene Rubbers.
- FFKM (Kalrez<sup>®</sup>) : Perfluoro Rubbers.

## **Reference**

If there is some discrepant data or if you have some fluid information that is not listed in this guide, please advise us through our Sales Representatives or Technical Engineers of Hy-Lok Corporation.

Your information can be referred to our next version of this guide.

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# [ Fluid Compatibility Guide - A ]

| Fluid Name               | Abietic Acid       | Acetaldehyde | Acetamide    | Acetamine | Acetanilide        | Acetate Solvents | Acetic Acid | Acetic Acid, 20% | Acetic Acid, 30% | Acetic Acid, 80% | Acetic Acid, aerated | Acetic Acid, Air Free | Acetic Acid, crude | Acetic Acid, glacial | Acetic Acid, pure | Acetic Acid, 10% | Acetic Acid, 80% | Acetic Acid Vapors | Acetic Acid, concentration 50% | Acetic Acid, concentration 80% | Acetic Anhydride | Acetoacetic Acid | Acetone      | Acetone Cyanohydrin | Acetonitrile | Acetophenetidin         | Acetophenone   | Other Ketones | Acetylacetone      | Acetyl - o - Toluidine | Acetyl Bromide | Acetyl Chloride | Acetylen | Acetylen Gas | Acetylen Gas with Water or Liquid Hydrocarbon | Acetylen Tetrabromide | Acid Fumes |   |   |   |
|--------------------------|--------------------|--------------|--------------|-----------|--------------------|------------------|-------------|------------------|------------------|------------------|----------------------|-----------------------|--------------------|----------------------|-------------------|------------------|------------------|--------------------|--------------------------------|--------------------------------|------------------|------------------|--------------|---------------------|--------------|-------------------------|----------------|---------------|--------------------|------------------------|----------------|-----------------|----------|--------------|---|-----------------------|------------|---|---|---|
| Formula                  | $C_{19}H_{29}COOH$ | $CH_3CHO$    | $CH_3CONH_2$ |           | $C_6H_5NH(COCH_3)$ |                  | $CH_3COOH$  | $CH_3COOH$       | $CH_3COOH$       | $CH_3COOH$       | $CH_3COOH$           | $CH_3COOH$            | $CH_3COOH$         | $CH_3COOH$           | $CH_3COOH$        | $CH_3COOH$       | $CH_3COOH$       | $CH_3COOH$         | $CH_3COOH$                     | $CH_3COOH$                     | $(CH_3CO)_2O$    | $CH_3COCH_2COOH$ | $CH_3COCH_3$ | $(CH_3)_2COHCN$     | $CH_3CN$     | $CH_3CONHC_6H_4OC_2H_5$ | $C_6H_5COCH_3$ |               | $CH_3COCH_2OCCH_3$ | $CH_3CONHC_6H_4CH_3$   | $CH_3COBr$     | $CH_3COCl$      | $C_2H_2$ |              |   | $(CHBr_2)_2$          |            |   |   |   |
| Aluminum                 | B                  | B            | A            | B         |                    |                  | B           | B                | C                | C                | C                    | C                     | B                  |                      | B                 | A                |                  |                    |                                |                                |                  |                  |              |                     |              |                         | A              |               |                    | D                      | A              |                 |          |              |   | B                     |            |   |   |   |
| Brass                    | C                  | B            | B            | D         |                    |                  | D           | B                | C                | C                | C                    | C                     | D                  |                      | D                 | A                |                  |                    |                                |                                |                  | D                |              |                     |              |                         |                | A             |                    |                        | A              | B               |          |              |   |                       | D          |   |   |   |
| Carbon Steel             | C                  | B            | A            | D         |                    |                  | D           | D                | C                | D                | C                    | C                     |                    | B                    | B                 | D                | A                |                    |                                |                                |                  |                  |              |                     |              |                         |                | A             |                    |                        |                | A               |          |              |   |                       |            | D |   |   |
| Alloy 600                | B                  |              |              |           | B                  |                  |             |                  |                  |                  |                      |                       |                    |                      |                   |                  |                  |                    |                                |                                |                  | A                |              |                     |              |                         |                |               |                    |                        |                | A               |          |              |   |                       |            |   |   |   |
| Alloy 400/450(Monel®)    | A                  |              |              |           | A                  | C                |             |                  | A                | A                | B                    |                       | D                  | B                    | B                 | C                |                  |                    |                                |                                | B                | A                |              |                     |              |                         |                | A             |                    |                        |                | B               | A        |              |   |                       |            |   |   |   |
| Alloy 20                 | A                  |              |              |           | C                  |                  |             |                  | A                | A                |                      |                       | A                  | A                    | A                 | B                |                  |                    |                                |                                | B                | A                |              |                     |              |                         |                | A             |                    |                        |                | A               |          |              |   |                       |            | B |   |   |
| Alloy C 276 (Hastelloy®) | A                  | A            | A            | A         | A                  | A                | A           | A                | A                | A                | A                    | A                     | A                  | A                    | A                 | A                | A                | A                  | A                              | A                              | A                | A                | A            | A                   | A            | A                       | A              | A             | A                  | A                      | A              | A               | A        | A            | A   | A                     | A          |   |   |   |
| Titanium                 |                    |              |              |           | A                  |                  |             |                  |                  |                  |                      |                       |                    |                      |                   |                  |                  |                    |                                |                                |                  |                  |              |                     |              |                         |                |               |                    |                        |                |                 |          |              |   |                       |            |   |   |   |
| Cast Iron                | C                  | B            | B            |           |                    |                  | D           | D                | C                | D                | C                    | C                     |                    | D                    | C                 | C                |                  |                    |                                |                                | D                | A                |              |                     |              |                         |                | A             |                    |                        | D              | A               |          |              |   |                       |            | D |   |   |
| 316 Stainless Steel      | A                  | B            | A            | A         |                    |                  | A           | A                | A                | D                | A                    | A                     | D                  | A                    | A                 | A                | D                |                    |                                |                                | B                | A                |              |                     |              |                         |                | A             |                    |                        |                | C               | A        |              |   |                       |            |   | B |   |
| 630 Stainless steel      |                    |              |              |           |                    |                  |             |                  | A                | A                | A                    | A                     | A                  | A                    | A                 | D                |                  |                    |                                |                                | B                | A                |              |                     |              |                         |                | A             |                    |                        |                | A               |          |              |   |                       |            |   |   |   |
| Carpenter 20®            | A                  |              |              |           |                    |                  |             |                  | A                | A                |                      |                       | A                  | A                    | A                 | B                |                  |                    |                                |                                | B                | A                |              |                     |              |                         |                | A             |                    |                        |                | A               |          |              |   |                       |            |   | B |   |
| PTFE/PFA (Teflon®)       | A                  | B            | A            |           | A                  | A                | A           | A                | A                | A                | A                    | A                     | A                  | A                    | A                 | A                | A                | A                  | A                              | A                              | A                | A                | A            | A                   | A            | A                       | D              | A             | D                  |                        | A              | A               |          |              |   | A                     | A          |   | A |   |
| Nylon                    | B                  |              |              |           |                    |                  | B           | B                | B                | B                | B                    | B                     | B                  | B                    | B                 | B                |                  |                    |                                |                                | B                | B                |              |                     |              |                         |                |               |                    |                        |                | A               |          |              |   |                       |            |   | A |   |
| Polyethylen(PE)          |                    |              |              |           |                    | C                |             |                  |                  |                  |                      |                       |                    |                      |                   |                  |                  |                    |                                |                                |                  |                  |              |                     |              |                         |                |               |                    |                        |                |                 |          |              |   |                       |            |   |   |   |
| POM (Delrin®)            | A                  |              |              |           | D                  | D                |             |                  | D                | D                | D                    | D                     | B                  | D                    |                   | C                | C                | C                  | A                              |                                |                  |                  |              |                     |              |                         |                | D             |                    |                        | A              | B               |          |              |   |                       |            | D |   |   |
| PCTFE (Kel-F®)           |                    |              |              |           |                    | A                |             |                  | A                | A                | A                    | A                     | A                  | A                    | A                 | A                |                  |                    |                                |                                | A                |                  |              |                     |              |                         |                |               |                    |                        |                |                 | A        |              |   |                       |            |   |   |   |
| PEEK                     | A                  | A            | A            | A         |                    |                  | A           | A                | A                | A                | A                    | A                     | A                  | A                    | A                 | A                |                  |                    |                                |                                | A                | A                |              |                     |              |                         |                | A             |                    |                        |                | A               |          |              |   |                       |            |   | A |   |
| PVDF                     | D                  | A            |              |           | A                  |                  |             |                  |                  |                  |                      |                       |                    |                      |                   |                  |                  |                    |                                |                                | D                | A                |              | C                   | A            | D                       |                |               |                    | A                      |                |                 |          |              |   |                       |            |   |   |   |
| UHMWPE                   | D                  | A            |              |           | A                  | A                | A           | D                |                  |                  | D                    | A                     | C                  |                      | C                 |                  |                  |                    |                                | D                              | B                |                  |              |                     |              |                         |                |               |                    |                        | D              | D               |          |              |   |                       |            |   |   |   |
| TPE                      |                    |              |              |           | A                  | A                |             |                  |                  |                  |                      |                       |                    |                      |                   |                  |                  |                    |                                |                                | B                | B                |              |                     |              |                         |                |               |                    |                        |                |                 | A        |              |   |                       |            |   |   |   |
| Poly Acrylate            | D                  |              |              |           | D                  | D                |             |                  |                  |                  |                      |                       |                    |                      |                   |                  |                  |                    |                                | D                              | D                |                  |              |                     |              |                         |                |               |                    |                        |                |                 |          |              |   |                       |            |   |   |   |
| Poly Urethane            | D                  |              |              |           | D                  | D                |             |                  |                  |                  |                      |                       |                    |                      |                   |                  |                  |                    |                                | D                              | D                |                  |              |                     |              |                         |                |               |                    |                        |                |                 |          |              |   | A                     | A          | D |   |   |
| NBR                      | D                  | A            | A            |           | D                  | D                | B           | B                | C                | C                | C                    | D                     | C                  | D                    | D                 | D                | D                | C                  | C                              | D                              | D                | D                | D            | C                   | D            | C                       | D              | D             | D                  |                        | D              | B               | A        | A            | D   | C                     |            |   |   |   |
| FPM (Viton®)             | D                  | C            |              |           | D                  | D                | B           | C                | B                | C                | D                    | D                     | D                  | D                    | D                 | D                | D                |                    |                                |                                | D                | D                |              |                     |              |                         | A              | D             | D                  | D                      |                | A               | A        | A            | A   | A                     |            |   |   |   |
| Neoprene                 | C                  | B            |              |           | D                  | C                |             |                  |                  | C                | C                    | D                     | D                  | D                    | C                 | D                | C                |                    |                                |                                | C                | D                |              |                     |              |                         |                | D             |                    |                        |                | D               | B        | B            | B   | B                     | B          |   |   |   |
| EPDM                     | B                  | A            |              |           | A                  | B                | A           |                  |                  |                  |                      |                       | B                  | B                    | C                 | A                | A                |                    |                                |                                | B                | A                |              |                     |              |                         | A              | D             | A                  |                        | D              | A               | A        | A            | A   | A                     |            |   |   |   |
| Kalrez®                  | A                  | C            | A            |           | A                  | A                |             |                  |                  |                  |                      |                       | A                  | A                    | A                 | A                | A                |                    |                                |                                | A                | A                | A            | A                   | A            | A                       | A              | A             | A                  | A                      | A              | A               | A        | A            | A   | A                     | A          |   |   |   |
| Grafoil®                 | A                  | A            |              |           | A                  |                  |             |                  |                  |                  |                      |                       |                    |                      |                   |                  |                  |                    |                                |                                | A                | A                |              |                     |              |                         |                |               | A                  |                        |                |                 | A        | A            |   |                       |            |   |   | C |
| Silicone                 | B                  | B            |              |           | D                  | A                | A           |                  |                  |                  |                      |                       | B                  |                      |                   |                  |                  |                    |                                |                                | C                | C                |              |                     |              |                         | D              | D             |                    |                        |                | C               | B        | C            | C   | D                     |            |   |   |   |
| Fluorosilicone           | D                  | A            |              |           | D                  | B                | B           |                  |                  |                  |                      |                       | D                  |                      |                   |                  |                  |                    |                                |                                | C                |                  |              |                     |              |                         | D              | D             |                    |                        |                | A               |          |              |   |                       |            |   | B |   |

| Fluid Name               | Acetic Acid                              | Acridine                         | Acroline              | Acrylic Acid             | Acrylonitrile                   | Acrylonitrile                            | Adipic Acid | Aero Lubriplate | Aero Shell 17 Grease | Aero Shell 1AC Grease | Aero Shell 750 | Aero Shell 7A Grease | AEROSAFE 2300 | AEROSAFE 2300W | Aerozene 50 (50% Hydrazine, 50%UDMH) | Air                              | Alcohols | Alcohol, Amyl           | Alcohol, Benzyl | Alcohol, Butyl | Alcohol, Diacetone | Alcohol, Ethyl | Alcohol, Fatty | Alcohol, Hexyl | Alcohol, Isobutyl | Alcohol, Isopropyl | Alcohol, Methyl | Alcohol, Octyl | Alcohol, Propyl | Aldehyde Acetaldehyde | Alkanesulphonic Acid, Mixed | Alkanezene | Alkyl Benzene | Alkytate, Light | Alkyl Arysulphonic Acid | Allyl, Ketone | Allyl, Chloride |           |         |  |   |   |
|--------------------------|--|----------------------------------|-----------------------|--------------------------|---------------------------------|--|-------------|-----------------|----------------------|-----------------------|----------------|----------------------|---------------|----------------|--------------------------------------|----------------------------------|----------|-------------------------|-----------------|----------------|--------------------|----------------|----------------|----------------|-------------------|--------------------|-----------------|----------------|-----------------|-----------------------|-----------------------------|------------|---------------|-----------------|-------------------------|---------------|-----------------|-----------|---------|--|---|---|
| Formula                  | H(COOH)C : C(COOH)CH <sub>2</sub> (COOH) | C <sub>13</sub> H <sub>9</sub> N | CH <sub>2</sub> CHCHO | CH <sub>2</sub> : CHCOOH | C <sub>3</sub> H <sub>3</sub> N | COOH(CH <sub>2</sub> ) <sub>3</sub> COOH |             |                 |                      |                       |                |                      |               |                |                                      |                                  |          |                         |                 |                |                    |                |                |                |                   |                    |                 |                |                 |                       |                             |            |               |                 |                         |               |                 |           |         |  |   |   |
| Aluminum                 |  |                                  |                       |                          | B B                             |  |             |                 |                      |                       |                |                      |               |                |                                      | A B B                            |          |                         | B A B B         |                |                    |                |                |                |                   | B B                |                 |                | A               |                       |                             |            |               |                 |                         |               |                 |           |         |  |   |   |
| Brass                    |  |                                  |                       |                          | A A                             |  |             |                 |                      |                       |                |                      |               |                |                                      | A B                              |          |                         | B A B B         |                |                    |                |                |                |                   | B B                |                 |                | A               |                       |                             |            |               |                 |                         |               |                 |           |         |  |   |   |
| Carbon Steel             |  |                                  |                       |                          | A A                             |  |             |                 |                      |                       |                |                      |               |                |                                      | A B B                            |          |                         | B A B B         |                |                    |                |                |                |                   | B B                |                 |                | B               |                       |                             |            |               |                 |                         |               |                 |           |         |  |   |   |
| Alloy 600                |  |                                  |                       |                          | A                               |  |             |                 |                      |                       |                |                      |               |                |                                      | A                                |          |                         |                 |                |                    |                |                |                |                   |                    |                 |                |                 |                       |                             |            |               |                 |                         |               |                 |           |         |  |   |   |
| Alloy 400/450(Monel®)    |  |                                  |                       |                          | A A                             |  |             |                 |                      |                       |                |                      |               |                |                                      | A A B                            |          |                         | A B B           |                |                    |                |                |                |                   | B A                |                 |                | A               |                       |                             |            |               |                 |                         |               |                 |           |         |  |   |   |
| Alloy 20                 |  |                                  |                       |                          | B                               |  |             |                 |                      |                       |                |                      |               |                |                                      | A                                |          |                         | A A A A         |                |                    |                |                |                |                   | A A                |                 |                | A               |                       |                             |            |               |                 |                         |               |                 |           |         |  |   |   |
| Alloy C 276 (Hastelloy®) |  |                                  |                       |                          | A B                             |  |             |                 |                      |                       |                |                      |               |                |                                      | A                                |          | B A A A A A A           |                 |                |                    |                |                |                | B A C             |                    |                 | A              |                 |                       |                             |            |               |                 |                         |               |                 |           |         |  |   |   |
| Titanium                 |  |                                  |                       |                          | A                               |  |             |                 |                      |                       |                |                      |               |                |                                      |                                  | A        |                         |                 |                |                    |                |                |                |                   |                    |                 |                |                 |                       |                             |            |               |                 |                         |               |                 |           |         |  |   |   |
| Cast Iron                |  |                                  |                       |                          | C                               |  |             |                 |                      |                       |                |                      |               |                |                                      | A                                |          | C                       |                 | C A B B        |                    |                |                |                |                   | B B                |                 |                | B               |                       |                             |            |               |                 |                         |               |                 |           |         |  |   |   |
| 316 Stainless Steel      |  |                                  |                       |                          | A A                             |  |             |                 |                      |                       |                |                      |               |                |                                      | A A A                            |          |                         | A A B A         |                |                    |                |                |                |                   | B A                |                 |                | A               |                       |                             |            |               |                 |                         |               |                 |           |         |  |   |   |
| 630 Stainless steel      |  |                                  |                       |                          |                                 |  |             |                 |                      |                       |                |                      |               |                |                                      | A                                |          |                         |                 |                |                    |                |                |                |                   |                    |                 |                |                 |                       |                             |            |               |                 |                         |               |                 |           |         |  |   |   |
| Carpenter 20®            |  |                                  |                       |                          | B                               |  |             |                 |                      |                       |                |                      |               |                |                                      | A                                |          | B                       |                 | A A A A A      |                    |                |                |                |                   |                    | A A             |                | A               |                       |                             |            |               |                 |                         |               |                 |           |         |  |   |   |
| PTFE/PFA (Teflon®)       |  |                                  |                       |                          | D                               | A A B A A A A A C B                      |             |                 |                      |                       |                |                      |               |                |                                      | A A A A A A A A A A <sup>2</sup> |          |                         | A A A A A A A A |                |                    |                |                |                | A A               |                    | A               |                |                 |                       | B                           |            |               |                 |                         |               |                 |           | B       |  |   |   |
| Nylon                    |  |                                  |                       |                          | A A                             |  |             |                 |                      |                       |                |                      |               |                |                                      | A B A                            |          |                         | A A A A A A     |                |                    |                |                |                |                   | A                  |                 |                | A               |                       |                             |            |               |                 |                         |               |                 |           |         |  |   |   |
| Polyethylen(PE)          |  |                                  |                       |                          |                                 |  |             |                 |                      |                       |                |                      |               |                |                                      |                                  |          |                         |                 |                |                    |                |                |                |                   |                    |                 |                |                 |                       |                             |            |               |                 |                         |               |                 |           |         |  |   |   |
| POM (Delrin®)            |  |                                  |                       |                          | A C                             |  |             |                 |                      |                       |                |                      |               |                |                                      | A A A                            |          |                         | A A A A A A     |                |                    |                |                |                |                   | A D                |                 |                | A               |                       |                             |            |               |                 |                         |               |                 |           |         |  |   |   |
| PCTFE (Kel-F®)           |  |                                  |                       |                          | A                               |  |             |                 |                      |                       |                |                      |               |                |                                      |                                  |          |                         |                 |                |                    |                |                |                |                   |                    |                 |                | A               |                       |                             |            |               |                 |                         |               |                 |           |         |  |   |   |
| PEEK                     |  |                                  |                       |                          | A A                             |  |             |                 |                      |                       |                |                      |               |                |                                      | A A A                            |          |                         | A A A A A A     |                |                    |                |                |                |                   | A A                |                 | A              |                 |                       |                             |            |               |                 |                         |               |                 |           |         |  |   |   |
| PVDF                     |  |                                  |                       |                          | A C A                           |  |             |                 |                      |                       |                |                      |               |                |                                      |                                  |          |                         |                 |                |                    |                |                |                |                   |                    |                 |                |                 |                       |                             |            |               |                 |                         |               |                 |           |         |  | A |   |
| UHMWPE                   |  |                                  |                       |                          | A A A                           |  |             |                 |                      |                       |                |                      |               |                |                                      |                                  |          | B D A B B               |                 |                |                    |                |                | A A A A A A    |                   |                    |                 |                |                 |                       |                             |            |               |                 |                         |               |                 |           |         |  |   |   |
| TPE                      |  |                                  |                       |                          |                                 |  |             |                 |                      |                       |                |                      |               |                |                                      |                                  | A        |                         |                 |                |                    |                | A              |                |                   |                    |                 | A B            |                 |                       |                             |            |               |                 |                         |               |                 |           |         |  |   |   |
| Poly Acrylate            |  |                                  |                       |                          | D                               |  |             |                 |                      |                       |                |                      |               |                |                                      | A                                |          | D                       |                 |                |                    |                |                |                | D D D D D         |                    |                 | D              |                 |                       |                             |            |               |                 |                         |               |                 | D A D D D |         |  |   |   |
| Poly Urethane            |  |                                  |                       |                          | D                               |  |             |                 |                      |                       |                |                      |               |                |                                      | C                                |          | D                       |                 |                |                    |                |                |                | D D D D D         |                    |                 | D              |                 |                       |                             |            |               |                 |                         |               |                 |           | D A D D |  |   |   |
| NBR                      |  |                                  |                       |                          | C B D D C A A A B B D D C       |  |             |                 |                      |                       |                |                      |               |                |                                      | A A C                            |          | D B D A B A B C B B B D |                 |                |                    |                |                |                |                   |                    |                 |                |                 |                       |                             |            |               |                 |                         |               |                 |           |         |  |   |   |
| FPM (Viton®)             |  |                                  |                       |                          | D D C C B A A A A A D D D C     |  |             |                 |                      |                       |                |                      |               |                |                                      | A A B A A A D A C B A C B A D    |          |                         |                 |                |                    |                |                |                |                   |                    |                 |                |                 |                       |                             |            |               |                 |                         |               |                 |           |         |  |   |   |
| Neoprene                 |  |                                  |                       |                          | C                               |  |             |                 |                      |                       |                |                      |               |                |                                      | A A C                            |          | B C B B                 |                 |                |                    |                |                |                | A B A B B C       |                    |                 |                |                 |                       |                             |            |               |                 |                         |               |                 |           |         |  |   |   |
| EPDM                     |  |                                  |                       |                          | A C D D B D D D D D A A A A     |  |             |                 |                      |                       |                |                      |               |                |                                      | A                                |          |                         |                 |                |                    |                |                |                | A A A A A A       |                    |                 | A              |                 |                       |                             |            |               |                 |                         |               |                 |           |         |  |   |   |
| Kalrez®                  |  | A A A A                          |                       |                          | A A A A A A A A A A B A         |  |             |                 |                      |                       |                |                      |               |                |                                      |                                  |          |                         |                 |                |                    |                |                |                |                   |                    |                 |                |                 |                       |                             |            |               |                 |                         |               |                 |           |         |  | A |   |
| Grafoil®                 |  |                                  |                       |                          | A                               |  |             |                 |                      |                       |                |                      |               |                |                                      | B                                |          | A                       |                 | A A A A        |                    |                |                |                |                   | A A                |                 | A              |                 |                       |                             |            |               |                 |                         |               |                 |           |         |  |   |   |
| Silicone                 |  |                                  |                       |                          | D                               |  |             |                 |                      |                       |                |                      |               |                |                                      |                                  |          | D                       |                 |                |                    |                |                |                | A A A B           |                    | A               |                | A               |                       | D                           |            |               |                 |                         |               |                 |           |         |  | D |   |
| Fluorosilicone           |  |                                  |                       |                          | D                               |  |             |                 |                      |                       |                |                      |               |                |                                      |                                  |          |                         |                 |                |                    |                |                |                | A B A B           |                    | D               |                | B               |                       |                             |            |               |                 |                         |               |                 |           |         |  |   | D |

| Fluid Name               | Alumina | Alum Solution | Aluminum Acetate  | Aluminum Bromide | Aluminum Chlorate | Aluminum Chloride | Aluminum Chloride, 20% | Aluminum Chloride dry | Aluminum Chloride, Solution | Aluminum Ethylate | Aluminum Fluoride | Aluminum Fluorosilicate | Aluminum Hydroxide       | Aluminum Nitrate | Aluminum Oxalate | Aluminum Phosphate        | Alum (Aluminum Potassium Sulfate) | Aluminum Salts             | Aluminum Sulfate | Alum (Aluminum Sulfate) | Alums | Aluminum oxide, max. +100 °C | Aluminum Sulphate, Solution | AMBREX 33 | AMBREX 830 | Amines | Aminoanthraquinone | p - Aminoazobenzene      | p - Aminobenzoic Acid (PABA) | 2 - (2-Aminoethoxy)ethanol | p - Aminophenol           | 2 - Aminopyridine | 4-Aminosalicylic Acid | Ammonia              | Ammonia + Lithium Metal Solution | Ammonia 10% | Ammonia Nitrate |        |   |   |   |   |   |
|--------------------------|---------|---------------|-------------------|------------------|-------------------|-------------------|------------------------|-----------------------|-----------------------------|-------------------|-------------------|-------------------------|--------------------------|------------------|------------------|---------------------------|-----------------------------------|----------------------------|------------------|-------------------------|-------|------------------------------|-----------------------------|-----------|------------|--------|--------------------|--------------------------|------------------------------|----------------------------|---------------------------|-------------------|-----------------------|----------------------|----------------------------------|-------------|-----------------|--------|---|---|---|---|---|
| Formula                  |         |               | $Al(C_2H_3O_2)_3$ | $AlBr_3$         | $Al(ClO_3)_3$     | $AlCl_3$          |                        |                       | $Al(OC_2H_5)_3$             | $AlF_3$           | $Al_2(SiF_6)_3$   | $Al(OH)_3$              | $Al(NO_3)_3 \cdot 9H_2O$ | $Al_2C_3O_{12}$  | $AlPO_4$         | $AlK(SO_4)_2 \cdot 12HOH$ |                                   | $AlNa(SO_4)_2 \cdot 12HOH$ | $Al_2(SO_4)_3$   |                         |       | $Al_2O_3$                    | $Al_2(SO_4)_3$              |           |            |        |                    | $C_6H_4(CO)_2C_6H_3NH_2$ | $C_6H_5NNC_6H_4NH_2$         | $NH_2C_6H_4CO_2H$          | $NH_2CH_2CH_2OCH_2CH_2OH$ | $C_6H_4NH_2OH$    | $C_5N_4NNH_2$         | $NH_2C_6H_3(OH)COOH$ | $NH_3$                           |             | $NH_3$          | $NH_3$ |   |   |   |   |   |
| Aluminum                 | A       | C             |                   |                  | D                 | B                 | C                      |                       | C                           |                   | B                 | D                       | B                        | D                |                  |                           |                                   | C                          |                  |                         |       |                              |                             |           |            |        | B                  |                          |                              |                            |                           |                   |                       |                      |                                  |             |                 |        |   |   |   |   |   |
| Brass                    | A       | D             |                   |                  | D                 | B                 |                        |                       | D                           |                   | A                 | D                       |                          | D                |                  |                           |                                   | C                          |                  |                         |       |                              |                             |           |            |        |                    | B                        |                              |                            |                           |                   |                       |                      |                                  |             |                 | D      |   |   |   |   |   |
| Carbon Steel             |         |               |                   |                  | D                 | C                 |                        |                       | D                           |                   | D                 |                         |                          |                  |                  |                           |                                   | D                          |                  |                         | A     |                              |                             |           |            |        | B                  |                          |                              |                            |                           |                   |                       |                      |                                  |             |                 | A      |   |   |   |   |   |
| Alloy 600                |         |               |                   |                  | D                 |                   |                        |                       |                             |                   |                   |                         |                          |                  |                  |                           |                                   | D                          |                  |                         |       |                              |                             |           |            |        | B                  |                          |                              |                            |                           |                   |                       |                      |                                  |             |                 |        |   |   |   |   |   |
| Alloy 400/450(Monel®)    | C       | C             |                   |                  | B                 | B                 | B                      |                       | B                           |                   | B                 | C                       | B                        | C                |                  |                           |                                   | C                          |                  |                         |       |                              |                             |           |            |        | B                  |                          |                              |                            |                           |                   |                       |                      |                                  |             | A               |        |   |   |   |   |   |
| Alloy 20                 |         | B             |                   |                  |                   | D                 | B                      |                       |                             |                   |                   | B                       | B                        | A                |                  |                           |                                   | B                          |                  |                         |       |                              |                             |           |            |        | B                  |                          |                              |                            |                           |                   |                       |                      |                                  |             |                 |        |   |   |   |   |   |
| Alloy C 276 (Hastelloy®) | A       | B             |                   |                  | A                 | A                 | B                      | A                     |                             | B                 |                   | B                       | B                        | A                |                  |                           | A                                 |                            | A                | B                       |       |                              |                             |           |            |        | B                  |                          |                              |                            |                           |                   |                       |                      |                                  |             |                 |        |   | A |   |   |   |
| Titanium                 |         |               |                   |                  |                   |                   |                        |                       |                             | B                 |                   | A                       |                          |                  |                  |                           |                                   | A                          |                  |                         |       |                              |                             |           |            |        | A                  |                          |                              |                            |                           |                   |                       |                      |                                  |             |                 |        |   |   |   |   |   |
| Cast Iron                |         | D             |                   |                  |                   | D                 |                        |                       | D                           |                   | D                 | D                       |                          | D                |                  |                           | D                                 |                            | D                |                         |       |                              |                             |           |            |        | C                  |                          |                              |                            |                           |                   |                       |                      |                                  |             |                 |        |   |   |   |   |   |
| 316 Stainless Steel      | A       | A             |                   |                  | D                 | C                 | D                      |                       | C                           |                   | A                 | C                       |                          | B                |                  |                           | B                                 |                            | B                |                         |       |                              |                             |           |            |        | A                  |                          |                              |                            |                           |                   |                       |                      |                                  |             |                 | A      |   |   |   |   |   |
| 630 Stainless steel      |         | B             |                   |                  |                   |                   | C                      |                       |                             |                   |                   | B                       |                          |                  |                  |                           | C                                 |                            | A                |                         |       |                              |                             |           |            |        | A                  |                          |                              |                            |                           |                   |                       |                      |                                  |             |                 |        |   |   |   |   |   |
| Carpenter 20®            |         | B             |                   |                  |                   | D                 | B                      |                       |                             |                   |                   | B                       | B                        | A                |                  |                           | B                                 |                            | B                |                         |       |                              |                             |           |            |        | A                  |                          |                              |                            |                           |                   |                       |                      |                                  |             |                 |        |   |   |   |   |   |
| PTFE/PFA (Teflon®)       | A       | A             | A                 |                  | A                 | A                 | A                      | A                     |                             | A                 |                   | A                       | A                        | A                | A                | A                         | A                                 | A                          | A                | A                       | B     |                              |                             |           | A          | A      | A                  |                          |                              | A                          |                           |                   |                       | C                    |                                  | A           | D               | A      | A |   |   |   |   |
| Nylon                    | A       |               |                   |                  | B                 |                   |                        |                       |                             | B                 |                   | B                       | B                        | D                |                  |                           | A                                 |                            | B                |                         |       |                              |                             |           |            |        |                    |                          |                              |                            |                           |                   |                       |                      |                                  |             |                 |        |   |   |   |   |   |
| Polyethylen(PE)          |         |               |                   |                  | B                 |                   |                        |                       |                             | B                 |                   |                         |                          |                  |                  |                           |                                   | B                          |                  |                         |       |                              |                             |           |            |        |                    |                          |                              |                            |                           |                   |                       |                      |                                  |             |                 |        |   |   |   |   |   |
| POM (Delrin®)            | D       | C             |                   |                  | C                 | D                 |                        |                       | D                           |                   | D                 | C                       | C                        |                  |                  |                           | D                                 |                            | D                |                         |       | B                            |                             |           |            | D      |                    |                          |                              |                            |                           |                   |                       |                      |                                  |             |                 |        |   |   |   |   |   |
| PCTFE (Kel-F®)           | A       |               |                   |                  |                   |                   |                        |                       |                             |                   |                   |                         |                          |                  |                  |                           | A                                 |                            |                  |                         |       |                              |                             |           |            |        |                    |                          |                              |                            |                           |                   |                       |                      |                                  |             |                 |        |   |   |   |   |   |
| PEEK                     | A       | A             |                   |                  | A                 | A                 | A                      |                       | A                           |                   | A                 | A                       | A                        |                  |                  | D                         |                                   | A                          |                  |                         |       |                              |                             |           |            |        | A                  |                          |                              |                            |                           |                   |                       |                      |                                  |             |                 |        |   |   |   |   |   |
| PVDF                     |         | A             |                   | A                | A                 |                   |                        |                       |                             | A                 | A                 | A                       |                          |                  |                  |                           | A                                 |                            |                  |                         |       |                              | A                           |           |            |        |                    |                          |                              |                            |                           |                   |                       |                      |                                  |             |                 |        |   | A |   |   |   |
| UHMWPE                   | A       | A             |                   |                  | B                 | B                 | A                      |                       | A                           |                   | A                 | A                       |                          |                  |                  | A                         |                                   | A                          | A                |                         |       |                              |                             |           |            |        | C                  |                          |                              |                            |                           |                   |                       |                      |                                  |             |                 |        |   |   | C | A |   |
| TPE                      |         |               |                   |                  | C                 |                   |                        |                       |                             |                   |                   |                         |                          |                  |                  |                           |                                   |                            | B <sup>1</sup>   | D                       |       |                              |                             |           |            |        | A <sup>1</sup>     |                          |                              |                            |                           |                   |                       |                      |                                  |             |                 |        |   |   |   |   |   |
| Poly Acrylate            |         | D             |                   |                  |                   |                   |                        |                       | A                           |                   |                   | D                       |                          |                  |                  |                           |                                   |                            |                  |                         |       |                              |                             |           |            | D      |                    | D                        |                              |                            |                           |                   |                       |                      |                                  |             |                 |        |   |   |   |   |   |
| Poly Urethane            |         |               |                   |                  |                   |                   |                        |                       | C                           |                   |                   |                         |                          |                  |                  |                           |                                   |                            |                  |                         |       |                              |                             |           |            |        |                    | D                        |                              |                            |                           |                   |                       |                      |                                  |             |                 |        |   |   |   |   |   |
| NBR                      | A       | A             | B                 | A                |                   | B                 | A                      | B                     | B                           |                   | A                 |                         | A                        | B                |                  | A                         | B                                 | A                          |                  | A                       | A     | A                            | A                           | A         | A          | A      | D                  |                          |                              | D                          |                           |                   |                       | D                    |                                  | B           | D               | A      | C |   |   |   |   |
| FPM (Viton®)             |         |               | D                 | A                |                   | A                 | A                      | A                     | A                           |                   | A                 |                         | A                        | A                |                  | A                         | B                                 | A                          |                  | A                       | A     |                              |                             |           |            |        |                    |                          | B                            |                            |                           |                   |                       | D                    |                                  | D           | D               | D      | D |   |   |   |   |
| Neoprene                 | A       | A             | B                 |                  | B                 | A                 | A                      |                       | A                           |                   | A                 | A                       |                          |                  |                  | A                         |                                   |                            |                  |                         |       |                              |                             |           |            | D      |                    |                          |                              |                            |                           |                   |                       |                      |                                  |             |                 |        |   |   |   |   |   |
| EPDM                     | A       | A             | A                 | A                |                   | A                 |                        |                       | A                           |                   | A                 | A                       |                          |                  |                  | A                         | A                                 | A                          |                  |                         |       |                              |                             |           |            |        |                    |                          | B                            |                            |                           |                   |                       |                      | B                                |             | B               | B      |   |   |   |   |   |
| Kalrez®                  |         |               | A                 | A                | A                 | A                 |                        |                       | A                           | A                 | A                 | A                       | A                        | A                | A                | A                         | A                                 | A                          | A                |                         |       |                              |                             |           |            |        | A                  | A                        | A                            | A                          | A                         | A                 | A                     | A                    | A                                | A           |                 |        |   |   | D |   |   |
| Grafoil®                 | A       |               | A                 |                  |                   |                   |                        |                       | A                           | A                 |                   | A                       | B                        | A                |                  |                           |                                   |                            |                  |                         |       |                              |                             |           |            |        |                    |                          |                              |                            |                           |                   |                       |                      |                                  |             |                 |        |   |   |   |   |   |
| Silicone                 |         | A             | A                 |                  | B                 |                   |                        |                       | B                           | B                 |                   | B                       |                          | A                |                  |                           |                                   |                            |                  |                         |       |                              |                             |           |            |        |                    |                          |                              |                            |                           |                   |                       |                      |                                  |             |                 |        |   |   | D |   | A |
| Fluorosilicone           |         | D             | A                 |                  | A                 |                   |                        |                       | A                           | A                 |                   | A                       |                          |                  |                  |                           |                                   |                            |                  |                         |       |                              |                             |           |            |        |                    |                          |                              |                            |                           |                   |                       |                      |                                  |             |                 |        |   |   |   |   |   |

| Fluid Name               | Ammonia, Alum   | Ammonia, Anhydrous | Ammonia, Anhydrous (-40 ~+ 140 °F) | Ammonia, Anhydrous (-65 ~+ 240 °F) | Ammonia, Anhydrous Liquid | Ammonia, Aqueous | Ammonia Gas Cold | Ammonia Gas hot | Ammonia Liquor  | Ammonia Solutions | Ammonia, gaseous NH <sub>3</sub> and liquid NH <sub>4</sub> OH, max. +100 °C | Ammonium Acetate  | Ammonium Arsenate                                 | Ammonium Benzoate                                | Ammonium Bicarbonate             | Ammonium Bifluoride             | Ammonium Bromide   | Ammonium Bromide 5% | Ammonium Carbamate                              | Ammonium Carbonate   | Ammonium Chloride  | Ammonium Chloride, max. +20 °C | Ammonium Citrate, Dibasic   | Ammonium Dichromate  | Ammonium Fluoride | Ammonium Fluorosilicate                          | Ammonium Formate    | Ammonium Hydroxide | Ammonium Hydroxide 28% | Ammonium Hydroxide Concentrated | Ammonium Iodide   | Ammonium Molybdate                               | Ammonium Monosulfate | Ammonium Monophosphate | Ammonium Nitrate                | Ammonium Oxalate   | Ammonium Oxalate 5%  |   |   |   |
|--------------------------|-----------------|--------------------|------------------------------------|------------------------------------|---------------------------|------------------|------------------|-----------------|-----------------|-------------------|--|---|---|--|----------------------------------|---------------------------------|--------------------|---------------------|---|--|--------------------|--------------------------------|---|--|-------------------|--|---------------------|--------------------|------------------------|---------------------------------|-------------------|--|----------------------|------------------------|---------------------------------|--|--|---|---|---|
| Formula                  | NH <sub>3</sub> | NH <sub>3</sub>    | NH <sub>3</sub>                    | NH <sub>3</sub>                    | NH <sub>3</sub>           | NH <sub>3</sub>  | NH <sub>3</sub>  | NH <sub>3</sub> | NH <sub>3</sub> | NH <sub>3</sub>   | NH <sub>3</sub>  | NH <sub>4</sub> (C <sub>2</sub> H <sub>3</sub> O <sub>2</sub> ) | (NH <sub>4</sub> ) <sub>2</sub> HAsO <sub>4</sub> | C <sub>6</sub> H <sub>5</sub> COONH <sub>4</sub> | NH <sub>4</sub> HCO <sub>3</sub> | NH <sub>4</sub> HF <sub>2</sub> | NH <sub>4</sub> Br | NH <sub>4</sub> Br  | NH <sub>4</sub> CO <sub>2</sub> NH <sub>2</sub> | (NH <sub>4</sub> ) <sub>2</sub> CO <sub>3</sub> : H <sub>2</sub> O | NH <sub>4</sub> Cl | NH <sub>4</sub> Cl             | (NH <sub>4</sub> ) <sub>2</sub> HC <sub>6</sub> H <sub>5</sub> O <sub>7</sub> | (NH <sub>4</sub> ) <sub>2</sub> Cr <sub>2</sub> O <sub>7</sub> | NH <sub>4</sub> F | (NH <sub>4</sub> ) <sub>2</sub> SiF <sub>6</sub> | HCOONH <sub>4</sub> | NH <sub>4</sub> OH | NH <sub>4</sub> OH     | NH <sub>4</sub> OH              | NH <sub>4</sub> I | (NH <sub>4</sub> ) <sub>2</sub> MoO <sub>4</sub> |                      |                        | NH <sub>4</sub> NO <sub>3</sub> | (NH <sub>4</sub> ) <sub>2</sub> C <sub>2</sub> O <sub>4</sub> : H <sub>2</sub> O | (NH <sub>4</sub> ) <sub>2</sub> C <sub>2</sub> O <sub>4</sub> : H <sub>2</sub> O |   |   |   |
| Aluminum                 | C               |                    |                                    |                                    | A                         | B                | A                | C               |                 |                   |  | B   |   |  | B                                |                                 |                    | D                   |   | B  | D                  |                                |   |  |                   |  |                     |                    | B                      | C                               | C                 |  |                      |                        | D                               | B  | B  |   | A |   |
| Brass                    |                 | D                  |                                    |                                    | D                         | D                | D                | D               |                 |                   |  | D   |   |  | B                                |                                 |                    |                     |   |  | B                  | D                              |   |  |                   |  |                     |                    |                        | D                               | D                 | D  |                      |                        |                                 | D  | D  |   |   |   |
| Carbon Steel             |                 | A                  |                                    |                                    | A                         | A                |                  |                 |                 | B                 | A  |   |   |  | C                                |                                 |                    |                     |   |  | B                  | D                              | C   |  |                   |  |                     |                    |                        | B                               | C                 | C  |                      |                        |                                 | D  | D  |   |   |   |
| Alloy 600                |                 | A                  |                                    |                                    |                           |                  |                  |                 |                 |                   |  |   |   |  | D                                |                                 |                    |                     |   |  | B                  | B                              |   |  |                   |  |                     |                    | A                      |                                 |                   |  |                      |                        |                                 |  |  |   |   |   |
| Alloy 400/450(Monel®)    |                 | A                  |                                    |                                    | B                         | B                | B                | B               | B               |                   |  | B   |   |  | B                                |                                 |                    | B                   |   | B  | B                  |                                |   |  |                   |  |                     |                    |                        | D                               | D                 | C  |                      |                        | B                               | B  | D  |   | B |   |
| Alloy 20                 | A               | A                  |                                    |                                    | A                         | A                | A                | A               | A               | A                 |  | A   |   |  | B                                |                                 |                    | B                   |   | B  | B                  |                                |   |  |                   |  |                     |                    |                        | A                               | A                 |  |                      |                        | B                               | B  |  |   | A |   |
| Alloy C 276 (Hastelloy®) | A               | B                  |                                    |                                    | A                         | B                | B                | B               | B               |                   | B  |   |   |  |                                  | B                               |                    |                     |   | B  | B                  |                                |   |  |                   |  |                     |                    | B                      | B                               | B                 |  |                      | B                      | B                               |  |  |   |   |   |
| Titanium                 |                 |                    |                                    |                                    |                           |                  |                  |                 |                 |                   |  |   |   | A  |                                  |                                 |                    |                     |   |  |                    | A                              |   |  |                   |  |                     |                    | A                      |                                 |                   |  |                      |                        |                                 |  | C  |   |   |   |
| Cast Iron                |                 |                    |                                    |                                    | B                         | A                | B                | B               | B               |                   | B  |   |   | B  |                                  |                                 |                    |                     |   | B  | D                  |                                |   |  |                   |  |                     |                    |                        |                                 | C                 | C  |                      |                        |                                 |  | D  |   |   |   |
| 316 Stainless Steel      | A               | A                  |                                    |                                    | A                         | A                | A                | A               | A               |                   | B  |   |   | B  |                                  |                                 |                    | B                   |   | B  | C                  |                                |   |  |                   |  |                     |                    | A                      | B                               | B                 |  |                      | A                      | B                               | A  |  |   | A |   |
| 630 Stainless steel      |                 |                    |                                    |                                    | A                         |                  |                  |                 |                 |                   |  |   |   |  |                                  |                                 |                    |                     |   |  |                    | C                              |   |  |                   |  |                     |                    |                        |                                 | A                 | A  |                      |                        |                                 |  | A  |   |   |   |
| Carpenter 20®            | A               |                    |                                    |                                    | A                         | A                | A                | A               | A               | A                 |  | A   |   |  | B                                |                                 |                    | B                   |   | B  | B                  |                                |   |  |                   |  |                     |                    | A                      | A                               |                   |  |                      | B                      |                                 | B  |  |   | A |   |
| PTFE/PFA (Teflon®)       | A               | A                  |                                    |                                    | A                         | A                | A                | A               | A               | A                 | A  |   |   | A  | A                                |                                 | A                  |                     | A   | A  | A                  |                                |   |  |                   |  |                     |                    | A                      | A                               | A                 |  |                      | A                      | A                               | A  |  |   | A |   |
| Nylon                    | B               | B                  |                                    |                                    | B                         |                  |                  |                 | D               |                   | B  |   |   | B  |                                  |                                 |                    |                     |   |  | C                  | B                              |   |  |                   |  |                     |                    |                        | C                               | A                 | A  |                      |                        | A                               | A  | B  |   |   |   |
| Polyethylen(PE)          |                 | B                  |                                    |                                    |                           |                  |                  |                 |                 |                   |  |   |   | A  |                                  |                                 |                    |                     |   |  | B                  |                                |   |  |                   |  |                     |                    | B                      |                                 |                   |  |                      |                        | A                               | B  |  |   |   |   |
| POM (Delrin®)            |                 | D                  |                                    |                                    | D                         | A                | A                | D               | C               | C                 | D  |   |   | D  |                                  |                                 | D                  |                     | D   | A  | B                  |                                |   |  |                   |  |                     |                    | D                      | C                               | A                 |  |                      | A                      | B                               | A  |  |   | A |   |
| PCTFE (Kel-F®)           |                 |                    |                                    |                                    |                           |                  |                  |                 |                 |                   |  | A   |   |  |                                  |                                 |                    |                     |   |  |                    |                                |   |  |                   |  |                     |                    |                        | A                               |                   |  |                      |                        | A                               |  |  |   |   |   |
| PEEK                     | A               | A                  |                                    |                                    | A                         | A                | A                | A               | A               |                   | A  |   |   | A  |                                  |                                 | A                  |                     | A   | A  |                    |                                |   |  |                   |  |                     |                    | A                      | A                               | A                 |  |                      | A                      | A                               | A  |  |   | A |   |
| PVDF                     |                 |                    |                                    |                                    |                           |                  |                  |                 |                 |                   |  | A   |   | A  |                                  |                                 |                    |                     |   | A  | A                  |                                |   | A  | A                 | A  |                     |                    | D                      |                                 |                   |  | A                    |                        |                                 | A  | A  |   |   |   |
| UHMWPE                   |                 | B                  |                                    |                                    | A                         | A                | C                | A               |                 |                   | A  |   |   | A  | A                                |                                 | A                  |                     | B   | A  |                    |                                |   |  |                   |  |                     |                    | A                      | A                               |                   |  |                      |                        | A                               | A  |  |   |   |   |
| TPE                      |                 | D                  |                                    |                                    |                           |                  |                  |                 |                 |                   |  |   |   |  |                                  |                                 |                    |                     |   |  | A1                 |                                |   |  |                   |  |                     |                    |                        | C                               |                   |  |                      |                        |                                 | B1   |  |   |   |   |
| Poly Acrylate            |                 |                    | D                                  | D                                  |                           | D                |                  |                 |                 |                   |  |   |   |  |                                  |                                 |                    |                     |   |  |                    |                                |   |  |                   |  |                     |                    | D                      |                                 |                   |  |                      |                        |                                 |  | B  |   |   |   |
| Poly Urethane            |                 |                    | D                                  | D                                  |                           | D                |                  |                 |                 |                   |  |   |   |  |                                  |                                 |                    |                     |   |  |                    |                                |   |  |                   |  |                     |                    |                        | D                               |                   |  |                      |                        |                                 |  |  |   |   |   |
| NBR                      | B               | B                  | A                                  | C                                  | B                         | B                | A                | D               | C               | B                 | C  | B   |   |  | B                                |                                 |                    |                     |   |  | D                  | B                              | B   |  |                   |  |                     |                    | D                      | B                               | C                 |  |                      |                        |                                 |  | A  |   |   |   |
| FPM (Viton®)             |                 | D                  | D                                  | D                                  | D                         | A                | D                | D               |                 | D                 |  |   |   | A  | A                                |                                 |                    |                     |   |  | B                  | A                              |   |  |                   |  |                     |                    | B                      | A                               | A                 |  |                      |                        |                                 | A  | A  |   |   |   |
| Neoprene                 | B               | B                  | A                                  | A                                  | A                         | B                | B                | B               | B               |                   | B  |   |   | A  |                                  |                                 |                    |                     |   |  | A                  | A                              |   |  |                   |  |                     |                    | A                      | A                               | A                 |  |                      |                        |                                 | A  | A  |   |   |   |
| EPDM                     |                 |                    | A                                  | A                                  | B                         | A                | A                | B               | A               | B                 | C  | A   |   |  | A                                |                                 |                    |                     |   |  | A                  | A                              | C   |  |                   |  |                     |                    | A                      | B                               | A                 |  |                      |                        |                                 |  | A  |   |   |   |
| Kalrez®                  |                 |                    |                                    |                                    | A                         | A                | A                | A               | A               |                   |  | A   | A   | A  | A                                | A                               |                    |                     |   | A  | A                  | A                              |   |  | A                 | A  | A                   | A                  | A                      | A                               | A                 | A  | A                    | A                      | A                               |  |  | A | A | A |
| Grafoil®                 | A               |                    |                                    |                                    | A                         | A                | A                | A               | A               |                   |  | A   |   |  | A                                |                                 |                    |                     |   |  | A                  | A                              |   |  |                   |  |                     |                    |                        | A                               | A                 |  |                      |                        |                                 |  | B  |   |   |   |
| Silicone                 |                 | B                  | C                                  |                                    | C                         | A                | B                |                 |                 |                   |  |   |   |  |                                  |                                 |                    |                     |   |  |                    |                                |   |  |                   |  |                     |                    | D                      | A                               |                   |  |                      |                        |                                 |  | B  |   |   |   |
| Fluorosilicone           |                 | D                  | D                                  |                                    | D                         | D                | D                |                 |                 |                   |  |   |   |  |                                  |                                 |                    |                     |   |  |                    |                                |   |  |                   |  |                     |                    | D                      | A                               |                   |  |                      |                        |                                 |  |  |   |   |   |



| Fluid Name               | Aniline                                       | Aniline Dyes | Aniline Hydrochloride                               | Aniline Oils | Animal Fats (Lard) | Anisole  | Anisoyl Chloride                                    | Ansul Ether 161 or 181 | Anthracene Oil  | Anthranilic Acid  | Antraquinone  | Antimony Pentachloride | Antimony Pentafuoride | Antimony Salts | Antimony Sulfate                                | Antimony Tribromide | Antimony Trichloride | Antimony Trifluoride | Antimony Trioxide              | AN - VV - 0 - 366B Hydraulic | Apple Juice | Aqua Regia (Strong Acid)      | Arachidic Acid  | Argon Gas | Argon, max. +100 °C | Argon, max. +200 °C | AROCOLOR 1248 | AROCOLOR 1254 | AROCOLOR 1260 | Aromatic Fuels (Up to 50% Aromatic) | Aromatic Hydrocarbons (100% Aromatic) | Aromatic Solvents | Arsenic Acid | Arsenic Pentafuoride                                  | Arsenic Trichloride | Arsenic Trioxide  | Arsenic Trisulfide             |                                |   |  |  |
|--------------------------|---|--------------|---|--------------|--------------------|--|---|------------------------|---|---|---|------------------------|-----------------------|----------------|---|---------------------|----------------------|----------------------|--------------------------------|------------------------------|-------------|-------------------------------|---|-----------|---------------------|---------------------|---------------|---------------|---------------|-------------------------------------|---------------------------------------|-------------------|--------------|---|---------------------|-------------------|--------------------------------|--------------------------------|---|--|--|
| Formula                  | C <sub>6</sub> H <sub>5</sub> NH <sub>2</sub> |              | C <sub>6</sub> H <sub>5</sub> NH <sub>2</sub> · HCl |              |                    | C <sub>6</sub> H <sub>5</sub> OCH <sub>3</sub> | CH <sub>3</sub> OC <sub>6</sub> H <sub>4</sub> COCl |                        | C <sub>6</sub> H <sub>4</sub> (CH) <sub>2</sub> C <sub>6</sub> H <sub>4</sub> | C <sub>6</sub> H <sub>4</sub> (NH <sub>2</sub> )(CO <sub>2</sub> H) | C <sub>6</sub> H <sub>4</sub> (CO) <sub>2</sub> C <sub>6</sub> H <sub>4</sub> | SbCl <sub>5</sub>      | SbF <sub>5</sub>      |                | Sb <sub>2</sub> (SO <sub>4</sub> ) <sub>3</sub> | SbBr <sub>3</sub>   | SbCl <sub>3</sub>    | SbF <sub>3</sub>     | Sb <sub>2</sub> O <sub>3</sub> |                              |             | HNO <sub>3</sub> : HCl(1 : 3) | CH <sub>3</sub> (CH <sub>2</sub> ) <sub>18</sub> COOH | Ar        |                     |                     |               |               |               |                                     |                                       |                   |              | H <sub>3</sub> AsO <sub>4</sub> : 1/2H <sub>2</sub> O | AsF <sub>5</sub>    | AsCl <sub>3</sub> | As <sub>2</sub> O <sub>3</sub> | As <sub>2</sub> S <sub>3</sub> |   |  |  |
| Aluminum                 | C   | C            |   |              |                    |  |   |                        |   |   |   |                        |                       |                |   |                     |                      |                      |                                |                              | B           | D                             |   |           |                     |                     |               |               |               |                                     |                                       |                   |              | A   | D                   |                   |                                |                                |   |  |  |
| Brass                    | D   | C            |   |              |                    |  |   |                        |   |   |   |                        |                       |                |   |                     |                      |                      |                                |                              |             | C                             | D   |           |                     |                     |               |               |               |                                     |                                       |                   |              |   | A                   | D                 |                                |                                |   |  |  |
| Carbon Steel             | C   | C            |   |              |                    |  |   | A                      |   |   |   |                        |                       |                |   |                     |                      |                      |                                |                              |             | D                             | D   |           | A                   | A                   |               |               |               |                                     |                                       |                   |              |   | C                   | D                 |                                |                                |   |  |  |
| Alloy 600                | B   |              |   |              |                    |  |   |                        |   |   |   |                        |                       |                |   |                     |                      |                      |                                |                              |             |                               |   |           |                     |                     |               |               |               |                                     |                                       |                   |              |   |                     | A                 |                                |                                |   |  |  |
| Alloy 400/450(Monel®)    | B   | A            |   |              |                    |  |   |                        |   |   |   |                        |                       |                |   |                     |                      |                      |                                |                              |             | A                             |   |           |                     |                     |               |               |               |                                     |                                       |                   |              |   | B                   | D                 |                                |                                |   |  |  |
| Alloy 20                 | A   | A            |   |              |                    |  |   |                        |   |   |   |                        |                       |                |   |                     |                      |                      |                                |                              |             | A                             | B   |           |                     |                     |               |               |               |                                     |                                       |                   |              |   | A                   | B                 |                                |                                |   |  |  |
| Alloy C 276 (Hastelloy®) | B   |              | D   |              |                    |  |   |                        |   |   |   |                        |                       |                |   |                     |                      |                      |                                |                              |             |                               | C   |           |                     |                     |               | A             |               |                                     |                                       |                   |              |   | B                   |                   |                                |                                |   |  |  |
| Titanium                 | A   |              |   |              |                    |  |   |                        |   |   |   |                        |                       |                |   |                     |                      |                      |                                |                              |             |                               |   |           |                     |                     |               |               |               |                                     |                                       |                   |              |   |                     |                   |                                |                                |   |  |  |
| Cast Iron                | C   | C            |   |              |                    |  |   |                        |   |   |   |                        |                       |                |   |                     |                      |                      |                                |                              |             | D                             | D   |           |                     |                     |               |               |               |                                     |                                       |                   |              |   | B                   | D                 |                                |                                |   |  |  |
| 316 Stainless Steel      | B   | A            |   |              |                    |  |   |                        |   |   |   |                        |                       |                |   |                     |                      |                      |                                |                              |             | B                             | B   |           |                     |                     |               |               |               |                                     |                                       |                   |              |   | A                   | B                 |                                |                                |   |  |  |
| 630 Stainless steel      |   |              |   |              |                    |  |   |                        |   |   |   |                        |                       |                |   |                     |                      |                      |                                |                              |             |                               |   |           |                     |                     |               |               |               |                                     |                                       |                   |              |   |                     |                   |                                |                                |   |  |  |
| Carpenter 20®            | A   | A            |   |              |                    |  |   |                        |   |   |   |                        |                       |                |   |                     |                      |                      |                                |                              |             | A                             | B   |           |                     |                     |               |               |               |                                     |                                       |                   |              |   | A                   | B                 |                                |                                |   |  |  |
| PTFE/PFA (Teflon®)       | A   | A            | A   | B            | A                  |  | A   | A                      |   |   |   |                        |                       |                |   | A                   |                      |                      |                                |                              | A           | A                             | C   | A         | A                   | A                   | A             | A             | A             | A                                   | B                                     |                   |              | A   |                     | D                 |                                |                                |   |  |  |
| Nylon                    |   |              |   |              |                    |  |   |                        |   |   |   |                        |                       |                |   |                     |                      |                      |                                |                              |             |                               |   |           |                     |                     |               |               |               |                                     |                                       |                   |              |   | B                   |                   |                                |                                |   |  |  |
| Polyethylen(PE)          |   |              |   |              |                    |  |   |                        |   |   |   |                        |                       |                |   |                     |                      |                      |                                |                              |             |                               |   |           |                     |                     |               |               |               |                                     |                                       |                   |              |   |                     |                   |                                |                                |   |  |  |
| POM (Delrin®)            | A   |              |   |              |                    |  |   | C                      |   |   |   |                        |                       |                |   |                     |                      |                      |                                |                              |             | A                             |   |           | A                   | C                   |               |               |               |                                     |                                       |                   |              | A   |                     |                   |                                |                                |   |  |  |
| PCTFE (Kel-F®)           |   |              |   |              |                    |  |   |                        |   |   |   |                        |                       |                |   |                     |                      |                      |                                |                              |             |                               |   |           |                     |                     |               |               |               |                                     |                                       |                   |              |   |                     |                   |                                |                                |   |  |  |
| PEEK                     | A   |              |   |              |                    |  |   |                        |   |   |   |                        |                       |                |   |                     |                      |                      |                                |                              |             |                               |   |           |                     |                     |               |               |               |                                     |                                       |                   |              |   |                     |                   |                                |                                |   |  |  |
| PVDF                     |   |              |   |              |                    |  |   |                        |   |   |   |                        |                       |                |   |                     |                      |                      |                                |                              |             | A                             | C   | A         |                     |                     |               |               |               |                                     |                                       |                   |              |   |                     | A                 |                                |                                |   |  |  |
| UHMWPE                   | C   |              | D   |              |                    |  |   |                        |   |   |   |                        |                       |                |   | B                   |                      |                      |                                |                              |             |                               | B   |           |                     |                     |               | C             |               |                                     |                                       |                   |              | C   | B                   |                   |                                |                                |   |  |  |
| TPE                      | D   |              |   |              |                    |  |   |                        |   |   |   |                        |                       |                |   |                     |                      |                      |                                |                              |             |                               |   |           |                     |                     |               |               | C1            |                                     |                                       |                   |              |   |                     |                   |                                |                                |   |  |  |
| Poly Acrylate            | D   | D            | D   |              |                    |  |   |                        |   |   |   |                        | D                     |                |   |                     |                      |                      |                                |                              |             |                               | B   |           |                     | D                   |               |               |               | B                                   | D                                     |                   |              |   |                     |                   |                                |                                |   |  |  |
| Poly Urethane            | D   | D            | D   |              |                    |  |   |                        |   |   |   |                        | D                     |                |   |                     |                      |                      |                                |                              |             |                               | A   |           |                     |                     |               |               |               |                                     |                                       |                   |              |   |                     |                   |                                |                                |   |  |  |
| NBR                      | D   | D            | D   | D            | A                  |  | C   | C                      |   |   |   | A                      |                       |                | B   |                     |                      |                      | A                              | A                            | A           | D                             | A   | A         | C                   | C                   | D             | A             | B             | D                                   | D                                     | D                 | A            |   |                     |                   |                                |                                |   |  |  |
| FPM (Viton®)             | C   | B            | B   | C            | A                  |  | D   |                        |   |   |   | A                      |                       |                | A   |                     |                      |                      | A                              | A                            | A           | D                             | A   |           |                     | A                   | A             | A             | A             | A                                   | A                                     | A                 | A            |   |                     |                   |                                |                                |   |  |  |
| Neoprene                 | D   | B            | D   |              |                    |  |   |                        |   |   |   | A                      |                       |                |   |                     |                      |                      |                                |                              |             | A                             | D   | A         |                     |                     | D             |               | D             | D                                   | D                                     | D                 | A            |   |                     |                   |                                |                                |   |  |  |
| EPDM                     | B   | B            | C   | B            | B                  |  | C   | C                      |   |   |   | A                      |                       |                |   |                     |                      |                      | A                              | D                            | B           | D                             | A   |           |                     | C                   | B             | B             | D             | D                                   | D                                     | D                 | A            |   |                     |                   |                                |                                |   |  |  |
| Kalrez®                  | A   | A            | A   | A            | A                  | A  | A   | A                      | A   | A   | A   | B                      |                       | A              | A   | A                   | B                    | A                    | A                              |                              | A           | A                             | A   |           |                     | A                   | A             | A             | A             | A                                   | A                                     | A                 | A            | A   | A                   | B                 | A                              | A                              | A |  |  |
| Grafoil®                 | A   | A            |   |              |                    |  |   |                        |   |   |   |                        |                       |                |   |                     |                      |                      |                                |                              |             | A                             | D   |           |                     |                     |               |               |               |                                     |                                       |                   |              |   |                     |                   |                                |                                |   |  |  |
| Silicone                 | D   | C            | D   | D            | B                  |  | D   |                        |   |   |   | A                      |                       |                |   |                     |                      |                      |                                |                              | D           | D                             | D   |           |                     | C                   | C             | A             | D             | D                                   |                                       |                   |              |   |                     |                   |                                |                                |   |  |  |
| Fluorosilicone           | C   | B            | B   | C            | A                  |  | C   |                        |   |   |   | A                      |                       |                |   |                     |                      |                      |                                |                              | A           |                               | C   |           |                     |                     | B             | A             | A             | B                                   | A                                     |                   |              |   |                     |                   |                                |                                |   |  |  |

| Fluid Name               | Arsine           | Ascorbic Acid                                | Askarel Transformer Oil | Aspartic Acid                                | Asphalt | Aspirin   | Asphalt Emulsion | Asphalt Liquid | Asphaltic Bitumen, +220 °C | ASTM Oil No. 1 | ASTM Oil No. 2 | ASTM Oil No. 3 | ASTM Oil No. 4 | ASTM Oil No. 5 | ASTM Reference Fuel A  | ASTM Reference Fuel B  | ASTM Reference Fuel C  | ASTM Reference Fuel D | AUREX 903R | Automotive Transmission Fluid | ATE brake fluid | AXAREL 9100 | Automotive Gasoline | Aviation Gasoline | Azobenzene |   |  |  |
|--------------------------|------------------|--|-------------------------|--|---------|---|------------------|----------------|----------------------------|----------------|----------------|----------------|----------------|----------------|--|--|--|-----------------------|------------|-------------------------------|-----------------|-------------|---------------------|-------------------|------------|---|--|--|
| Formula                  | AsH <sub>3</sub> | C <sub>6</sub> H <sub>8</sub> O <sub>6</sub> |                         | COOHCH <sub>2</sub> CH(NH <sub>2</sub> )COOH |         | CH <sub>3</sub> COOC <sub>6</sub> H <sub>4</sub> COOH |                  |                |                            |                |                |                |                |                | (CH <sub>3</sub> ) <sub>3</sub> CHCH <sub>2</sub> C(CH <sub>3</sub> ) <sub>2</sub> | (CH <sub>3</sub> ) <sub>3</sub> CHCH <sub>2</sub> C(CH <sub>3</sub> ) <sub>2</sub> : C <sub>6</sub> H <sub>5</sub> CH <sub>3</sub> (7:3) | (CH <sub>3</sub> ) <sub>3</sub> CHCH <sub>2</sub> C(CH <sub>3</sub> ) <sub>2</sub> : C <sub>6</sub> H <sub>5</sub> CH <sub>3</sub> (1:1) |                       |            |                               |                 |             |                     |                   |            |   |  | C <sub>6</sub> H <sub>5</sub> N <sub>2</sub> C <sub>6</sub> H <sub>5</sub> |
| Aluminum                 |                  |  |                         | A  | C       | C   |                  |                |                            |                |                |                |                |                |  |  |  |                       |            |                               |                 |             |                     | A                 |            |   |  |  |
| Brass                    |                  |  |                         | B  | A       | A   |                  |                |                            |                |                |                |                |                |  |  |  |                       |            |                               |                 |             |                     |                   | A          |   |  |  |
| Carbon Steel             |                  |  |                         | A  | B       | B   | A                |                |                            |                |                |                |                |                |  |  |  |                       |            |                               | A               |             |                     |                   | A          |   |  |  |
| Alloy 600                |                  |  |                         |  |         |   |                  |                |                            |                |                |                |                |                |  |  |  |                       |            |                               |                 |             |                     |                   |            |   |  |  |
| Alloy 400/450(Monel®)    |                  |  |                         | A  | A       | A   |                  |                |                            |                |                |                |                |                |  |  |  |                       |            |                               |                 |             |                     |                   |            |   |  |  |
| Alloy 20                 |                  |  |                         |  | A       | A   |                  |                |                            |                |                |                |                |                |  |  |  |                       |            |                               |                 |             |                     |                   |            |   |  |  |
| Alloy C 276 (Hastelloy®) |                  |  |                         |  | A       | A   |                  |                |                            |                |                |                |                |                |  |  |  |                       |            |                               |                 |             |                     |                   |            |   |  |  |
| Titanium                 |                  |  |                         |  |         |   |                  |                |                            |                |                |                |                |                |  |  |  |                       |            |                               |                 |             |                     |                   |            |   |  |  |
| Cast Iron                |                  |  |                         |  | B       | B   |                  |                |                            |                |                |                |                |                |  |  |  |                       |            |                               |                 |             |                     |                   |            |   |  |  |
| 316 Stainless Steel      |                  |  |                         | A  | A       | A   |                  |                |                            |                |                |                |                |                |  |  |  |                       |            |                               |                 |             |                     |                   | A          |   |  |  |
| 630 Stainless steel      |                  |  |                         |  |         |   |                  |                |                            |                |                |                |                |                |  |  |  |                       |            |                               |                 |             |                     |                   |            |   |  |  |
| Carpenter 20®            |                  |  |                         |  | A       | A   |                  |                |                            |                |                |                |                |                |  |  |  |                       |            |                               |                 |             |                     |                   |            |   |  |  |
| PTFE/PFA (Teflon®)       |                  | A  | A                       | A  |         |   |                  | A              | A                          | B              | C              | B              | A              | C              | D  | D  | D  | A                     | A          | A                             |                 |             |                     |                   | A          |   |  |  |
| Nylon                    |                  |  |                         | A  |         |   |                  |                |                            |                |                |                |                |                |  |  |  |                       |            |                               |                 |             |                     |                   |            |   |  |  |
| Polyethylen(PE)          |                  |  |                         |  |         |   |                  |                |                            |                |                |                |                |                |  |  |  |                       |            |                               |                 |             |                     |                   |            |   |  |  |
| POM (Delrin®)            |                  |  |                         | A  |         |   |                  | C              |                            |                |                |                |                |                |  |  |  |                       |            |                               |                 | A           |                     |                   | C          |   |  |  |
| PCTFE (Kel-F®)           |                  |  |                         |  |         |   |                  |                |                            |                |                |                |                |                |  |  |  |                       |            |                               |                 |             |                     |                   |            |   |  |  |
| PEEK                     |                  |  |                         |  |         |   |                  |                |                            |                |                |                |                |                |  |  |  |                       |            |                               |                 |             |                     |                   |            |   |  |  |
| PVDF                     |                  |  |                         |  |         |   |                  |                |                            |                |                |                |                |                |  |  |  |                       |            |                               |                 |             |                     |                   |            |   |  |  |
| UHMWPE                   |                  |  |                         | A  |         |   |                  |                |                            |                |                |                |                |                |  |  |  |                       |            |                               |                 |             |                     |                   |            |   |  |  |
| TPE                      |                  |  |                         | B1   |         |   |                  |                |                            |                |                |                |                |                |  |  |  |                       |            |                               |                 |             |                     |                   |            |   |  |  |
| Poly Acrylate            |                  |  |                         |  | B       |   |                  |                |                            |                |                |                |                |                |  |  |  |                       |            |                               | A               |             |                     |                   | B          |   |  |  |
| Poly Urethane            |                  |  |                         |  | B       |   |                  |                |                            |                |                |                |                |                |  |  |  |                       |            |                               |                 |             |                     |                   | B          |   |  |  |
| NBR                      |                  | B  | B                       | B  | D       | C   | C                | A              | A                          | A              | B              | A              | A              | A              | A  | B  | B  | A                     | A          | A                             | C               |             |                     | A                 | D          |   |  |  |
| FPM (Viton®)             |                  | A  | A                       | A  | A       | A   | A                | A              | A                          | A              | A              | A              | A              | A              | A  | B  | A  | A                     | A          | A                             | D               |             |                     | A                 | A          |   |  |  |
| Neoprene                 |                  |  |                         | C  | C       | C   |                  |                |                            |                |                |                |                |                |  |  |  |                       |            |                               |                 |             |                     |                   | D          |   |  |  |
| EPDM                     |                  | D  | D                       | D  | D       | C   | D                | D              | D                          | D              | D              | D              | D              | D              | D  | D  | D  | D                     | D          | D                             | A               |             |                     | D                 | D          |   |  |  |
| Kalrez®                  | A                | A  | A                       | A  | A       | A   |                  | A              | A                          | A              | A              | A              | A              | A              | A  | A  | A  | A                     | A          | A                             | A               | A           | A                   |                   |            | A |  |  |
| Grafoil®                 |                  |  |                         |  | A       | A   |                  |                |                            |                |                |                |                |                |  |  |  |                       |            |                               |                 |             |                     |                   |            |   |  |  |
| Silicone                 |                  | D  | D                       | D  |         |   |                  | A              | D                          | C              | D              |                |                |                | D  | D  | D  |                       | D          | D                             | C               |             |                     | D                 |            |   |  |  |
| Fluorosilicone           |                  | B  | B                       | B  |         |   |                  | A              | A                          | A              | B              |                |                |                | A  | A  | B  |                       | D          |                               | D               |             |                     | A                 |            |   |  |  |

# [ Fluid Compatibility Guide - B ]

B

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| Fluid Name               | BAROOL B | Barium Carbonate  | Barium Chlorate                          | Barium Chloride                       | Barium Cyanide      | Barium Hydrate | Barium Hydroxide                        | Barium Iodide                        | Barium Nitrate                    | Barium Oxide | Barium Peroxide         | Barium Salts | Barium Sulfate    | Barium Sulfide | BAYOL 35 | BAYOL D | Beer | Beer, wort | Beet Juice - Pulp | Beet Sugar Liquors | Benzaldehyde                      | Benzamide                                       | Benzanthrone                      | Benzene                       | Benzene Hexachloride (BHC) | Benzene Sulfonic Acid                           | Benzidine   | Benzil   | Benzilic Acid   | Benzine (Gasoline)                 | Benzoic Acid  | Benzoin                          | Benzonitrile                                     | Benzophenone                                   | Benzotrithloride                             | Benzotrifluoride                   | Benzoyl Chloride |   |   |
|--------------------------|----------|-------------------|--|---------------------------------------|---------------------|----------------|---|--------------------------------------|-----------------------------------|--------------|-------------------------|--------------|-------------------|----------------|----------|---------|------|------------|-------------------|--------------------|-----------------------------------|---|-----------------------------------|-------------------------------|----------------------------|---|---|--|---|------------------------------------|---|----------------------------------|--|--|--|------------------------------------|------------------|---|---|
| Formula                  |          | BaCO <sub>3</sub> | Ba(ClO <sub>3</sub> ) <sub>2</sub> : HOH | BaCl <sub>2</sub> : 2H <sub>2</sub> O | Ba(CN) <sub>2</sub> |                | Ba(OH) <sub>2</sub> : 8H <sub>2</sub> O | BaI <sub>2</sub> : 2H <sub>2</sub> O | Ba(NO <sub>3</sub> ) <sub>2</sub> | BaO          | BaO <sub>2</sub> : 8HOH |              | BaSO <sub>4</sub> | BaS            |          |         |      |            |                   |                    | C <sub>6</sub> H <sub>5</sub> CHO | C <sub>6</sub> H <sub>5</sub> CONH <sub>2</sub> | C <sub>17</sub> H <sub>10</sub> O | C <sub>6</sub> H <sub>6</sub> |                            | C <sub>6</sub> H <sub>5</sub> SO <sub>3</sub> H | NH <sub>2</sub> (C <sub>6</sub> H <sub>4</sub> ) <sub>2</sub> NH <sub>2</sub> | C <sub>6</sub> H <sub>5</sub> CO : COC <sub>6</sub> H <sub>5</sub> | (C <sub>6</sub> H <sub>5</sub> ) <sub>2</sub> C(OH)COOH | C <sub>6</sub> H <sub>5</sub> COOH | C <sub>6</sub> H <sub>5</sub> CHOHCOC <sub>6</sub> H <sub>5</sub> | C <sub>6</sub> H <sub>5</sub> CN | (C <sub>6</sub> H <sub>5</sub> ) <sub>2</sub> CO | C <sub>6</sub> H <sub>5</sub> CCl <sub>3</sub> | C <sub>6</sub> H <sub>5</sub> F <sub>3</sub> | C <sub>6</sub> H <sub>5</sub> COCl |                  |   |   |
| Aluminum                 | D        | D                 | D  | D                                     | D                   | B              |   |                                      | D                                 | D            |                         | A            |                   |                |          |         |      |            |                   | A                  | A                                 |   | B                                 |                               |                            |   |   |  |   |                                    |   |                                  |  |  |  |                                    |                  |   |   |
| Brass                    | B        | B                 | C  | D                                     | D                   | D              |   |                                      | C                                 | D            |                         | B            |                   |                |          |         |      |            |                   | C                  | A                                 |   | B                                 |                               |                            |   |   |  |   |                                    |   |                                  |  |  |  |                                    |                  |   |   |
| Carbon Steel             | B        | C                 |  |                                       | C                   | B              |   |                                      | C                                 | C            |                         | D            |                   |                |          |         |      |            |                   | B                  | A                                 |   | B                                 |                               |                            |   |   |  |   |                                    |   |                                  |  |  |  |                                    |                  |   |   |
| Alloy 600                |          | A                 |  |                                       | B                   | B              |   |                                      | B                                 |              |                         |              |                   |                |          |         |      |            |                   |                    |                                   |   | A                                 |                               |                            |   |   |  |   |                                    |   |                                  |  |  |  |                                    |                  |   |   |
| Alloy 400/450(Monel®)    | B        | B                 | D  | B                                     | B                   | C              |   |                                      | B                                 | C            |                         | A            |                   |                |          |         |      |            |                   | A                  | B                                 |   | A                                 |                               |                            |   |   |  |   |                                    |   |                                  |  |  |  |                                    |                  |   |   |
| Alloy 20                 | B        | C                 | B  | A                                     | A                   | B              |   |                                      | A                                 | B            |                         |              |                   |                |          |         |      |            |                   | A                  | A                                 |   | A                                 |                               |                            |   |   |  |   |                                    |   |                                  |  |  |  |                                    |                  |   |   |
| Alloy C 276 (Hastelloy®) | B        | B                 | A  |                                       | B                   |                |   |                                      |                                   |              |                         |              |                   |                |          |         |      |            |                   |                    | B                                 |   | B                                 |                               |                            |   | B   |  |   |                                    |   |                                  |  |  |  |                                    |                  |   |   |
| Titanium                 | A        | B                 |  |                                       | A                   |                |   |                                      |                                   |              |                         |              | A                 |                |          |         |      |            |                   |                    |                                   |   | A                                 |                               |                            |   |   |  |   |                                    |   |                                  |  |  |  |                                    |                  |   |   |
| Cast Iron                | B        | C                 | C  |                                       | B                   |                |   |                                      | C                                 | D            |                         |              |                   |                |          |         |      |            |                   | D                  |                                   | B   | C                                 |                               | B                          |   |   |  |   |                                    |   |                                  |  |  |  |                                    |                  |   |   |
| 316 Stainless Steel      | B        | B                 | B  | A                                     | B                   | A              |   |                                      | A                                 | B            |                         |              |                   |                |          |         |      |            |                   | A                  | A                                 |   | B                                 |                               |                            |   |   |  |   |                                    |   |                                  |  |  |  |                                    |                  |   |   |
| 630 Stainless steel      |          |                   | B  |                                       | A                   |                |   |                                      |                                   |              |                         |              |                   |                |          |         |      |            |                   | A                  |                                   |   |                                   | B                             |                            |   |   |  |   |                                    |   |                                  |  |  |  |                                    |                  |   |   |
| Carpenter 20®            | B        | C                 | B  | A                                     | A                   | A              |   |                                      | A                                 | B            |                         |              |                   |                |          |         |      |            |                   | A                  | A                                 |   | A                                 |                               |                            |   |   |  |   |                                    |   |                                  |  |  |  |                                    |                  |   |   |
| PTFE/PFA (Teflon®)       | B        | A                 | A  | A                                     | A                   | A              |   |                                      | A                                 | A            | A                       | A            | A                 | A              | A        | A       | A    | A          | A                 | A                  | A                                 | A   | A                                 | A                             | A                          | A   | A   | A  | A   | A                                  | A   | A                                | A  | A  | A  | A                                  | A                | A | A |
| Nylon                    |          | C                 |  |                                       | B                   | B              |   |                                      |                                   |              |                         |              | B                 |                |          |         |      |            |                   | B                  | A                                 |   | A                                 |                               |                            |   |   |  |   |                                    |   |                                  |  |  |  |                                    |                  |   |   |
| Polyethylen(PE)          | A        | B                 |  |                                       | B                   | B              |   |                                      |                                   |              |                         |              | B                 | B              |          |         |      |            |                   |                    |                                   |   |                                   |                               |                            |   |   |  |   |                                    |   |                                  |  |  |  |                                    |                  |   |   |
| POM (Delrin®)            | A        | A                 | A  | A                                     | A                   | A              |   |                                      |                                   |              |                         | A            |                   |                |          |         |      |            |                   |                    |                                   |   |                                   |                               |                            |   |   |  |   |                                    |   |                                  |  |  |  |                                    |                  |   |   |
| PCTFE (Kel-F®)           |          |                   |  |                                       |                     |                |   |                                      |                                   |              |                         |              |                   |                |          |         |      |            |                   |                    |                                   | A   |                                   |                               |                            |   |   |  |   |                                    |   |                                  |  |  |  |                                    |                  |   |   |
| PEEK                     | A        | A                 | A  | A                                     | A                   | A              |   |                                      |                                   |              |                         |              | A                 | A              |          |         |      |            |                   |                    |                                   |   |                                   |                               |                            |   |   |  |   |                                    |   |                                  |  |  |  |                                    |                  |   |   |
| PVDF                     | A        | A                 | B  |                                       | D                   | A              |   |                                      |                                   |              |                         | A            |                   |                |          |         |      |            |                   |                    |                                   |   |                                   |                               |                            |   |   |  |   |                                    |   |                                  |  |  |  |                                    |                  |   |   |
| UHMWPE                   | B        | A                 | B  |                                       | B                   | B              |   |                                      |                                   |              |                         |              | B                 | B              |          |         |      |            |                   |                    |                                   |   |                                   |                               |                            |   |   |  |   |                                    |   |                                  |  |  |  |                                    |                  |   |   |
| TPE                      |          |                   | B <sup>1</sup>                           |                                       | B <sup>1</sup>      |                |   |                                      |                                   |              |                         |              | D                 |                |          |         |      |            |                   |                    |                                   |   |                                   |                               |                            |   |   |  |   |                                    |   |                                  |  |  |  |                                    |                  |   |   |
| Poly Acrylate            |          |                   | D  |                                       | D                   | D              |   |                                      |                                   |              |                         |              |                   |                |          |         |      |            |                   |                    |                                   |   |                                   |                               |                            |   |   |  |   |                                    |   |                                  |  |  |  |                                    |                  |   |   |
| Poly Urethane            |          |                   | A  |                                       | D                   | A              |   |                                      |                                   |              |                         |              |                   |                |          |         |      |            |                   |                    |                                   |   |                                   |                               |                            |   |   |  |   |                                    |   |                                  |  |  |  |                                    |                  |   |   |
| NBR                      | D        | B                 | A  | C                                     | A                   | A              |   |                                      |                                   |              |                         | A            | A                 | A              | A        | A       | A    | A          | A                 | A                  | A                                 | A   | A                                 | D                             | D                          | D   | D   | D  | D   | D                                  | D   | D                                | D  | D  | D  | D                                  | D                | D |   |
| FPM (Viton®)             | A        | A                 | A  | B                                     | A                   | A              |   |                                      |                                   |              |                         | A            | A                 | A              | A        | A       | A    | A          | A                 | A                  | A                                 | A   | A                                 | D                             | B                          |   | A   |  |   |                                    |   |                                  |  |  |  |                                    |                  |   |   |
| Neoprene                 | A        | A                 | B  |                                       | A                   | B              |   |                                      |                                   |              |                         |              | A                 | A              |          |         |      |            |                   |                    |                                   |   |                                   |                               |                            |   |   |  |   |                                    |   |                                  |  |  |  |                                    |                  |   |   |
| EPDM                     | D        | A                 | A  | A                                     | B                   | A              |   |                                      |                                   |              |                         | A            | B                 | A              | D        | D       | A    | A          | A                 | A                  | A                                 | A   |                                   | D                             |                            | D   |   |  |   |                                    |   |                                  |  |  |  |                                    |                  |   |   |
| Kalrez®                  | A        | A                 | A  | A                                     | A                   | A              | A                                       | A                                    | A                                 | A            | A                       | A            | A                 | A              | A        | A       | A    | A          | A                 | A                  | A                                 | A   | A                                 | A                             | A                          | A   | A   | A  | A   | A                                  | A   | A                                | A  | A  | A  | A                                  | A                | A | A |
| Grafoil®                 |          | A                 | A  | A                                     | A                   | B              |   |                                      |                                   |              |                         |              | A                 | A              |          |         |      |            |                   |                    |                                   |   |                                   |                               |                            |   |   |  |   |                                    |   |                                  |  |  |  |                                    |                  |   |   |
| Silicone                 | D        |                   | A  |                                       | A                   |                |   |                                      |                                   |              |                         | A            | A                 | A              | D        | D       | A    | A          | A                 | A                  | A                                 | D   |                                   | D                             |                            | D   |   |  |   |                                    |   |                                  |  |  |  |                                    |                  |   |   |
| Fluorosilicone           | B        |                   | A  |                                       | A                   | A              |   |                                      |                                   |              |                         | A            | A                 | A              | A        | A       | A    | A          | A                 | A                  | D                                 |   | A                                 |                               | B                          |   |   |  |   |                                    |   |                                  |  |  |  |                                    |                  |   |   |



| Fluid Name               | Formula                |                             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|--------------------------|------------------------|-----------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|                          | $(C_6H_5CO_2)_2O_2$    |                             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|                          | Benzoyl Peroxide       |                             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|                          | Benzol                 |                             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|                          | Benzyl Acetate         | $C_6H_5CH_2OOCCH_3$         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|                          | Benzyl Alcohol         | $C_6H_5CH_2OH$              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|                          | Benzylamine            | $C_6H_5CH_2NH_2$            |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|                          | Benzyl Benzoate        | $C_6H_5CH_2OOC C_6H_5$      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|                          | Benzyl Bromide         | $C_6H_5CH_2Br$              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|                          | Benzyl Chloride        | $C_6H_5CH_2Cl$              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|                          | p - Benzylphenol       | $C_6H_5CH_2C_6H_4OH$        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|                          | Benzyl Salicylate      | $CH_4(6H_4OH)COOCH_2C_6H_5$ |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|                          | Beryllium Chloride     | $BeCl_2$                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|                          | Beryllium Fluoride     | $BeF_2$                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|                          | Beryllium Oxide        | $BeO$                       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|                          | Beryllium Sulfate      | $BeSO_4 \cdot 4H_2O$        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|                          | Bichloride of Mercurys |                             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|                          | Bismuth Nitrate        | $Bi(NO_3)_3 \cdot 5H_2O$    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|                          | Bismuth Oxchloride     | $BiOCl$                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|                          | Bismuth Subcarbonate   | $(BiO)_2CO_3$               |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|                          | Bittern                |                             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|                          | Bitumen, max. +220 °C  |                             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|                          | Black Sulfate Liquor   |                             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|                          | Black Point 77         |                             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|                          | Blast Furnace Gas      |                             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|                          | Bleach Liquor          | $Ca(OCl)_2 \cdot H_2O$      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|                          | Bleaching Powder wet   |                             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|                          | Blood (Meat Juices)    |                             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|                          | Boiler Feed Water      |                             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|                          | Bone Oil               |                             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|                          | Borane                 | $BH_3$                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|                          | Borax (Sodium Borate)  | $Na_2B_4O_7 \cdot 10H_2O$   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|                          | Blk. Sulfate Liquor    |                             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|                          | Bordeaux Mixture       |                             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|                          | Borax Liquors          |                             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|                          | Boric Acid             | $H_3BO_3$                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|                          | Boric Oxide            | $B_2O_3$                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|                          | Borneol                | $C_{10}H_{17}OH$            |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|                          | Bornyl Acetate         | $C_{10}H_{17}OOCCH_3$       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Aluminum                 |                        |                             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Brass                    |                        |                             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Carbon Steel             |                        |                             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Alloy 600                |                        |                             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Alloy 400/450(Monel®)    |                        |                             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Alloy 20                 |                        |                             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Alloy C 276 (Hastelloy®) | B                      |                             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Titanium                 |                        |                             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Cast Iron                |                        |                             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 316 Stainless Steel      |                        |                             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 630 Stainless steel      |                        |                             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Carpenter 20®            |                        |                             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| PTFE/PFA (Teflon®)       | A                      | B                           | C | B |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Nylon                    |                        |                             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Polyethylen(PE)          |                        |                             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| POM (Delrin®)            |                        |                             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| PCTFE (Kel-F®)           |                        |                             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| PEEK                     |                        |                             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| PVDF                     | C                      |                             | C | C |   |   |   |   |   |   |   |   |   |   |   |   |   |
| UHMWPE                   | C                      |                             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| TPE                      | C                      |                             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Poly Acrylate            |                        |                             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Poly Urethane            |                        |                             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| NBR                      | D                      | D                           | D | D | D |   |   |   |   |   |   |   |   |   |   |   |   |
| FPM (Viton®)             | A                      | A                           | A | A | A |   |   |   |   |   |   |   |   |   |   |   |   |
| Neoprene                 |                        |                             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| EPDM                     |                        | B                           | B | D |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Kalrez®                  | A                      | A                           | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A |
| Grafoil®                 |                        |                             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Silicone                 |                        | B                           |   | D |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Fluorosilicone           |                        | B                           | A | A |   |   |   |   |   |   |   |   |   |   |   |   |   |

| Fluid Name                             | Formula                              | Aluminum | Brass | Carbon Steel | Alloy 600 | Alloy 400/450(Monel®) | Alloy 20 | Alloy C 276 (Hastelloy®) | Titanium | Cast Iron | 316 Stainless Steel | 630 Stainless steel | Carpenter 20® | PTFE/PFA (Teflon®) | Nylon | Polyethylen(PE) | POM (Delrin®) | PCTFE (Kel-F®) | PEEK | PVDF | UHMWPE | TPE | Poly Acrylate | Poly Urethane | NBR | FPM (Viton®) | Neoprene | EPDM | Kalrez® | Grafoil® | Silicone | Fluorosilicone |  |  |  |  |
|--|--------------------------------------|----------|-------|--------------|-----------|-----------------------|----------|--------------------------|----------|-----------|---------------------|---------------------|---------------|--------------------|-------|-----------------|---------------|----------------|------|------|--------|-----|---------------|---------------|-----|--------------|----------|------|---------|----------|----------|----------------|--|--|--|--|
| Bornyl Formate                         | C <sub>10</sub> H <sub>17</sub> OOCH |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |  |
| Boron Fluids (HEF)                     |                                      |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |  |
| Boron Phosphate                        | BPO <sub>4</sub>                     |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |  |
| Boron Tribromide                       | BBr <sub>3</sub>                     |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |  |
| Boron Trichloride                      | BCl <sub>3</sub>                     |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |  |
| Boron Trifluoride                      | BF <sub>3</sub>                      |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |  |
| Boron Trioxide                         | B <sub>2</sub> O <sub>3</sub>        |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |  |
| BRAYCO 885 (MIL - L - 6085A)           |                                      |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |  |
| BRAYCO 910                             |                                      |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |  |
| Brake Fluid (ATE)                      |                                      |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |  |
| Brine                                  | NaCl : H <sub>2</sub> O              |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |  |
| Brine, Calcium Chloride Solution       |                                      |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |  |
| Brine, Calcium Chloride Inhibited      |                                      |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |  |
| Brine, Copper Chloride                 |                                      |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |  |
| Brines, saturated                      |                                      |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |  |
| Brine, Sea Water                       |                                      |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |  |
| Brine, Sodium Chloride, Solution       |                                      |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |  |
| Bromic Acid                            | HBrO <sub>3</sub>                    |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |  |
| Bromine                                | Br <sub>2</sub>                      |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |  |
| Bromine, dry                           |                                      |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |  |
| Bromine, wet                           |                                      |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |  |
| Bromine Pentafluoride                  | BrF <sub>5</sub>                     |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |  |
| Bromine Trifluoride                    | BrF <sub>3</sub>                     |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |  |
| Bromine, Anhydrous                     | Br                                   |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |  |
| Bromobenzene                           | C <sub>6</sub> H <sub>5</sub> Br     |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |  |
| Bromochloromethane                     | BrCH <sub>2</sub> Cl                 |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |  |
| Bromochloropropane                     | Br(CH <sub>2</sub> ) <sub>3</sub> Cl |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |  |
| Bromochlorotrifluoroethane (HALOTHANE) | CF <sub>3</sub> CHBrCl               |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |  |
| Bromoform                              | CHBr <sub>3</sub>                    |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |  |
| Bromotrifluoroethylene (BFE)           | BrFC : CF <sub>2</sub>               |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |  |
| Bromotrifluoromethane (FC 13B1)        | CBrF <sub>3</sub>                    |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |  |
| Brown coal tar                         |                                      |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |  |
| Buffered Oxide Etchants (BOE)          | NH <sub>4</sub> : HF(10 : 1)         |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |  |
| Bunker Oils (Fuel)                     |                                      |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |  |
| Butadiene                              |                                      |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |  |
| 1,3 - Butadiene                        | C <sub>4</sub> H <sub>6</sub>        |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |  |
| Butane                                 | C <sub>4</sub> H <sub>10</sub>       |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |  |



| Fluid Name               | Butter | Buttermilk | Butyl Acetate | n - Butyl Acetate | Butyl Acetyl Ricinoleate | n - Butyl Acetate    | Butyl Alcohol | n - Butyl Alcohol    | sec - Butyl Alcohol (SBA) | tert - Butyl Alcohol | Butyl Amine  | Butyl Benzoate    | Butyl Benzyl Phthalate (BBP) | n-Butyl Butyrate        | Butyl Carbitol               | p - tert - Butylcatechol | Butyl Cellosolve    | Butyl Cellosolve Acetate | n - butyl Chloride | Butylene | Butyl Ether     | Butyl Lactate       | Butyl Laurate           | tert - Butyl Mercaptan | n - Butyl Methacrylate  | Butyl Oleate                      | p - tert - Butylphenol | Butyl Stearate          | Butyraldehyde     | Butyric Acid       | Butyric Anhydride     | Butyl Phthalate | Butyric Fat | Butyrolactone | Butyroyl Chloride | Byclohexane |   |   |
|--------------------------|--------|------------|---------------|-------------------|--------------------------|----------------------|---------------|----------------------|---------------------------|----------------------|--------------|-------------------|------------------------------|-------------------------|------------------------------|--------------------------|---------------------|--------------------------|--------------------|----------|-----------------|---------------------|-------------------------|------------------------|-------------------------|-----------------------------------|------------------------|-------------------------|-------------------|--------------------|-----------------------|-----------------|-------------|---------------|-------------------|-------------|---|---|
| Formula                  |        |            |               | $CH_3COO(CH_2)_4$ | $C_{24}H_{44}O_4$        | $CH_2 : CHCOOC_4H_9$ |               | $CH_3(CH_2)_2CH_2OH$ | $CH_3CH_2CHOHCH_3$        | $(CH_3)_3COH$        | $C_4H_9NH_2$ | $C_6H_5COOC_4H_9$ | $C_4H_9OOC C_6H_4COOC_4H_9$  | $CH_3(CH_2)_2COOC_4H_9$ | $C_4H_9O(CH_2)_2O(CH_2)_2OH$ | $(CH_3)_3CC_6H_3(ON)_2$  | $HO(CH_2)_2OC_4H_9$ | $C_4H_9C(CH_2)_2OOCCH_3$ | $C_4H_9Cl$         |          | $C_4H_9OC_4H_9$ | $CH_3CHOHCOOC_4H_9$ | $C_{11}H_{23}COOC_4H_9$ |                        | $H_2C:C(CH_3)COOC_4H_9$ | $CH_3(CH_2)_7CH(CH_2)_7COOC_4H_9$ | $(CH_3)_3CC_6H_4OH$    | $C_{17}H_{35}COOC_4H_9$ | $CH_3(CH_2)_2CHO$ | $CH_3(CH_2)_2COOH$ | $(CH_3CH_2CH_2CO)_2O$ |                 |             | $O(CH_2)_3CO$ | $C_3H_7COCl$      | $C_6H_{12}$ |   |   |
| Aluminum                 | A      | B          |               |                   |                          |                      |               |                      |                           |                      |              |                   |                              |                         |                              |                          |                     |                          |                    | A        |                 |                     |                         |                        |                         |                                   |                        |                         |                   |                    |                       |                 |             |               |                   |             | A |   |
| Brass                    | D      | B          |               |                   |                          |                      |               |                      |                           |                      |              |                   |                              |                         |                              |                          |                     |                          |                    |          | A               |                     |                         |                        |                         |                                   |                        |                         |                   |                    |                       |                 |             |               |                   |             | A |   |
| Carbon Steel             | D      |            |               |                   |                          |                      |               |                      |                           |                      |              |                   |                              |                         |                              |                          |                     |                          |                    |          | A               |                     |                         |                        |                         |                                   |                        |                         |                   |                    |                       |                 |             |               | C                 |             | A |   |
| Alloy 600                |        |            |               |                   |                          |                      |               |                      |                           |                      |              |                   |                              |                         |                              |                          |                     |                          |                    |          |                 |                     |                         |                        |                         |                                   |                        |                         |                   |                    |                       |                 |             |               |                   |             |   |   |
| Alloy 400/450(Monel®)    | D      | B          |               |                   |                          |                      |               |                      |                           |                      |              |                   |                              |                         |                              |                          |                     |                          |                    |          | A               |                     |                         |                        |                         |                                   |                        |                         |                   |                    |                       |                 |             |               |                   |             |   |   |
| Alloy 20                 | A      | A          | A             |                   |                          |                      |               |                      |                           |                      |              |                   |                              |                         |                              |                          |                     |                          |                    |          | A               |                     |                         |                        |                         |                                   |                        |                         |                   |                    |                       |                 |             |               |                   |             |   |   |
| Alloy C 276 (Hastelloy®) |        |            | B             |                   |                          |                      |               |                      |                           |                      |              |                   |                              |                         |                              |                          |                     |                          |                    |          |                 |                     |                         |                        |                         |                                   |                        |                         |                   |                    |                       |                 |             |               |                   |             |   |   |
| Titanium                 |        |            |               |                   |                          |                      |               |                      |                           |                      |              |                   |                              |                         |                              |                          |                     |                          |                    |          |                 |                     |                         |                        |                         |                                   |                        |                         |                   |                    |                       |                 |             |               |                   |             |   |   |
| Cast Iron                | D      | B          |               |                   |                          |                      |               |                      |                           |                      |              |                   |                              |                         |                              |                          |                     |                          |                    |          | A               |                     |                         |                        |                         |                                   |                        |                         |                   |                    |                       |                 |             |               |                   |             |   |   |
| 316 Stainless Steel      | A      | A          | B             |                   |                          |                      |               |                      |                           |                      |              |                   |                              |                         |                              |                          |                     |                          |                    |          | A               |                     |                         |                        |                         |                                   |                        |                         |                   |                    |                       |                 |             |               |                   |             | A |   |
| 630 Stainless steel      |        |            |               |                   |                          |                      |               |                      |                           |                      |              |                   |                              |                         |                              |                          |                     |                          |                    |          |                 |                     |                         |                        |                         |                                   |                        |                         |                   |                    |                       |                 |             |               |                   |             |   |   |
| Carpenter 20®            | A      | A          | A             |                   |                          |                      |               |                      |                           |                      |              |                   |                              |                         |                              |                          |                     |                          |                    |          | A               |                     |                         |                        |                         |                                   |                        |                         |                   |                    |                       |                 |             |               |                   |             |   |   |
| PTFE/PFA (Teflon®)       | A      | A          | A             | D                 | A                        | D                    | A             | A                    | B                         |                      |              |                   |                              | B                       | A                            | C                        | B                   |                          |                    |          | A               |                     |                         | A                      | A                       | A                                 | A                      | D                       | A                 |                    |                       |                 | A           |               |                   | A           |   |   |
| Nylon                    | A      |            |               |                   |                          |                      |               |                      |                           |                      |              |                   |                              |                         |                              |                          |                     |                          |                    |          | A               |                     |                         |                        |                         |                                   |                        |                         |                   |                    |                       |                 |             |               |                   |             |   |   |
| Polyethylen(PE)          | A      |            |               |                   |                          |                      |               |                      |                           |                      |              |                   |                              |                         |                              |                          |                     |                          |                    |          |                 |                     |                         |                        |                         |                                   |                        |                         |                   |                    |                       |                 |             |               |                   |             |   |   |
| POM (Delrin®)            | A      | A          | B             |                   |                          |                      |               |                      |                           |                      |              |                   |                              |                         |                              |                          |                     |                          |                    |          | A               |                     |                         |                        |                         |                                   |                        |                         |                   |                    |                       |                 |             |               |                   |             |   | D |
| PCTFE (Kel-F®)           |        |            | B             |                   |                          |                      |               |                      |                           |                      |              |                   |                              |                         |                              |                          |                     |                          |                    |          |                 |                     |                         |                        |                         |                                   |                        |                         |                   |                    |                       |                 |             |               |                   |             |   |   |
| PEEK                     | A      | A          | A             |                   |                          |                      |               |                      |                           |                      |              |                   |                              |                         |                              |                          |                     |                          |                    |          | A               |                     |                         |                        |                         |                                   |                        |                         |                   |                    |                       |                 |             |               |                   |             |   |   |
| PVDF                     | A      | A          | D             |                   |                          | B                    |               |                      |                           | C                    |              |                   |                              |                         |                              |                          |                     |                          |                    |          |                 |                     |                         |                        |                         |                                   |                        |                         | A                 |                    |                       |                 |             |               |                   |             |   | D |
| UHMWPE                   | A      | B          | D             |                   |                          |                      |               |                      |                           |                      |              |                   |                              |                         |                              |                          |                     |                          |                    |          | B               |                     |                         |                        |                         |                                   |                        |                         |                   |                    |                       |                 |             |               |                   |             |   |   |
| TPE                      |        |            | B             |                   |                          |                      |               |                      |                           |                      |              |                   |                              |                         |                              |                          |                     |                          |                    |          |                 |                     |                         |                        |                         |                                   |                        |                         |                   |                    |                       |                 |             |               |                   |             |   |   |
| Poly Acrylate            | D      | D          |               |                   |                          |                      | D             |                      |                           |                      |              |                   |                              |                         | D                            |                          | D                   |                          |                    |          | A               |                     |                         |                        |                         |                                   |                        |                         |                   |                    |                       |                 |             |               |                   |             |   |   |
| Poly Urethane            | A      | D          |               |                   |                          |                      | D             |                      |                           |                      |              |                   |                              |                         |                              |                          |                     |                          |                    |          | B               |                     |                         |                        |                         |                                   |                        |                         |                   |                    |                       |                 |             |               |                   |             |   |   |
| NBR                      | A      | A          | D             | D                 | B                        | D                    | A             | A                    |                           | B                    | C            | D                 |                              | D                       | D                            | D                        | C                   | D                        |                    | B        | C               |                     |                         | D                      | D                       |                                   | B                      | D                       | D                 | D                  | D                     | D               | D           | A             |                   |             | C |   |
| FPM (Viton®)             | A      | A          | D             | D                 | A                        | D                    | A             | A                    |                           | A                    | D            | A                 |                              | A                       | C                            | A                        | D                   | B                        |                    | A        | D               |                     |                         | A                      | A                       |                                   | A                      | D                       | B                 | D                  | D                     | D               | B           | D             | B                 |             | A |   |
| Neoprene                 | B      | A          | D             |                   |                          |                      | B             |                      |                           |                      |              |                   |                              |                         | C                            |                          | C                   |                          |                    |          | C               |                     |                         |                        |                         |                                   |                        |                         |                   |                    |                       |                 |             |               |                   |             |   |   |
| EPDM                     | A      | B          | B             | B                 | A                        | D                    | A             | B                    |                           | B                    | D            | A                 |                              | A                       | A                            | B                        | B                   | B                        |                    | D        | C               |                     |                         | D                      | B                       |                                   | D                      | B                       | B                 | B                  | B                     | A               | C           |               |                   |             | C |   |
| Kalrez®                  |        |            | A             | A                 | A                        | A                    |               | A                    | A                         | A                    | A            | A                 | A                            | A                       | A                            | A                        | A                   | A                        | A                  | A        | A               | A                   | A                       | A                      | A                       | A                                 | A                      | A                       | B                 | C                  | A                     |                 |             |               |                   | A           | A |   |
| Grafoil®                 | A      | A          | A             |                   |                          |                      |               |                      |                           |                      |              |                   |                              |                         |                              |                          |                     |                          |                    |          | A               |                     |                         |                        |                         |                                   |                        |                         |                   |                    |                       |                 |             |               |                   |             |   |   |
| Silicone                 | A      | D          | D             |                   |                          |                      | B             | B                    |                           | B                    | D            |                   |                              |                         | D                            |                          |                     |                          |                    |          | D               | D                   |                         |                        |                         |                                   |                        | D                       | D                 | D                  |                       |                 |             |               |                   |             |   | A |
| Fluorosilicone           | A      | D          | D             | B                 | D                        | A                    | A             |                      |                           | B                    | D            | A                 |                              | A                       | D                            | A                        | D                   | B                        |                    | B        | C               |                     |                         |                        |                         |                                   | B                      | B                       | D                 | B                  | B                     | A               |             |               |                   |             |   |   |

# [ Fluid Compatibility Guide - C ]

C  
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| Fluid Name               | Formula           |                   |                   |                   |                     |                                   |     |                   |                   |                  |                 |                 |                  |                   |                   |                 |                 |                   |                  |                  |                  |                   |                 |                  |                   |                 |                          |                      |                   |                      |                       |                 |                 |               |                      |                  |   |   |
|--------------------------|-------------------|-------------------|-------------------|-------------------|---------------------|-----------------------------------|-----|-------------------|-------------------|------------------|-----------------|-----------------|------------------|-------------------|-------------------|-----------------|-----------------|-------------------|------------------|------------------|------------------|-------------------|-----------------|------------------|-------------------|-----------------|--------------------------|----------------------|-------------------|----------------------|-----------------------|-----------------|-----------------|---------------|----------------------|------------------|---|---|
|                          | CdCl <sub>2</sub> | CdCl <sub>2</sub> | CdCl <sub>2</sub> | CdCl <sub>2</sub> | Cd(CN) <sub>2</sub> | Cd(NO <sub>3</sub> ) <sub>2</sub> | CaO | CdSO <sub>4</sub> | CdSO <sub>4</sub> | Calcereous Water | Calcine Liquors | Calcium Acetate | Calcium Arsenate | Calcium Bisulfide | Calcium Bisulfite | Calcium Bromide | Calcium Carbide | Calcium Carbonate | Calcium Chlorate | Calcium Chloride | Calcium Chromate | Calcium Cyanamide | Calcium Cyanide | Calcium Fluoride | Calcium Gluconate | Calcium Hydride | Calcium Hydrogen Sulfite | Calcium Hydrosulfide | Calcium Hydroxide | Calcium Hypochlorite | Calcium Hypophosphite | Calcium Nitrate | Calcium Oxalate | Calcium Oxide | Calcium Permanganate | Calcium Peroxide |   |   |
| Aluminum                 |                   |                   |                   |                   |                     |                                   |     |                   |                   |                  |                 |                 |                  |                   | D                 |                 |                 | C                 | B                | C                |                  |                   |                 |                  |                   |                 |                          |                      |                   |                      |                       |                 |                 |               |                      |                  |   |   |
| Brass                    |                   |                   |                   |                   |                     |                                   |     |                   |                   |                  |                 |                 |                  |                   | C                 |                 |                 | C                 | D                | B                |                  |                   |                 |                  |                   |                 |                          |                      |                   |                      |                       |                 |                 |               |                      |                  |   |   |
| Carbon Steel             |                   |                   | C                 | C                 |                     |                                   |     | A                 | A                 |                  |                 |                 |                  |                   | D                 |                 |                 | D                 |                  | C                |                  |                   |                 |                  |                   |                 |                          |                      |                   |                      |                       |                 |                 |               |                      |                  |   |   |
| Alloy 600                |                   |                   |                   |                   |                     |                                   |     |                   |                   |                  |                 |                 |                  |                   | D                 |                 |                 | B                 |                  | A                |                  |                   |                 |                  |                   |                 |                          |                      |                   |                      |                       |                 |                 |               |                      |                  |   |   |
| Alloy 400/450(Monel®)    |                   |                   |                   |                   |                     |                                   |     |                   |                   |                  |                 |                 |                  |                   | D                 |                 |                 | B                 | B                | A                |                  |                   |                 |                  |                   |                 |                          |                      |                   |                      |                       |                 |                 |               |                      |                  |   |   |
| Alloy 20                 |                   |                   |                   |                   |                     |                                   |     |                   |                   |                  |                 |                 |                  |                   | B                 |                 |                 | B                 | B                | B                |                  |                   |                 |                  |                   |                 |                          |                      |                   |                      |                       |                 |                 |               |                      |                  |   |   |
| Alloy C 276 (Hastelloy®) |                   |                   |                   |                   |                     |                                   |     |                   |                   |                  |                 |                 |                  | A                 | A                 |                 |                 | B                 |                  | A                |                  |                   |                 |                  |                   |                 |                          |                      |                   |                      |                       |                 |                 |               |                      |                  |   |   |
| Titanium                 |                   |                   |                   |                   |                     |                                   |     |                   |                   |                  |                 |                 |                  |                   | A                 |                 |                 | A                 |                  | A                |                  |                   |                 |                  |                   |                 |                          |                      |                   |                      |                       |                 |                 |               |                      |                  |   |   |
| Cast Iron                |                   |                   |                   |                   |                     |                                   |     |                   |                   |                  |                 |                 |                  |                   | D                 |                 |                 | D                 | C                | C                |                  |                   |                 |                  |                   |                 |                          |                      |                   |                      |                       |                 |                 |               |                      |                  |   |   |
| 316 Stainless Steel      |                   |                   |                   |                   |                     |                                   |     |                   |                   |                  |                 |                 |                  |                   | A                 |                 |                 | A                 | B                | B                |                  |                   |                 |                  |                   |                 |                          |                      |                   |                      |                       |                 |                 |               |                      |                  |   |   |
| 630 Stainless steel      |                   |                   |                   |                   |                     |                                   |     |                   |                   |                  |                 |                 |                  |                   |                   |                 |                 |                   |                  |                  |                  |                   |                 |                  |                   |                 |                          |                      |                   |                      |                       |                 |                 |               |                      |                  |   |   |
| Carpenter 20®            |                   |                   |                   |                   |                     |                                   |     |                   |                   |                  |                 |                 |                  |                   | B                 |                 |                 | B                 | B                | B                |                  |                   |                 |                  |                   |                 |                          |                      |                   |                      |                       |                 |                 |               |                      |                  |   |   |
| PTFE/PFA (Teflon®)       |                   |                   | A                 | A                 | A                   |                                   |     | A                 | A                 | A                | A               | A               | A                | A                 | A                 |                 |                 | A                 |                  | A                |                  |                   | A               |                  |                   |                 | A                        |                      |                   |                      |                       |                 |                 |               |                      |                  |   |   |
| Nylon                    |                   |                   |                   |                   |                     |                                   |     |                   |                   |                  |                 |                 |                  |                   |                   |                 |                 | A                 |                  | D                |                  |                   |                 |                  |                   |                 |                          |                      |                   |                      |                       |                 |                 |               |                      |                  |   |   |
| Polyethylen(PE)          |                   |                   |                   |                   |                     |                                   |     |                   |                   |                  |                 |                 |                  |                   |                   |                 |                 | A                 |                  |                  |                  |                   |                 |                  |                   |                 |                          |                      |                   |                      |                       |                 |                 |               |                      |                  |   |   |
| POM (Delrin®)            |                   |                   | B                 | C                 |                     |                                   |     | A                 | A                 |                  |                 |                 |                  |                   | D                 |                 |                 | A                 | D                | A                |                  |                   |                 |                  |                   |                 |                          |                      |                   |                      |                       |                 |                 |               |                      |                  |   |   |
| PCTFE (Kel-F®)           |                   |                   |                   |                   |                     |                                   |     |                   |                   |                  |                 |                 |                  |                   |                   |                 |                 |                   |                  |                  |                  |                   |                 |                  |                   |                 |                          |                      |                   |                      |                       |                 |                 |               |                      |                  |   |   |
| PEEK                     |                   |                   |                   |                   |                     |                                   |     |                   |                   |                  |                 |                 |                  |                   | A                 |                 |                 | A                 | A                | A                |                  |                   |                 |                  |                   |                 |                          |                      |                   |                      |                       |                 |                 |               |                      |                  |   |   |
| PVDF                     |                   |                   | A                 |                   |                     |                                   |     | A                 |                   |                  |                 | A               | A                | A                 |                   | A               |                 | A                 | B                | A                |                  |                   |                 |                  | A                 |                 |                          | A                    |                   |                      |                       |                 |                 |               |                      |                  |   |   |
| UHMWPE                   |                   |                   |                   |                   |                     |                                   |     |                   |                   |                  |                 |                 |                  |                   | B                 |                 |                 | B                 | A                | B                |                  |                   |                 |                  |                   |                 |                          |                      |                   |                      |                       |                 |                 |               |                      |                  |   |   |
| TPE                      |                   |                   |                   |                   |                     |                                   |     |                   |                   |                  |                 |                 |                  |                   | B <sup>1</sup>    |                 |                 |                   |                  |                  |                  |                   |                 |                  |                   |                 |                          |                      |                   |                      |                       |                 |                 |               |                      |                  |   |   |
| Poly Acrylate            |                   |                   | D                 |                   |                     |                                   |     |                   |                   |                  |                 |                 |                  |                   | C                 |                 |                 | D                 |                  | D                |                  |                   |                 |                  |                   |                 |                          |                      |                   |                      |                       |                 |                 |               |                      |                  |   |   |
| Poly Urethane            |                   |                   | D                 |                   |                     |                                   |     |                   |                   |                  |                 |                 |                  |                   | C                 |                 |                 | D                 |                  | B                |                  |                   |                 |                  |                   |                 |                          |                      |                   |                      |                       |                 |                 |               |                      |                  |   |   |
| NBR                      |                   |                   | A                 |                   | A                   | C                                 | A   |                   |                   | A                | A               | A               | B                | A                 | B                 | B               |                 | A                 | B                | A                |                  |                   | A               |                  |                   |                 | D                        |                      | A                 | B                    |                       |                 |                 |               |                      |                  |   |   |
| FPM (Viton®)             |                   |                   | D                 |                   | B                   | B                                 | A   |                   |                   | A                | A               | A               | D                | A                 | B                 | B               |                 | A                 | B                | A                |                  |                   | A               |                  |                   |                 | A                        |                      | A                 | A                    |                       |                 |                 |               |                      |                  |   |   |
| Neoprene                 |                   |                   | A                 |                   |                     |                                   |     |                   |                   |                  |                 |                 |                  |                   | B                 | B               |                 | A                 | B                | A                |                  |                   |                 |                  |                   |                 |                          |                      |                   |                      |                       |                 |                 |               |                      |                  |   |   |
| EPDM                     |                   |                   | A                 |                   |                     |                                   | A   |                   |                   | A                | A               | A               | A                | A                 | A                 | A               |                 | A                 | B                | A                |                  |                   | A               |                  |                   |                 | D                        |                      | A                 | A                    |                       |                 |                 |               |                      |                  |   |   |
| Kalrez®                  |                   |                   | A                 |                   |                     |                                   | A   |                   |                   | A                | A               | A               | A                | A                 | A                 | A               | A               | A                 | A                | A                | A                | A                 | A               | A                | A                 | A               | A                        | A                    | A                 | A                    | A                     | A               | A               | A             | A                    | A                | A | A |
| Grafoil®                 |                   |                   |                   |                   |                     |                                   |     |                   |                   |                  |                 |                 |                  |                   | A                 |                 |                 | A                 | B                | A                |                  |                   |                 |                  |                   |                 |                          |                      |                   |                      |                       |                 |                 |               |                      |                  |   |   |
| Silicone                 |                   |                   | A                 |                   |                     |                                   |     |                   |                   |                  |                 | D               |                  | C                 | C                 |                 |                 | A                 |                  | A                |                  |                   | A               |                  |                   |                 | A                        |                      | A                 | B                    |                       |                 |                 |               |                      |                  |   |   |
| Fluorosilicone           |                   |                   | A                 |                   |                     |                                   |     |                   |                   |                  |                 | A               | D                |                   | C                 | C               |                 | A                 |                  | A                |                  |                   |                 |                  |                   |                 | A                        |                      | A                 | B                    |                       |                 |                 |               |                      |                  |   |   |

| Fluid Name               | Calcium Phosphate         | Calcium Propionate  | Calcium Salts | Calcium Silicate | Calcium Stearate        | Calcium Sulfamate       | Calcium Sulfate | Calcium Sulfide | Calcium Sulfite | Calcium Thiocyanate | Calcium Thiosulfate | Calcium Tungstate | Calgon | Caliche Liquor | Camphene       | Camphor         | Camphoric Acid      | Cane Sugar Liquors | Capacitor Oil | Capric Acid        | Caproic Acid       | Caproic Aldehyde | Caprolactam    | Carbamate | Carbazole      | Carbitol | Carbolic Acid Phenol | Carbonated Beverages | Carbonated Water | Carbon Bisulfide | Carbon Dioxide | Carbon Dioxide, Dry | Carbon Dioxide, Wet | Carbon Dioxide Wet or Dry (low Pressure) | Carbon Dioxide Wet or Dry (High Pressure) | Carbon Disulfide | Carbon Fluorides |        |   |   |   |   |
|--------------------------|---------------------------|---------------------|---------------|------------------|-------------------------|-------------------------|-----------------|-----------------|-----------------|---------------------|---------------------|-------------------|--------|----------------|----------------|-----------------|---------------------|--------------------|---------------|--------------------|--------------------|------------------|----------------|-----------|----------------|----------|----------------------|----------------------|------------------|------------------|----------------|---------------------|---------------------|--|---|------------------|------------------|--------|---|---|---|---|
| Formula                  | $Ca_3(PO_4)_2$ ; $CaSO_4$ | $Ca(OOCCH_2CH_3)_2$ |               |                  | $Ca(C_{18}H_{35}O_2)_2$ | $Ca(SO_3NH_2)_2$ ; 4HOH | $CaSO_4$        | $CaS$           | $CaSO_3$ ; 2HOH | $Ca(SCN)_2$ ; 3HOH  |                     | $CaWO_4$          |        |                | $C_{10}H_{16}$ | $C_{10}H_{16}O$ | $C_8H_{14}(COOH)_2$ |                    |               | $CH_3(CH_2)_8COOH$ | $CH_3(CH_2)_6COOH$ |                  | $(CH_2)_5NHCO$ |           | $(C_6H_4)_2NH$ |          | $C_6H_5OH$           |                      |                  |                  |                | $CO_2$              | $CO_2$              | $CO_2$                                   | $CO_2$                                    | $CO_2$           | $CS_2$           | $CF_4$ |   |   |   |   |
| Aluminum                 | D                         |                     |               | D                |                         |                         | B               |                 |                 |                     |                     |                   |        |                |                |                 |                     |                    |               |                    |                    |                  |                |           |                |          |                      |                      |                  |                  |                |                     |                     |  |   |                  |                  |        |   |   |   |   |
| Brass                    | C                         |                     |               | C                |                         |                         | C               |                 |                 |                     |                     |                   |        |                |                | C               |                     | B                  |               |                    |                    |                  |                |           |                |          | D                    | B                    | B                | C                | A              | A                   |                     |  |   |                  |                  |        |   |   |   |   |
| Carbon Steel             |                           |                     |               |                  |                         |                         | C               |                 |                 |                     |                     |                   |        | B              |                |                 |                     |                    | A             |                    |                    |                  |                |           |                |          | D                    | D                    | B                | B                | A              | A                   |                     |  |   |                  |                  |        |   |   |   |   |
| Alloy 600                |                           |                     |               |                  |                         |                         | D               |                 |                 |                     |                     |                   |        |                |                |                 |                     |                    |               |                    |                    |                  |                |           |                |          | B                    |                      |                  |                  | A              |                     |                     |  |   |                  |                  |        |   |   |   |   |
| Alloy 400/450(Monel®)    |                           |                     |               |                  |                         |                         | B               |                 |                 |                     |                     |                   |        |                |                | C               |                     | B                  |               |                    |                    |                  |                |           |                |          | B                    | C                    | B                | B                | A              | A                   |                     |  |   |                  |                  |        |   |   |   |   |
| Alloy 20                 | B                         |                     |               | B                |                         |                         | B               |                 |                 |                     |                     |                   |        | A              |                | C               |                     | A                  |               |                    |                    |                  |                |           |                |          | A                    | B                    | A                | B                | A              | A                   |                     |  |   |                  |                  |        |   |   |   |   |
| Alloy C 276 (Hastelloy®) |                           |                     |               |                  |                         |                         | B               |                 |                 |                     |                     |                   |        |                |                |                 |                     |                    |               |                    |                    |                  |                |           |                |          | A                    |                      |                  |                  | A              | A                   |                     |  |   |                  |                  |        | B |   |   |   |
| Titanium                 |                           |                     |               |                  |                         |                         | A               |                 |                 |                     |                     |                   |        |                |                |                 |                     |                    |               |                    |                    |                  |                |           |                |          | A                    |                      |                  | A                | A              |                     |                     |  |   |                  |                  |        |   |   |   |   |
| Cast Iron                | C                         |                     |               | C                |                         |                         | C               |                 |                 |                     |                     |                   |        |                |                | C               |                     | B                  |               |                    |                    |                  |                |           |                |          | D                    | B                    | A                | B                |                | B                   |                     |  |   |                  |                  |        |   |   |   |   |
| 316 Stainless Steel      | B                         |                     |               | B                |                         |                         | B               |                 |                 |                     |                     |                   |        | A              |                | B               |                     | A                  |               |                    |                    |                  |                |           |                |          | B                    | B                    | A                | B                | A              | A                   |                     |  |   |                  |                  |        |   |   |   |   |
| 630 Stainless steel      |                           |                     |               |                  |                         |                         | B               |                 |                 |                     |                     |                   |        |                |                |                 |                     |                    |               |                    |                    |                  |                |           |                |          | B                    | B                    | B                |                  |                | A                   |                     |  |   |                  |                  |        |   |   |   |   |
| Carpenter 20®            | B                         |                     |               | B                |                         |                         | B               |                 |                 |                     |                     |                   |        | A              |                | C               |                     | A                  |               |                    |                    |                  |                |           |                |          | A                    | B                    | A                | B                |                | A                   |                     |  |   |                  |                  |        |   |   |   |   |
| PTFE/PFA (Teflon®)       | A                         | A                   | A             |                  |                         |                         | A               | A               | A               | A                   |                     |                   |        | A              | A              | A               | A                   | A                  |               |                    |                    |                  | B              |           |                |          | A                    | A                    | A                | A                | A              | A                   | A                   | A  |   |                  |                  |        |   | A |   |   |
| Nylon                    |                           |                     |               |                  |                         |                         | B               |                 |                 |                     |                     |                   |        |                |                |                 |                     |                    |               |                    |                    |                  |                |           |                |          | B                    |                      |                  |                  | B              |                     |                     |  |   |                  |                  |        |   |   |   |   |
| Polyethylen(PE)          |                           |                     |               |                  |                         |                         |                 |                 |                 |                     |                     |                   |        |                |                |                 |                     |                    |               |                    |                    |                  |                |           |                |          |                      |                      |                  |                  | B              |                     |                     |  |   |                  |                  |        |   |   |   |   |
| POM (Delrin®)            | B                         |                     |               | A                |                         |                         | A               |                 |                 |                     |                     |                   |        | A              |                | A               |                     | A                  | A             |                    |                    |                  |                |           |                |          | D                    | A                    | A                | A                | D              | A                   |                     |  |   |                  |                  |        |   |   |   |   |
| PCTFE (Kel-F®)           |                           |                     |               |                  |                         |                         |                 |                 |                 |                     |                     |                   |        |                |                |                 |                     |                    |               |                    |                    |                  |                |           |                |          |                      |                      |                  |                  |                |                     |                     |  |   |                  |                  |        |   |   |   |   |
| PEEK                     | A                         |                     |               | A                |                         |                         | A               |                 |                 |                     |                     |                   |        | A              |                | A               |                     | A                  |               |                    |                    |                  |                |           |                |          | A                    | A                    | A                | A                |                | A                   |                     |  |   |                  |                  |        |   |   |   |   |
| PVDF                     | A                         | A                   |               |                  |                         |                         | A               | B               | A               |                     |                     |                   |        |                |                |                 |                     |                    |               |                    |                    |                  |                |           |                |          |                      |                      |                  |                  |                | A                   |                     |  |   |                  |                  |        |   |   |   |   |
| UHMWPE                   | A                         |                     |               |                  |                         |                         | B               |                 |                 |                     |                     |                   |        |                |                |                 | D                   |                    |               |                    |                    |                  |                |           |                |          |                      |                      | A                | D                | A              | A                   |                     |  |   |                  |                  |        |   |   | C |   |
| TPE                      |                           |                     |               |                  |                         |                         |                 |                 |                 |                     |                     |                   |        |                |                |                 |                     |                    |               |                    |                    |                  |                |           |                |          |                      |                      |                  | C <sup>1</sup>   | A              | A <sup>1</sup>      |                     |  |   |                  |                  |        |   |   |   |   |
| Poly Acrylate            | A                         |                     |               |                  |                         |                         |                 |                 |                 |                     |                     |                   |        | D              | A              |                 |                     |                    |               |                    |                    |                  |                |           |                |          |                      | D                    |                  | D                |                |                     |                     |  |   |                  |                  |        |   |   | D |   |
| Poly Urethane            | A                         |                     |               |                  |                         |                         |                 |                 |                 |                     |                     |                   |        | D              | A              |                 |                     | D                  |               |                    |                    |                  |                |           |                |          |                      | C                    |                  | D                | B              |                     |                     |  |   |                  |                  | A      | A |   |   |   |
| NBR                      | A                         | A                   | A             |                  |                         |                         | A               | A               | A               |                     | B                   |                   | A      | A              |                | A               |                     | A                  | C             |                    |                    |                  |                | A         | C              |          | B                    | D                    | B                | A                | D              | B                   | A                   | A  | A   | A                | A                | A      | A | D |   |   |
| FPM (Viton®)             | A                         | A                   | A             |                  |                         |                         | A               | A               | A               |                     | A                   |                   | A      | A              |                | B               |                     | A                  | A             |                    |                    | D                | D              | A         |                |          | B                    | A                    | B                | A                | A              | A                   | B                   | B  | B   | B                | C                | A      |   |   |   |   |
| Neoprene                 | B                         |                     |               | A                |                         |                         | A               |                 |                 |                     |                     |                   |        | A              | A              |                 | B                   |                    | A             |                    |                    |                  |                |           |                |          |                      | D                    | B                | A                | D              | B                   | B                   |  |   |                  | B                | C      |   |   |   |   |
| EPDM                     | A                         | A                   | A             |                  |                         |                         | B               | A               | A               |                     | A                   |                   | A      | A              |                | B               |                     | A                  |               |                    |                    |                  | B              | A         | B              |          | B                    | B                    | B                | A                | D              | B                   | B                   | B  | B   | B                | B                | D      |   |   |   |   |
| Kalrez®                  | A                         | A                   | A             | A                | A                       | A                       | A               | A               | A               | A                   | A                   | A                 | A      | A              | A              | A               | A                   | A                  | A             | A                  | A                  | A                | A              | A         | A              | A        | A                    | A                    |                  |                  |                |                     | A                   | A  |   |                  |                  |        |   |   | A | A |
| Grafoil®                 | A                         |                     |               | A                |                         |                         | A               |                 |                 |                     |                     |                   |        | A              | A              |                 | A                   |                    |               |                    |                    |                  |                |           |                |          |                      | A                    | A                | A                | A              |                     |                     |  |   |                  |                  |        |   |   |   |   |
| Silicone                 | A                         | B                   |               |                  |                         |                         | B               | A               |                 | A                   |                     |                   |        | A              | B              |                 |                     |                    |               |                    |                    |                  |                |           |                |          | B                    | D                    |                  | D                |                | B                   |                     |  |   | B                | D                | D      |   |   |   |   |
| Fluorosilicone           | A                         | A                   |               |                  |                         |                         |                 | A               | A               |                     | A                   |                   |        |                |                |                 |                     |                    |               |                    |                    | D                |                | A         |                |          | B                    | A                    |                  | A                |                | B                   |                     |  |   | B                | C                | A      |   |   |   |   |

| Fluid Name               | Carbonic Acid                  | Carbon Monoxide | Carbon Tetrabromide | Carbon Tetrachloride | Carbon Tetrachloride, Wet | Carbon Tetrachloride, Dry | Carbon Tetrachloride Anhydrous | Carbonated Water               | Caro's Acid | Casein | Castor Oil | Castup | Caustic Lime        | Caustic Potash | Caustic Soda | Cellosolve | Cellosolve Acetate  | Celluguard | Cellulose Acetate | Cellulose / Pulp Wood | China Wood Oil (Tung) | Cellulose (Phosphate Esters) | Cellulose A60 | Cellulose 220 | Cellultherm 2505A | Cement, Portland  | Ceric Sulfate   | Cerous Chloride   | Cerous Fluoride  | Cerous Nitrate                    | Cetane (Hexadecane)             | Cetyl Alcohol                      | Chaulmoogric Acid   | Chloral              | Chloramine         | Chlordane                                      | Chlorextol |   |   |   |   |   |   |
|--------------------------|--------------------------------|-----------------|---------------------|----------------------|---------------------------|---------------------------|--------------------------------|--------------------------------|-------------|--------|------------|--------|---------------------|----------------|--------------|------------|---|------------|-------------------|-----------------------|-----------------------|------------------------------|---------------|---------------|-------------------|---|---|-------------------|------------------|-----------------------------------|---------------------------------|------------------------------------|---|----------------------|--------------------|--|------------|---|---|---|---|---|---|
| Formula                  | H <sub>2</sub> CO <sub>3</sub> | CO <sub>2</sub> | CBr <sub>4</sub>    | CCl <sub>4</sub>     |                           |                           |                                | H <sub>2</sub> SO <sub>5</sub> |             |        |            |        | Ca(OH) <sub>2</sub> | KOH            | NaOH         |            | CH <sub>3</sub> COO(CH <sub>2</sub> ) <sub>2</sub> OC <sub>2</sub> H <sub>5</sub> |            |                   |                       |                       |                              |               |               |                   | C <sub>4</sub> AF, C <sub>3</sub> A, C <sub>3</sub> S, C <sub>2</sub> S | Ce(SO <sub>4</sub> ) <sub>2</sub> · 4H <sub>2</sub> O | CeCl <sub>3</sub> | CeF <sub>3</sub> | Ce(NO <sub>3</sub> ) <sub>3</sub> | C <sub>16</sub> H <sub>34</sub> | C <sub>16</sub> H <sub>33</sub> OH | (CH <sub>2</sub> ) <sub>2</sub> (CH) <sub>3</sub> (CH <sub>2</sub> ) <sub>12</sub> COOH | CCl <sub>3</sub> CHO | NH <sub>2</sub> Cl | C <sub>10</sub> H <sub>6</sub> Cl <sub>8</sub> |            |   |   |   |   |   |   |
| Aluminum                 | B                              | A               |                     |                      | D                         | B                         | A                              |                                | C           | A      |            |        |                     |                | D            |            |   |            |                   | B                     | A                     |                              |               |               |                   |   |   |                   |                  |                                   |                                 |                                    |   |                      |                    |  |            |   |   |   |   |   |   |
| Brass                    | D                              | A               |                     |                      | D                         | C                         | B                              | C                              | A           |        |            |        |                     |                |              |            |   |            |                   | B                     | C                     |                              |               |               |                   |   |   |                   |                  |                                   |                                 |                                    |   |                      |                    |  |            |   |   |   |   |   |   |
| Carbon Steel             | D                              |                 |                     |                      | D                         | B                         | B                              |                                | B           |        |            |        |                     |                | B            |            |   |            |                   | C                     | C                     |                              |               | A             |                   |   |   |                   |                  |                                   |                                 |                                    |   |                      |                    |  |            |   |   |   |   |   |   |
| Alloy 600                | A                              |                 |                     |                      | A                         | A                         | A                              |                                |             |        |            |        |                     |                |              |            |   |            |                   |                       |                       |                              |               |               |                   |   |   |                   |                  |                                   |                                 |                                    |   |                      |                    |  |            |   |   |   |   |   |   |
| Alloy 400/450(Monel®)    | A                              | A               |                     |                      | B                         | A                         |                                |                                | C           |        |            |        |                     | B              | A            |            |   |            |                   | B                     | A                     |                              |               |               |                   |   |   |                   |                  |                                   |                                 |                                    |   |                      |                    |  |            |   |   |   |   |   |   |
| Alloy 20                 | A                              |                 |                     |                      | B                         | A                         |                                |                                | B           | A      |            |        |                     | A              | A            |            |   |            |                   |                       |                       |                              |               |               |                   |   |   |                   |                  |                                   |                                 |                                    |   |                      |                    |  |            |   |   |   |   |   |   |
| Alloy C 276 (Hastelloy®) | A                              | A               |                     | A                    | A                         | A                         |                                |                                |             |        |            |        |                     |                |              |            |   |            |                   | B                     | A                     |                              |               |               |                   |   |   |                   |                  |                                   |                                 |                                    |   |                      |                    |  |            |   |   |   |   |   |   |
| Titanium                 | A                              |                 |                     |                      | A                         | A                         | A                              |                                |             |        |            |        |                     |                |              |            |   |            |                   |                       |                       |                              |               |               |                   |   |   |                   |                  |                                   |                                 |                                    |   |                      |                    |  |            |   |   |   |   |   |   |
| Cast Iron                |                                | B               |                     |                      | D                         | C                         |                                |                                | C           | B      |            |        |                     |                | B            |            |   |            |                   | B                     | C                     |                              |               |               |                   |   |   |                   |                  |                                   |                                 |                                    |   |                      |                    |  |            |   |   |   |   |   |   |
| 316 Stainless Steel      | B                              | A               |                     |                      | B                         | A                         | A                              |                                | B           | A      |            |        |                     | A              | A            |            |   |            |                   | B                     | A                     |                              |               |               |                   |   |   |                   |                  |                                   |                                 |                                    |   |                      |                    |  |            |   |   |   |   |   |   |
| 630 Stainless steel      |                                | A               |                     |                      |                           | A                         |                                |                                |             |        |            |        |                     |                |              |            |   |            |                   |                       |                       |                              |               |               |                   |   |   |                   |                  |                                   |                                 |                                    |   |                      |                    |  |            |   |   |   |   |   |   |
| Carpenter 20®            |                                | A               |                     |                      | B                         | A                         |                                |                                | B           | A      |            |        |                     | A              | A            |            |   |            |                   |                       |                       |                              |               |               |                   |   |   |                   |                  |                                   |                                 |                                    |   |                      |                    |  |            |   |   |   |   |   |   |
| PTFE/PFA (Teflon®)       | A                              | A               |                     | D                    | A                         | A                         | A                              |                                | A           |        |            |        | A                   | A              | A            | A          | C   | A          |                   | A                     | A                     | B                            | B             | A             | A                 | A   |   |                   |                  |                                   | A                               |                                    |   |                      |                    |  |            | A | A |   |   |   |   |
| Nylon                    | B                              | A               |                     |                      | B                         | A                         |                                |                                |             | A      |            |        |                     |                |              |            |   |            |                   |                       |                       |                              |               |               |                   |   |   |                   |                  |                                   |                                 |                                    |   |                      |                    |  |            |   |   |   |   |   |   |
| Polyethylen(PE)          | B                              |                 |                     |                      |                           | C                         |                                |                                |             |        |            |        |                     |                |              |            |   |            |                   |                       |                       |                              |               |               |                   |   |   |                   |                  |                                   |                                 |                                    |   |                      |                    |  |            |   |   |   |   |   |   |
| POM (Delrin®)            | C                              | A               |                     |                      | B                         | A                         | A                              |                                | A           | A      |            |        |                     | D              | D            |            |   |            |                   | C                     | A                     | A                            |               |               | A                 |   |   |                   |                  |                                   |                                 |                                    |   |                      |                    |  |            |   |   |   |   |   |   |
| PCTFE (Kel-F®)           |                                |                 |                     |                      | D                         | D                         |                                |                                |             |        |            |        |                     |                |              |            |   |            |                   |                       |                       |                              |               |               |                   |   |   |                   |                  |                                   |                                 |                                    |   |                      |                    |  |            |   |   |   |   |   |   |
| PEEK                     |                                | A               |                     |                      | A                         | A                         |                                |                                | A           | A      |            |        |                     | A              | A            |            |   |            |                   | A                     | A                     |                              |               |               |                   |   |   |                   |                  |                                   |                                 |                                    |   |                      |                    |  |            |   |   |   |   |   |   |
| PVDF                     |                                |                 | A                   | A                    |                           |                           |                                | A                              | A           | A      |            |        |                     |                |              |            |   |            |                   |                       |                       |                              |               |               |                   |   |   |                   |                  |                                   |                                 |                                    |   |                      |                    |  |            |   |   |   | A |   |   |
| UHMWPE                   | B                              | A               |                     | D                    | D                         | D                         |                                |                                |             | A      |            |        |                     |                |              |            |   |            |                   |                       |                       |                              |               |               |                   |   |   |                   |                  |                                   |                                 |                                    |   |                      |                    |  |            |   |   |   |   |   |   |
| TPE                      | D                              | A               |                     | D                    |                           |                           |                                |                                |             |        |            |        |                     |                |              |            |   |            |                   |                       |                       |                              |               |               |                   |   |   |                   |                  |                                   |                                 |                                    |   |                      |                    |  |            |   |   |   |   |   |   |
| Poly Acrylate            |                                |                 |                     |                      |                           |                           | D                              |                                |             | A      |            |        |                     |                | D            |            |   |            |                   |                       | D                     |                              |               |               |                   |   |   |                   |                  |                                   |                                 |                                    |   |                      |                    |  |            |   |   |   |   |   |   |
| Poly Urethane            | A                              | A               |                     |                      |                           |                           | D                              | B                              |             | A      |            |        |                     |                | D            |            |   |            |                   |                       | B                     | C                            |               |               |                   |   |   |                   |                  |                                   |                                 |                                    |   |                      |                    |  |            |   |   | D |   |   |   |
| NBR                      | B                              | A               |                     | D                    | D                         | D                         | C                              | A                              |             | B      | A          | A      | A                   | B              | B            | D          | D   | A          | D                 | B                     | A                     | D                            | D             | D             | B                 | A   |   |                   |                  | A                                 |                                 |                                    |   |                      |                    |  |            |   |   | B | B |   |   |
| FPM (Viton®)             | A                              | A               |                     | A                    | B                         | B                         | A                              | A                              |             | B      | A          | A      | A                   | D              | D            | D          | A   | D          | D                 | A                     | A                     | D                            | C             | B             | A                 |   |   |                   |                  | A                                 |                                 |                                    |   |                      |                    |  |            |   |   |   | A | A |   |
| Neoprene                 | A                              | B               |                     |                      | D                         | D                         | D                              | A                              |             | B      | A          |        |                     | B              | B            |            |   |            |                   | D                     | B                     | B                            |               |               |                   |   |   |                   |                  |                                   |                                 |                                    |   |                      |                    |  |            |   |   |   |   |   |   |
| EPDM                     | A                              | A               |                     | D                    | D                         | D                         | B                              | A                              |             | B      | B          |        | A                   | A              | B            | B          | B   | A          | B                 | B                     | D                     | A                            | B             | A             | D                 | A   |   |                   |                  |                                   |                                 |                                    |   | D                    |                    |  |            |   |   | D | D |   |   |
| Kalrez®                  | A                              | A               | A                   | A                    | B                         | B                         |                                |                                | A           | A      | A          |        | A                   | A              | A            | A          | A   | A          | A                 |                       |                       |                              |               |               |                   |   | A   | A                 | A                | A                                 | A                               | A                                  | A   | A                    | A                  | A  | A          | A | A | A | A | A | A |
| Grafoil®                 |                                |                 |                     |                      | A                         | A                         |                                |                                |             | A      | A          |        |                     | A              | A            |            |   |            |                   | A                     |                       | A                            |               |               |                   |   |   |                   |                  |                                   |                                 |                                    |   |                      |                    |  |            |   |   |   |   |   |   |
| Silicone                 | A                              | A               |                     | D                    |                           |                           | D                              | C                              |             | A      |            |        | A                   | C              | C            | D          | D   | A          |                   | B                     | D                     | A                            | B             | C             | D                 |   |   |                   |                  |                                   |                                 |                                    |   |                      |                    |  |            |   |   |   | D | D |   |
| Fluorosilicone           | A                              | B               |                     | B                    |                           |                           | B                              | B                              |             | A      | A          |        | A                   | C              | C            | D          | D   | A          |                   | B                     | A                     | C                            | C             | C             | B                 |   |   |                   |                  |                                   |                                 |                                    |   |                      |                    |  |            |   |   |   |   | B | B |

| Fluid Name               | Chloric Acid      | Chlorinated Glue     | Chlorinated Naphthalene | Chlorinated Salt Brine | Chlorinated Solvents | Chlorinated Water | Chlorine        | Chlorine, Dry   | Chlorine, Wet   | Chlorine Dioxide | Chlorine Gas, Dry | Chlorine Gas, Wet | Chlorine Gaseous Dry, max. +100 °C | Chlorine Gaseous Dry, over +100 °C | Chlorine Liquid Dry, max. +100 °C | Chlorine Liquid Dry, over +100 °C | Chlorine Phosphoric Acid 75%/+20 °C | Chlorine Trifluoride | Chlorine Water                     | Chlorine, anhydrous liquid | Chlorine, dry | Chlorinated Solvents | Chlorinated Biphenyl | Chloroacetaldehyde    | Chloroacetic Acid      | Chloroacetone                        | Chloroacetyl Chloride  | m - Chloroaniline                               | Chlorobenzaldehyde                | Chlorobenzene (Mono)             | Chlorobenzene, Dry | m - Chlorobenzotrifluoride                      | Chlorobromomethane   | Chlorobutadiene | Chlorodifluoroethane (FC 142b)    | Chlorodifluoromethane (FC 22) | Chlorododecane |   |   |   |   |   |   |   |
|--------------------------|-------------------|----------------------|-------------------------|------------------------|----------------------|-------------------|-----------------|-----------------|-----------------|------------------|-------------------|-------------------|------------------------------------|------------------------------------|-----------------------------------|-----------------------------------|-------------------------------------|----------------------|------------------------------------|----------------------------|---------------|----------------------|----------------------|-----------------------|------------------------|--------------------------------------|------------------------|---|-----------------------------------|----------------------------------|--------------------|---|----------------------|-----------------|-----------------------------------|-------------------------------|----------------|---|---|---|---|---|---|---|
| Formula                  | HClO <sub>3</sub> | C <sub>10</sub> H7Cl |                         |                        |                      |                   | Cl <sub>2</sub> | Cl <sub>2</sub> | Cl <sub>2</sub> | ClO <sub>2</sub> |                   |                   |                                    |                                    |                                   |                                   |                                     | ClF <sub>3</sub>     | H <sub>2</sub> O : Cl <sub>2</sub> |                            |               |                      |                      | ClCH <sub>2</sub> CHO | CH <sub>2</sub> ClCOOH | CH <sub>3</sub> COCH <sub>2</sub> Cl | ClCH <sub>2</sub> COCl | ClC <sub>6</sub> H <sub>4</sub> NH <sub>2</sub> | C <sub>6</sub> H <sub>5</sub> CHO | C <sub>6</sub> H <sub>5</sub> Cl |                    | ClC <sub>6</sub> H <sub>4</sub> CF <sub>3</sub> | BrCH <sub>2</sub> Cl |                 | CH <sub>2</sub> CClF <sub>2</sub> | CHClF <sub>2</sub>            |                |   |   |   |   |   |   |   |
| Aluminum                 | D                 |                      |                         |                        |                      | D D               |                 |                 |                 | D D              | D D               |                   |                                    |                                    |                                   |                                   |                                     |                      |                                    |                            |               |                      | D                    |                       |                        |                                      |                        |   |                                   |                                  |                    |   |                      |                 |                                   |                               |                |   |   |   |   |   |   |   |
| Brass                    | D                 |                      |                         |                        |                      | D D               |                 |                 |                 | C D              | C D               |                   |                                    |                                    |                                   |                                   |                                     |                      |                                    |                            |               |                      | C                    |                       |                        |                                      |                        |   |                                   |                                  |                    |   |                      |                 |                                   |                               |                |   |   |   |   |   |   |   |
| Carbon Steel             | D                 |                      |                         |                        |                      | D D               |                 |                 |                 | B D              | D A               | A C               | A C                                | C C                                |                                   |                                   |                                     |                      |                                    |                            |               |                      | C                    |                       |                        |                                      |                        |   |                                   |                                  |                    |   |                      |                 |                                   |                               |                |   |   |   |   |   |   |   |
| Alloy 600                |                   |                      |                         |                        |                      |                   |                 |                 |                 | D B              | D B               |                   |                                    |                                    |                                   |                                   |                                     |                      |                                    |                            |               |                      | A                    |                       |                        |                                      |                        |   |                                   |                                  |                    |   |                      |                 |                                   |                               |                |   |   |   |   |   |   |   |
| Alloy 400/450(Monel®)    | C                 |                      |                         |                        |                      | D                 |                 |                 |                 | A B              | A B               |                   |                                    |                                    |                                   |                                   |                                     |                      |                                    |                            |               |                      | B                    |                       |                        |                                      |                        |   |                                   |                                  |                    |   |                      |                 |                                   |                               |                |   |   |   |   |   |   |   |
| Alloy 20                 |                   |                      |                         |                        |                      | A                 |                 |                 |                 | A                | A                 |                   |                                    |                                    |                                   |                                   |                                     |                      |                                    |                            |               |                      | A                    |                       |                        |                                      |                        |   |                                   |                                  |                    |   |                      |                 |                                   |                               |                |   |   |   |   |   |   |   |
| Alloy C 276 (Hastelloy®) | A                 |                      |                         |                        |                      | D                 |                 |                 |                 | A D              | A D               |                   |                                    |                                    |                                   |                                   |                                     |                      | A D                                | A D                        | A A           | A A                  |                      |                       |                        |                                      |                        |   |                                   |                                  |                    |   |                      |                 |                                   |                               |                |   |   |   |   |   |   |   |
| Titanium                 | A                 |                      |                         |                        |                      | A                 |                 |                 |                 | D A              | D A               |                   |                                    |                                    |                                   |                                   |                                     |                      |                                    |                            |               |                      | A                    |                       |                        |                                      |                        |   |                                   |                                  |                    |   |                      |                 |                                   |                               |                |   |   |   |   |   |   |   |
| Cast Iron                |                   |                      |                         |                        |                      |                   |                 |                 |                 | B                | B                 |                   |                                    |                                    |                                   |                                   |                                     |                      |                                    |                            |               |                      | C                    |                       |                        |                                      |                        |   |                                   |                                  |                    |   |                      |                 |                                   |                               |                |   |   |   |   |   |   |   |
| 316 Stainless Steel      | C                 |                      |                         |                        |                      | C D               |                 |                 |                 | B C              | B C               |                   |                                    |                                    |                                   |                                   |                                     |                      |                                    |                            |               |                      | A                    |                       |                        |                                      |                        |   |                                   |                                  |                    |   |                      |                 |                                   |                               |                |   |   |   |   |   |   |   |
| 630 Stainless steel      |                   |                      |                         |                        |                      | D                 |                 |                 |                 | C                | C                 |                   |                                    |                                    |                                   |                                   |                                     |                      |                                    |                            |               |                      |                      |                       |                        |                                      |                        |   |                                   |                                  |                    |   |                      |                 |                                   |                               |                |   |   |   |   |   |   |   |
| Carpenter 20®            |                   |                      |                         |                        |                      | A                 |                 |                 |                 | A                | A                 |                   |                                    |                                    |                                   |                                   |                                     |                      |                                    |                            |               |                      | A                    |                       |                        |                                      |                        |   |                                   |                                  |                    |   |                      |                 |                                   |                               |                |   |   |   |   |   |   |   |
| PTFE/PFA (Teflon®)       | A                 | D                    | A                       | D                      | A                    | A                 | C               | C               | C               | A                | A                 | A                 | A                                  | A                                  | A                                 | A                                 | D                                   | A                    | A                                  | A                          | A             | A                    |                      |                       | B                      | D                                    |                        | B   | B                                 | B                                | A                  |   |                      |                 |                                   |                               |                |   |   |   |   | B |   |   |
| Nylon                    |                   |                      |                         |                        |                      | D                 |                 |                 |                 | D D              | D D               |                   |                                    |                                    |                                   |                                   |                                     |                      |                                    |                            |               |                      |                      |                       |                        |                                      |                        |   |                                   |                                  |                    |   |                      |                 |                                   |                               |                |   |   |   |   |   |   |   |
| Polyethylen(PE)          |                   |                      |                         |                        |                      |                   |                 |                 |                 | C C              | C C               |                   |                                    |                                    |                                   |                                   |                                     |                      |                                    |                            |               |                      |                      |                       |                        |                                      |                        |   |                                   |                                  |                    |   |                      |                 |                                   |                               |                |   |   |   |   |   |   |   |
| POM (Delrin®)            |                   |                      |                         |                        |                      | D D               |                 |                 |                 | D                | A                 | C                 | A                                  | C                                  | C                                 |                                   |                                     |                      |                                    |                            |               |                      | A                    |                       |                        |                                      |                        |   |                                   |                                  |                    |   |                      |                 |                                   |                               |                |   |   |   |   |   |   |   |
| PCTFE (Kel-F®)           |                   |                      |                         |                        |                      |                   |                 |                 |                 | A                | A                 |                   |                                    |                                    |                                   |                                   |                                     |                      |                                    |                            |               |                      |                      |                       |                        |                                      |                        |   |                                   |                                  |                    |   |                      |                 |                                   |                               |                |   |   |   |   |   |   |   |
| PEEK                     |                   |                      |                         |                        |                      | D D               |                 |                 |                 | A                | A                 |                   |                                    |                                    |                                   |                                   |                                     |                      |                                    |                            |               |                      | A                    |                       |                        |                                      |                        |   |                                   |                                  |                    |   |                      |                 |                                   |                               |                |   |   |   |   |   |   |   |
| PVDF                     | A                 |                      |                         |                        |                      |                   | A               | C               | B               |                  |                   |                   |                                    |                                    |                                   |                                   |                                     |                      |                                    |                            |               |                      |                      |                       |                        |                                      |                        |   |                                   |                                  |                    |   |                      |                 |                                   |                               |                |   |   |   |   | A |   |   |
| UHMWPE                   |                   |                      |                         |                        |                      | C                 |                 |                 |                 | D                |                   |                   |                                    |                                    |                                   |                                   |                                     |                      |                                    | B                          | D             | D                    |                      |                       |                        |                                      |                        |   |                                   |                                  |                    |   |                      |                 |                                   |                               |                |   |   |   |   |   |   |   |
| TPE                      |                   |                      |                         |                        |                      |                   |                 |                 |                 |                  |                   |                   |                                    |                                    |                                   |                                   |                                     |                      |                                    |                            |               |                      | D                    |                       |                        |                                      |                        |   |                                   |                                  |                    |   |                      |                 |                                   |                               |                |   |   |   |   |   |   |   |
| Poly Acrylate            |                   |                      |                         |                        |                      | D                 |                 |                 |                 | D                |                   |                   |                                    |                                    |                                   |                                   |                                     |                      |                                    |                            |               |                      | D                    | D                     | D                      | D                                    |                        |   |                                   |                                  |                    |   |                      |                 |                                   |                               |                |   |   |   |   |   |   |   |
| Poly Urethane            |                   |                      |                         |                        |                      |                   |                 |                 |                 |                  |                   |                   |                                    |                                    |                                   |                                   |                                     |                      |                                    |                            |               |                      |                      | D                     | D                      | D                                    |                        |   |                                   |                                  |                    |   |                      |                 |                                   |                               |                |   |   |   |   |   |   |   |
| NBR                      | B                 | D                    | D                       | D                      | B                    | D                 | D               | C               | D               | C                | D                 | C                 | C                                  | C                                  | C                                 | C                                 | D                                   | D                    | D                                  | D                          | B             | D                    | D                    | D                     | D                      | D                                    | D                      | D   | D                                 | D                                | D                  | D   | D                    | D               | D                                 | D                             | D              | D | D | D | D |   |   |   |
| FPM (Viton®)             | A                 | A                    | A                       | A                      | A                    | C                 | A               | A               | B               | B                | A                 | A                 | A                                  | A                                  | A                                 | A                                 | D                                   | A                    | A                                  | A                          | A             | A                    | A                    | A                     | D                      | D                                    | C                      | A   | A                                 | A                                | A                  | A   | A                    | A               | A                                 | A                             | A              | A | A | A | A | A | A |   |
| Neoprene                 |                   |                      |                         |                        | A                    | D                 |                 |                 | D               | D                | D                 |                   |                                    |                                    |                                   |                                   |                                     |                      |                                    |                            |               |                      | D                    | D                     | D                      | D                                    |                        |   |                                   |                                  |                    |   |                      |                 |                                   |                               |                |   |   |   |   |   |   |   |
| EPDM                     |                   | D                    | D                       | D                      | D                    | D                 | B               | C               | D               |                  |                   |                   |                                    |                                    |                                   |                                   |                                     | D                    | B                                  |                            |               | D                    | D                    | A                     | B                      | A                                    | B                      | D   | D                                 | D                                | D                  | D   | D                    | D               | D                                 | D                             | D              | D | D | D | D | D |   |   |
| Kalrez®                  | A                 | A                    | A                       | A                      |                      |                   | A               | A               | B               | A                |                   |                   |                                    |                                    |                                   |                                   |                                     | B                    | A                                  |                            |               |                      |                      | B                     | A                      | A                                    | A                      | A   | A                                 | A                                | A                  | A   | A                    | A               | A                                 | A                             | A              | A | A | A | A | A | A |   |
| Grafoil®                 |                   |                      |                         |                        | A                    |                   |                 |                 |                 | A                |                   |                   |                                    |                                    |                                   |                                   |                                     |                      |                                    |                            |               |                      | A                    |                       |                        |                                      |                        |   |                                   |                                  |                    |   |                      |                 |                                   |                               |                |   |   |   |   |   |   |   |
| Silicone                 |                   | D                    | D                       | D                      | D                    | D                 |                 |                 |                 |                  |                   |                   |                                    |                                    |                                   |                                   |                                     | D                    | D                                  |                            |               | D                    | D                    |                       |                        | D                                    |                        |   |                                   |                                  |                    |   |                      |                 |                                   |                               |                |   |   |   |   | D | D |   |
| Fluorosilicone           |                   | B                    | A                       |                        | D                    | A                 | B               | B               |                 |                  |                   |                   |                                    |                                    |                                   |                                   |                                     | D                    |                                    |                            |               | A                    | D                    | C                     | D                      | D                                    |                        |   |                                   |                                  |                    |   |                      |                 |                                   |                               |                |   |   |   |   |   | C | A |

| Fluid Name                            | Chloroform        | Chloroform, Dry | Chloroethydrin                           | p - Chloronitrobenzene                          | Chloronitroethane | Chloromethyl Ether | Chloropentafluoroethane (FC 115)  | o - Chlorophenol                   | p - Chlorophenol                   | Chlorophyll, Dry | Chloropicrin                     | Chloroprene                               | Chlorosulfonic Acid  | Chlorosulfonic Acid, Dry | Chlorosulfonic Acid, Wet | Chlorotetrafluoroethane (FC 124)  | p - Chlorotoluene                                | Chlorotoluene Sulfonic Acid   | Chlorotrifluoromethane (FC13) | Chlorotrifluoroethylene (CTFE) | Chlorox | Chloroxylenol  | Cholesterol                        | Choline   | Chrome Alum | Chrome Plating Solution         | Chromic Acid | Chromic Acid < 50% | Chromic Acid > 50% | Chromic Acid 5% | Chromic Acid 10% | Chromic Acid 30% | Chromic Acid 50% | Chromic Chloride  | Chromic Fluoride | Chromic Hydroxide   | Chromic Nitrate                   |   |  |  |
|---------------------------------------|-------------------|-----------------|--|---|-------------------|--------------------|-----------------------------------|------------------------------------|------------------------------------|------------------|----------------------------------|---|----------------------|--------------------------|--------------------------|-----------------------------------|--|---|-------------------------------|--------------------------------|---------|--|------------------------------------|---|-------------|---------------------------------|--------------|--------------------|--------------------|-----------------|------------------|------------------|------------------|-------------------|------------------|---------------------|-----------------------------------|---|--|--|
| Formula                               | CHCl <sub>3</sub> |                 | CH <sub>2</sub> OHCHOHCH <sub>2</sub> Cl | C <sub>6</sub> H <sub>4</sub> ClNO <sub>2</sub> |                   |                    | CClF <sub>2</sub> CF <sub>3</sub> | C <sub>6</sub> H <sub>4</sub> OHCl | C <sub>6</sub> H <sub>4</sub> OHCl |                  | CCl <sub>3</sub> NO <sub>2</sub> | H <sub>2</sub> C : CHCl : CH <sub>2</sub> | ClSO <sub>2</sub> OH |                          |                          | C <sub>2</sub> CF <sub>4</sub> Cl | CH <sub>3</sub> C <sub>6</sub> H <sub>4</sub> Cl | CH <sub>3</sub> C <sub>6</sub> H <sub>3</sub> (SO <sub>3</sub> H)Cl | CClF <sub>3</sub>             | ClFC : CH <sub>2</sub>         |         | C <sub>6</sub> H <sub>2</sub> (CH <sub>3</sub> ) <sub>2</sub> OHCl | C <sub>27</sub> H <sub>46</sub> OH | (CH <sub>3</sub> ) <sub>3</sub> NOH(CH <sub>2</sub> ) <sub>2</sub> OH |             | H <sub>2</sub> CrO <sub>4</sub> |              |                    |                    |                 |                  |                  |                  | CrCl <sub>3</sub> | CrF <sub>3</sub> | Cr(OH) <sub>3</sub> | Cr(NO <sub>3</sub> ) <sub>3</sub> |   |  |  |
| Aluminum                              | D                 | D               |  |   |                   |                    |                                   |                                    |                                    | B                |                                  |   | B                    | D                        |                          |                                   |  |   |                               |                                |         |  |                                    |   | C           | D                               | C            | D                  |                    |                 |                  |                  |                  |                   |                  |                     |                                   |   |  |  |
| Brass                                 | B                 | B               |  |   |                   |                    |                                   |                                    |                                    | B                |                                  |   | C                    | D                        |                          |                                   |  |   |                               |                                |         |  |                                    |   |             | C                               | D            | D                  | D                  |                 |                  |                  |                  |                   |                  |                     |                                   |   |  |  |
| Carbon Steel                          | B                 | B               |  |   |                   |                    |                                   |                                    |                                    |                  |                                  |   | B                    | D                        |                          |                                   |  |   |                               |                                |         |  |                                    |   | B           | D                               | D            | D                  |                    |                 |                  |                  |                  |                   |                  |                     |                                   |   |  |  |
| Alloy 600                             |                   | A               |  |   |                   |                    |                                   |                                    |                                    |                  |                                  | C   | C                    |                          |                          |                                   |  |   |                               |                                |         |  |                                    |   |             | B                               |              |                    |                    |                 |                  |                  |                  |                   |                  |                     |                                   |   |  |  |
| Alloy 400/450(Monel <sup>®</sup> )    |                   | A               |  |   |                   |                    |                                   |                                    | B                                  |                  |                                  | C   | D                    |                          |                          |                                   |  |   |                               |                                |         |  |                                    | B   | D           | C                               | D            |                    |                    |                 |                  |                  |                  |                   |                  |                     |                                   |   |  |  |
| Alloy 20                              |                   | A               |  |   |                   |                    |                                   | A                                  |                                    |                  |                                  | B   |                      |                          |                          |                                   |  |   |                               |                                |         |  |                                    | A   |             | B                               | B            |                    |                    |                 |                  |                  |                  |                   |                  |                     |                                   |   |  |  |
| Alloy C 276 (Hastelloy <sup>®</sup> ) | A                 | B               |  |   |                   |                    |                                   |                                    |                                    |                  |                                  | A   | A                    | A                        |                          |                                   |  |   |                               |                                |         |  |                                    |   | B           | B                               | B            | B                  | A                  | D               | B                |                  |                  |                   |                  |                     |                                   |   |  |  |
| Titanium                              |                   | A               |  |   |                   |                    |                                   |                                    |                                    |                  |                                  | D   |                      |                          |                          |                                   |  |   |                               |                                |         |  |                                    |   |             | A                               |              |                    |                    |                 |                  |                  |                  |                   |                  |                     |                                   |   |  |  |
| Cast Iron                             |                   | C               |  |   |                   |                    |                                   |                                    | B                                  |                  |                                  | B   |                      |                          |                          |                                   |  |   |                               |                                |         |  |                                    | C   |             | D                               | C            |                    |                    |                 |                  |                  |                  |                   |                  |                     |                                   |   |  |  |
| 316 Stainless Steel                   | A                 | A               |  |   |                   |                    |                                   |                                    | B                                  |                  |                                  | B   | D                    |                          |                          |                                   |  |   |                               |                                |         |  |                                    | A   | D           | C                               | C            |                    |                    |                 |                  |                  |                  |                   |                  |                     |                                   |   |  |  |
| 630 Stainless steel                   |                   | B               |  |   |                   |                    |                                   |                                    |                                    |                  |                                  |   |                      |                          |                          |                                   |  |   |                               |                                |         |  |                                    |   |             |                                 | C            | D                  |                    |                 |                  |                  |                  |                   |                  |                     |                                   |   |  |  |
| Carpenter 20 <sup>®</sup>             |                   | A               |  |   |                   |                    |                                   | A                                  |                                    |                  |                                  | B   |                      |                          |                          |                                   |  |   |                               |                                |         |  |                                    | A   |             | B                               | B            |                    |                    |                 |                  |                  |                  |                   |                  |                     |                                   |   |  |  |
| PTFE/PFA (Teflon <sup>®</sup> )       | A                 | A               | A  |   |                   | D                  |                                   | A                                  | C                                  | A                | A                                | A   | A                    |                          |                          |                                   |  |   | A                             |                                |         |  |                                    | A   | A           | A                               | A            | A                  | A                  | A               | A                | A                | A                | A                 | A                | A                   |                                   |   |  |  |
| Nylon                                 |                   | B               |  |   |                   |                    |                                   |                                    |                                    |                  |                                  | D   |                      |                          |                          |                                   |  |   |                               |                                |         |  |                                    |   | D           | D                               | D            | D                  |                    |                 |                  |                  |                  |                   |                  |                     |                                   |   |  |  |
| Polyethylen(PE)                       |                   |                 |  |   |                   |                    |                                   |                                    |                                    |                  |                                  |   |                      |                          |                          |                                   |  |   |                               |                                |         |  |                                    |   | B           |                                 |              |                    |                    |                 |                  |                  |                  |                   |                  |                     |                                   |   |  |  |
| POM (Delrin <sup>®</sup> )            | B                 | A               |  |   |                   |                    |                                   |                                    |                                    |                  |                                  | D   |                      |                          |                          |                                   |  |   |                               |                                |         |  |                                    | B   | D           | D                               | D            |                    |                    |                 |                  |                  |                  |                   |                  |                     |                                   |   |  |  |
| PCTFE (Kel-F <sup>®</sup> )           |                   | D               |  |   |                   |                    |                                   |                                    |                                    |                  |                                  | A   |                      |                          |                          |                                   |  |   |                               |                                |         |  |                                    |   |             | A                               | A            |                    |                    |                 |                  |                  |                  |                   |                  |                     |                                   |   |  |  |
| PEEK                                  |                   | A               |  |   |                   |                    |                                   | A                                  |                                    |                  |                                  | D   |                      |                          |                          |                                   |  |   |                               |                                |         |  |                                    | A   |             | A                               | D            |                    |                    |                 |                  |                  |                  |                   |                  |                     |                                   |   |  |  |
| PVDF                                  | A                 |                 |  |   |                   |                    |                                   |                                    | A                                  |                  | A                                |   |                      |                          |                          |                                   |  |   |                               |                                |         |  |                                    | A   | A           |                                 |              |                    |                    |                 |                  |                  |                  |                   |                  |                     |                                   |   |  |  |
| UHMWPE                                | C                 |                 |  |   |                   |                    |                                   |                                    |                                    |                  |                                  | D   | D                    |                          |                          |                                   |  |   |                               |                                |         |  |                                    | A   |             | A                               |              | D                  | D                  | D               | D                |                  |                  |                   |                  |                     |                                   |   |  |  |
| TPE                                   | D                 |                 |  |   |                   |                    |                                   |                                    |                                    |                  |                                  | D   |                      |                          |                          |                                   |  |   |                               |                                |         |  |                                    |   |             |                                 |              | D                  | D                  | D               | D                |                  |                  |                   |                  |                     |                                   |   |  |  |
| Poly Acrylate                         | D                 |                 |  |   | D                 |                    |                                   |                                    |                                    |                  |                                  | D   |                      |                          |                          |                                   |  |   |                               |                                |         |  | D                                  |   |             | D                               |              |                    |                    |                 |                  |                  |                  |                   |                  |                     |                                   |   |  |  |
| Poly Urethane                         | D                 |                 |  |   | D                 |                    |                                   |                                    |                                    |                  |                                  | D   |                      |                          |                          |                                   |  |   |                               |                                |         |  | D                                  |   |             | D                               |              |                    |                    |                 |                  |                  |                  |                   |                  |                     |                                   |   |  |  |
| NBR                                   | D                 | D               | A  | D   | D                 | A                  | D                                 | B                                  | D                                  | D                | D                                | D   | D                    | D                        | D                        | D                                 | A  | A   | B                             |                                |         |  | A                                  | D   | D           | D                               | D            | D                  | D                  | D               | D                | D                | D                | D                 | D                |                     |                                   |   |  |  |
| FPM (Viton <sup>®</sup> )             | A                 | B               | A  | D   | D                 | A                  | A                                 | B                                  | A                                  | D                | D                                |   | D                    | D                        | D                        | A                                 | A  | A   |                               |                                |         |  | A                                  | A   | A           | C                               | C            | A                  | B                  | A               | A                |                  |                  |                   |                  |                     |                                   |   |  |  |
| Neoprene                              | D                 | D               |  |   | D                 |                    |                                   | B                                  |                                    |                  |                                  | D   | D                    | D                        |                          |                                   |  |   |                               |                                |         |  | B                                  |   | B           | D                               | D            | D                  |                    |                 |                  |                  |                  |                   |                  |                     |                                   |   |  |  |
| EPDM                                  | D                 | D               | A  | D   | C                 | A                  | D                                 | B                                  | D                                  | D                | D                                |   | D                    | D                        | D                        |                                   | A  | A   | B                             |                                |         |  | A                                  | B   | C           | C                               | C            |                    |                    |                 |                  |                  |                  |                   |                  |                     |                                   |   |  |  |
| Kalrez <sup>®</sup>                   | A                 | A               | A  | A   | A                 |                    | B                                 | A                                  | A                                  |                  | A                                | A   | A                    | A                        |                          | B                                 | A  | A   | B                             | B                              | A       | A  | A                                  | A   | A           | A                               | A            | A                  | A                  | A               |                  |                  |                  |                   | A                | A                   | A                                 | A |  |  |
| Grafoil <sup>®</sup>                  |                   | A               |  |   |                   |                    |                                   |                                    | A                                  |                  |                                  |   |                      |                          |                          |                                   |  |   |                               |                                |         |  |                                    | A   |             | A                               | A            |                    |                    |                 |                  |                  |                  |                   |                  |                     |                                   |   |  |  |
| Silicone                              | D                 |                 |  | D   | D                 |                    | D                                 |                                    |                                    |                  |                                  | D   | D                    |                          |                          | D                                 | D  |   | D                             |                                |         |  |                                    | A   | B           | C                               |              |                    |                    |                 |                  |                  |                  |                   |                  |                     |                                   |   |  |  |
| Fluorosilicone                        | D                 |                 |  | D   | D                 |                    | B                                 |                                    |                                    |                  |                                  | B   | D                    |                          |                          | B                                 |  |   | D                             |                                | A       |  |                                    |   |             | B                               | C            |                    |                    |                 |                  |                  |                  |                   |                  |                     |                                   |   |  |  |



| Fluid Name               | Chromic Oxide                  | Chromic Phosphate | Chromic Sulfate                                 | Chromium Potassium Sulfate         | Chromyl Chloride                 | Cinnamic Acid                             | Cinnamic Alcohol  | Cinnamic Aldehyde                        | Circo Light Process Oil | Cider          | Citric Acid    | Citrus Juices | City Service 65, 120, 250 | City Service Kool Motor Oil No. 140 | City Service Pacemaker No. 2 | Clay Slurry | Clophene A30, max. +100°C | Clorox (bleach) | Coal Tar | Cobaltous Acetate  | Cobaltous Bromide                     | Cobaltous Chloride                    | Cobaltous Linoleate  | Cobaltous Sulfate | Cocoa | Coca - Cola Syrup | Coconut Oil | Cod Liver Oil | Coffee | Coffee Extracts, Hot | Coke Oven Gas  | Cold Water | Convelex 10 | Cooking Oil | Coolanol | Copper Ammonium Acetate | Copper Acetate  |   |   |   |   |
|--------------------------|--------------------------------|-------------------|---|------------------------------------|----------------------------------|---|---|--|-------------------------|----------------|----------------|---------------|---------------------------|-------------------------------------|------------------------------|-------------|---------------------------|-----------------|----------|--|---------------------------------------|---------------------------------------|--|-------------------|-------|-------------------|-------------|---------------|--------|----------------------|--|------------|-------------|-------------|----------|-------------------------|---|---|---|---|---|
| Formula                  | Cr <sub>2</sub> O <sub>3</sub> | CrPO <sub>4</sub> | Cr <sub>2</sub> (SO <sub>4</sub> ) <sub>3</sub> | CrK(SO <sub>4</sub> ) <sub>2</sub> | CrO <sub>2</sub> Cl <sub>2</sub> | C <sub>6</sub> H <sub>5</sub> CH : CHCOOH | C <sub>6</sub> H <sub>5</sub> CH : CHCH <sub>2</sub> OH | C <sub>6</sub> H <sub>5</sub> CH : CHCHO |                         |                |                |               |                           |                                     |                              |             |                           |                 |          | Co(C <sub>2</sub> H <sub>3</sub> O <sub>2</sub> ) <sub>2</sub> · 4H <sub>2</sub> O | CoBr <sub>2</sub> · 6H <sub>2</sub> O | CoCl <sub>2</sub> · 6H <sub>2</sub> O | Co(C <sub>18</sub> H <sub>31</sub> O <sub>2</sub> ) <sub>2</sub> | CoSO <sub>4</sub> |       |                   |             |               |        |                      | H <sub>2</sub> : CH <sub>4</sub> : N <sub>2</sub> : CO |            |             |             |          |                         | Cu(C <sub>2</sub> H <sub>3</sub> O <sub>2</sub> ) <sub>2</sub> · H <sub>2</sub> O |   |   |   |   |
| Aluminum                 |                                |                   | B   |                                    |                                  |   |   |  |                         | B              | B              | C             |                           |                                     |                              |             |                           |                 |          |  |                                       |                                       |  |                   |       |                   | B           | A             | A      | A                    |  |            |             |             | B        |                         |   | D |   |   |   |
| Brass                    |                                |                   | C   |                                    |                                  |   |   |  |                         |                | C              | B             |                           |                                     |                              |             |                           |                 |          |  |                                       |                                       |  |                   |       |                   | B           | A             | B      | C                    |  |            |             |             | B        |                         |   | D |   |   |   |
| Carbon Steel             |                                |                   |   |                                    |                                  |   |   |  |                         |                | D              | D             |                           |                                     |                              |             | A                         |                 |          |  |                                       |                                       |  |                   |       | B                 | C           |               | C      | B                    | A  |            |             |             | B        |                         |   | D |   |   |   |
| Alloy 600                |                                |                   |   |                                    |                                  |   |   |  |                         |                | A              |               |                           |                                     |                              |             |                           |                 |          |  |                                       |                                       |  |                   |       |                   | A           |               |        | A                    |  |            |             |             |          |                         |   |   | A |   |   |
| Alloy 400/450(Monel®)    |                                |                   | B   |                                    |                                  |   |   |  |                         | A              | B              | B             |                           |                                     |                              |             |                           |                 |          |  |                                       |                                       |  |                   |       |                   | B           | B             | A      | B                    |  |            |             |             | A        |                         |   |   | C |   |   |
| Alloy 20                 |                                |                   | C   |                                    |                                  |   |   |  |                         | B              | A              | A             |                           |                                     |                              |             |                           |                 |          |  |                                       |                                       |  |                   |       |                   | A           | A             | A      | A                    | A  |            |             |             | A        |                         |   |   | A |   |   |
| Alloy C 276 (Hastelloy®) |                                |                   |   |                                    |                                  |   |   |  |                         |                |                |               |                           |                                     |                              |             | A                         |                 |          |  |                                       |                                       |  |                   |       |                   |             | A             | A      |                      |  |            |             |             |          |                         |   |   | B |   |   |
| Titanium                 |                                |                   |   |                                    |                                  |   |   |  |                         |                |                |               |                           |                                     |                              |             |                           |                 |          |  |                                       |                                       |  |                   |       |                   |             | A             |        |                      |  |            |             |             |          |                         |   |   |   | A |   |
| Cast Iron                |                                |                   | D   |                                    |                                  |   |   |  |                         |                | D              | D             |                           |                                     |                              |             |                           |                 |          |  |                                       |                                       |  |                   |       |                   |             | C             | D      | C                    | B  |            |             |             |          | B                       |   |   | D |   |   |
| 316 Stainless Steel      |                                |                   | B   |                                    |                                  |   |   |  |                         | A              | C              | B             |                           |                                     |                              |             |                           |                 |          |  |                                       |                                       |  |                   |       |                   | A           | A             | A      | A                    | A  |            |             |             |          | A                       |   |   |   | A |   |
| 630 Stainless steel      |                                |                   |   |                                    |                                  |   |   |  |                         |                |                | C             |                           |                                     |                              |             |                           |                 |          |  |                                       |                                       |  |                   |       |                   |             |               |        |                      |  |            |             |             |          |                         |   |   |   |   |   |
| Carpenter 20®            |                                |                   | C   |                                    |                                  |   |   |  |                         | B              | A              | A             |                           |                                     |                              |             |                           |                 |          |  |                                       |                                       |  |                   |       |                   | A           | A             | A      | A                    | A  | A          |             |             |          | A                       |   |   |   | A |   |
| PTFE/PFA (Teflon®)       | A                              | A                 | B   |                                    |                                  |   |   | A  | A                       | A              | A              | A             | A                         | A                                   | A                            | A           | A                         | A               | A        | A  | A                                     | A                                     | A  | A                 | A     | A                 | A           | A             | A      | B                    | A  | A          | A           | A           | B        | A                       | A   | A | A |   |   |
| Nylon                    |                                |                   |   |                                    |                                  |   |   |  |                         |                | D              |               |                           |                                     |                              |             |                           |                 |          |  |                                       |                                       |  |                   |       |                   |             |               |        | D                    | C  |            |             |             |          |                         |   |   |   |   |   |
| Polyethylen(PE)          |                                |                   |   |                                    |                                  |   |   |  |                         |                | D              |               |                           |                                     |                              |             |                           |                 |          |  |                                       |                                       |  |                   |       |                   |             |               |        |                      |  |            |             |             |          |                         |   |   |   |   |   |
| POM (Delrin®)            |                                |                   | C   |                                    |                                  |   |   |  |                         | A              | A              | A             |                           |                                     |                              |             | B                         |                 |          |  |                                       |                                       |  |                   |       | A                 | A           | A             | A      | A                    | D  | A          |             |             | A        |                         |   |   | D |   |   |
| PCTFE (Kel-F®)           |                                |                   |   |                                    |                                  |   |   |  |                         |                |                |               |                           |                                     |                              |             |                           |                 |          |  |                                       |                                       |  |                   |       |                   |             |               |        |                      |  |            |             |             |          |                         |   |   |   |   |   |
| PEEK                     |                                |                   | A   |                                    |                                  |   |   |  |                         | A              | A              | A             |                           |                                     |                              |             |                           |                 |          |  |                                       |                                       |  |                   |       |                   | A           | A             | A      | A                    | A  |            |             |             |          | A                       |   |   |   | A |   |
| PVDF                     |                                |                   |   |                                    | A                                |   |   |  |                         |                | A              |               |                           |                                     |                              |             |                           |                 |          |  |                                       |                                       |  |                   |       |                   |             |               | A      |                      |  |            |             |             |          |                         |   |   |   |   |   |
| UHMWPE                   |                                |                   |   |                                    |                                  |   |   |  |                         | B              | D              |               |                           |                                     |                              |             |                           |                 |          |  |                                       |                                       |  |                   |       |                   | A           | A             | A      |                      |  |            |             |             |          |                         |   |   |   |   |   |
| TPE                      |                                |                   |   |                                    |                                  |   |   |  |                         | B <sup>1</sup> | A <sup>1</sup> |               |                           |                                     |                              |             |                           |                 |          |  |                                       |                                       |  |                   |       |                   |             |               |        |                      |  |            |             |             |          |                         |   |   |   |   |   |
| Poly Acrylate            |                                |                   |   |                                    |                                  |   |   |  |                         | D              |                |               |                           |                                     |                              |             |                           |                 | D        |  |                                       |                                       |  |                   |       |                   |             | D             | A      |                      |  | D          | D           |             |          |                         |   |   | D | D |   |
| Poly Urethane            |                                |                   |   |                                    |                                  |   |   |  |                         | D              |                |               |                           |                                     |                              | A           |                           |                 | D        |  |                                       |                                       |  |                   |       |                   | B           | B             | A      |                      | D  | D          |             |             |          |                         |   |   | D | D |   |
| NBR                      | D                              | B                 | B   |                                    |                                  |   |   | A  | A                       | A              | A              | A             | A                         | A                                   | A                            | C           | B                         | A               |          |  | A                                     |                                       |  |                   |       | A                 | A           | A             | A      | A                    | A  | D          | A           | D           | A        | D                       | A   | A | D | B |   |
| FPM (Viton®)             | A                              | B                 | A   |                                    |                                  |   |   | A  | B                       | A              | A              | A             | A                         | A                                   | B                            | A           | A                         | A               |          |  | A                                     |                                       |  |                   |       | C                 | B           | A             | A      | A                    | A  | A          | A           | A           | A        | A                       | A   | A | A | D | D |
| Neoprene                 |                                | B                 |   |                                    |                                  |   |   |  | B                       | A              | A              |               |                           |                                     | A                            |             |                           |                 |          |  |                                       |                                       |  |                   |       | B                 | B           | B             | A      | A                    | D  |            |             |             |          | B                       |   |   | C | C |   |
| EPDM                     | B                              | B                 | B   |                                    |                                  |   |   | D  | A                       | A              |                | D             | D                         | D                                   | A                            |             | B                         | D               |          |  | A                                     |                                       |  |                   |       | D                 | A           | C             | A      | A                    | A  | D          | A           | C           | D        | D                       | A   | A |   |   |   |
| Kalrez®                  | A                              | A                 | A   | A                                  | A                                | A   | A   | A  |                         | A              |                | A             | A                         | A                                   |                              |             | A                         | A               | A        | A  | A                                     | A                                     | A  | A                 |       |                   | A           | A             |        |                      |  |            |             |             | A        |                         |   |   |   | A |   |
| Grafoil®                 |                                | A                 |   |                                    |                                  |   |   |  |                         | A              | A              | A             |                           |                                     |                              |             |                           |                 |          |  |                                       |                                       |  |                   |       |                   | A           | A             | A      | A                    | A  |            |             |             |          | A                       |   |   |   |   | A |
| Silicone                 |                                |                   |   |                                    |                                  |   |   | D  | B                       | A              |                | D             | D                         | D                                   | C                            |             | B                         | D               |          |  |                                       |                                       |  |                   |       | D                 | A           | A             | B      |                      | A  | B          |             | D           |          |                         |   | D | D | D |   |
| Fluorosilicone           |                                |                   |   |                                    |                                  |   |   | A  | A                       | A              |                | A             | A                         | A                                   | C                            |             | B                         | D               |          |  |                                       |                                       |  |                   |       | A                 | A           | A             | A      |                      | A  | B          |             |             |          |                         |   | A | D | D |   |

| Fluid Name               | Copper Carbonate |                | Copper Chloride | Copper Cyanide            | Copper Gluconate | Copper Fluoborate | Copper Naphthenate | Copper Nitrate | Copper Plating Solution | Copper Salts   | Copper Sulfate | Copper Sulfate 5% | Copper Sulfate > 5% | Corn Oil | Corn Starch Slurry | Corn Syrup | Cottonseed Oil | Cream | Cresote Oil | Cresote - Coal Tar | Cresol | Cresois Cresylic Acid | Cresylic Acid    | Crotonaldehyde    | Crotonic Acid | Crude Oil | Crude Oil, Sour | Crude Oil, Sweet   | Cumene               | Cumene Hydroperoxide  | Cuminic Aldehyde | Cupric Nitrate | Cupric Sulfate | Cutting Oils, Water Emulsions | Cyanamide | Cyanide      | Cyanoacetic Acid | Cyanogen Chloride |   |   |   |   |  |  |
|--------------------------|------------------|----------------|-----------------|---------------------------|------------------|-------------------|--------------------|----------------|-------------------------|----------------|----------------|-------------------|---------------------|----------|--------------------|------------|----------------|-------|-------------|--------------------|--------|-----------------------|------------------|-------------------|---------------|-----------|-----------------|--------------------|----------------------|-----------------------|------------------|----------------|----------------|-------------------------------|-----------|--------------|------------------|-------------------|---|---|---|---|--|--|
| Formula                  | $Cu_2(OH)_2CO_3$ | $CuCl_2$       | $Cu(CN)$        | $(Cu_2OH(CHOH)_4COO)_2Cu$ |                  |                   | $Cu(NO_3)_2$       |                |                         | $CuSO_4$       |                |                   |                     |          |                    |            |                |       |             | $CH_3C_6H_4OH$     |        |                       | $CH_3CH : CHCHO$ | $CH_3CH : CHCOOH$ |               |           |                 | $C_6H_5CH(CH_3)_2$ | $C_6H_5C(CH_3)_2OOH$ | $(CH_3)_2CHC_6H_4CHO$ |                  |                |                | HN : C : NH                   |           | $CNCH_2COOH$ | CNCl             |                   |   |   |   |   |  |  |
| Aluminum                 | D                | D              | D               |                           |                  |                   | D                  |                | D                       |                | D              |                   | D                   |          | B                  | B          |                |       |             |                    |        |                       | C                |                   |               | B         | B               | A                  |                      |                       |                  | D              |                |                               |           |              |                  |                   |   |   |   |   |  |  |
| Brass                    |                  | D              | D               |                           |                  |                   | D                  |                | D                       |                | D              |                   | B                   |          | B                  | B          |                |       |             |                    |        |                       | C                |                   |               |           | A               | C                  | B                    |                       |                  |                |                |                               |           |              | A                |                   | D |   |   |   |  |  |
| Carbon Steel             |                  | D              |                 |                           |                  |                   | D                  |                | D                       |                | D              |                   | C                   |          | C                  | B          |                |       |             |                    |        |                       | C                |                   |               |           | A               | B                  | B                    |                       |                  |                |                |                               |           |              | B                |                   |   |   |   |   |  |  |
| Alloy 600                |                  |                |                 |                           |                  |                   | D                  |                | B                       |                | B              |                   |                     |          |                    |            |                |       |             | A                  |        |                       |                  |                   |               |           |                 |                    |                      |                       |                  |                |                |                               |           |              |                  |                   |   |   |   |   |  |  |
| Alloy 400/450(Monel®)    |                  | B              | C               |                           |                  |                   | D                  |                | C                       |                | D              |                   | D                   |          | B                  | B          |                |       |             |                    |        |                       | B                |                   |               |           |                 | B                  | A                    |                       |                  |                |                | D                             |           |              |                  |                   | D |   |   |   |  |  |
| Alloy 20                 | A                | A              | A               |                           |                  |                   | B                  |                | B                       |                | B              |                   | B                   |          | B                  | A          | B              |       |             |                    |        | B                     |                  |                   |               |           |                 | A                  | A                    |                       |                  |                |                | A                             |           | A            |                  | B                 |   |   |   |   |  |  |
| Alloy C 276 (Hastelloy®) |                  | A              |                 | B                         |                  |                   | B                  |                | A                       | A              | A              |                   |                     |          |                    |            |                |       |             | B                  | B      |                       | B                |                   |               |           |                 |                    |                      |                       |                  |                |                |                               |           |              |                  |                   |   |   |   |   |  |  |
| Titanium                 |                  |                |                 |                           |                  |                   | A                  |                | B                       |                |                |                   |                     |          |                    |            |                |       |             |                    |        |                       |                  |                   |               |           |                 |                    |                      |                       |                  |                |                |                               |           |              |                  |                   |   |   |   |   |  |  |
| Cast Iron                |                  |                | D               |                           |                  |                   | D                  |                | D                       |                | D              |                   | C                   |          | C                  | B          |                |       |             |                    |        |                       | D                |                   |               |           |                 | C                  | B                    |                       |                  |                |                |                               |           |              |                  | B                 |   | D |   |   |  |  |
| 316 Stainless Steel      |                  | D              | A               |                           |                  |                   | B                  |                | B                       |                | B              |                   | A                   |          | B                  | B          | B              |       |             |                    |        | B                     |                  |                   |               |           | A               | A                  | A                    |                       |                  |                | A              |                               | A         |              | A                |                   | B |   |   |   |  |  |
| 630 Stainless steel      |                  |                |                 |                           |                  |                   |                    |                | B                       |                |                |                   |                     |          |                    |            |                |       |             |                    |        |                       |                  |                   |               |           |                 |                    |                      |                       |                  |                |                |                               |           |              |                  |                   |   |   |   |   |  |  |
| Carpenter 20®            | A                | A              | A               |                           |                  |                   | B                  |                | B                       |                | B              |                   | B                   |          | B                  | A          | B              |       |             |                    |        | B                     |                  |                   |               |           | A               | A                  |                      |                       |                  |                | A              |                               | A         |              | B                |                   |   |   |   |   |  |  |
| PTFE/PFA (Teflon®)       | A                | A              | A               |                           |                  |                   | A                  |                | A                       | A              | A              | A                 | A                   |          | A                  | A          | A              | A     | A           | A                  | A      | A                     | A                |                   |               | A         |                 |                    |                      | C                     |                  |                |                | A                             |           | A            |                  |                   |   |   |   | C |  |  |
| Nylon                    |                  | D              |                 |                           |                  |                   | D                  |                | A                       |                | D              |                   |                     |          |                    |            |                |       |             |                    |        |                       |                  |                   |               |           |                 |                    |                      |                       |                  |                |                |                               |           |              |                  |                   |   |   |   |   |  |  |
| Polyethylen(PE)          |                  |                |                 |                           |                  |                   | B                  |                |                         |                |                |                   |                     |          |                    |            |                |       |             |                    |        |                       |                  |                   |               |           |                 |                    |                      |                       |                  |                |                |                               |           |              |                  |                   |   |   |   |   |  |  |
| POM (Delrin®)            | A                | A              | A               |                           |                  |                   | A                  |                | A                       |                | A              |                   | A                   |          | A                  | D          | D              | D     | D           | D                  | D      | D                     |                  |                   |               | A         | A               | A                  |                      |                       |                  |                | D              |                               | A         |              | D                |                   |   |   |   |   |  |  |
| PCTFE (Kel-F®)           |                  |                |                 |                           |                  |                   |                    |                |                         |                |                |                   |                     |          |                    |            |                |       |             |                    |        | A                     |                  |                   |               |           |                 |                    |                      |                       |                  |                |                |                               |           |              |                  |                   |   |   |   |   |  |  |
| PEEK                     | A                | A              |                 |                           |                  |                   | A                  |                | A                       |                | A              |                   | A                   |          | A                  | A          | A              | A     | A           | A                  | A      | A                     | A                |                   |               |           |                 | A                  | A                    |                       |                  |                | A              |                               | A         |              | A                |                   |   |   |   |   |  |  |
| PVDF                     | A                | A              |                 |                           |                  |                   | A                  |                | A                       |                | A              |                   | A                   |          | A                  |            |                |       |             |                    |        | B                     |                  |                   |               |           |                 |                    |                      |                       |                  |                |                |                               |           |              |                  |                   |   |   |   |   |  |  |
| UHMWPE                   |                  |                | B               |                           |                  |                   | B                  |                | A                       | A              | A              | A                 |                     |          | A                  | D          | D              | D     | B           |                    |        |                       |                  |                   |               |           |                 |                    |                      |                       |                  |                |                |                               |           |              |                  |                   |   |   |   |   |  |  |
| TPE                      |                  | A <sup>1</sup> |                 |                           |                  |                   |                    |                | A <sup>1</sup>          | A <sup>1</sup> |                |                   |                     |          |                    |            |                |       |             |                    | D      |                       |                  |                   |               |           |                 |                    |                      |                       |                  |                |                |                               |           |              |                  |                   |   |   |   |   |  |  |
| Poly Acrylate            |                  | D              |                 |                           |                  |                   |                    | D              | D                       |                | A              | D                 | D                   | A        | D                  | A          | D              |       |             |                    |        | D                     |                  | D                 | A             |           |                 |                    | D                    |                       |                  |                |                |                               |           |              |                  |                   |   |   |   |   |  |  |
| Poly Urethane            |                  | B              |                 |                           |                  |                   |                    | D              | D                       |                | A              | B                 | B                   | A        | D                  | A          | D              |       |             |                    |        | A                     |                  | D                 |               | B         |                 |                    | D                    |                       |                  |                |                |                               |           |              |                  |                   |   |   |   |   |  |  |
| NBR                      |                  | A              | A               | B                         |                  |                   | A                  | B              | A                       | A              | A              | A                 | A                   | A        | A                  | A          | A              | A     | A           | A                  | A      | D                     | D                | D                 | D             | D         | A               | A                  | A                    | D                     |                  |                |                |                               | A         | A            |                  | B                 |   | D |   |   |  |  |
| FPM (Viton®)             |                  | A              | A               | A                         |                  |                   | A                  | A              | A                       | A              | A              | A                 | A                   | A        | A                  | A          | A              | A     | A           | A                  | A      | B                     | A                | A                 | D             | D         | A               | A                  | A                    | A                     |                  |                |                |                               | A         | A            |                  | B                 |   | B |   |   |  |  |
| Neoprene                 |                  | B              | A               |                           |                  |                   | A                  | A              | A                       |                | C              | B                 | B                   | C        | D                  | D          | D              | D     | D           | D                  | D      | D                     | D                | D                 | D             | C         | B               | B                  | D                    |                       |                  |                |                |                               |           |              | B                |                   | B |   |   |   |  |  |
| EPDM                     |                  | A              | A               |                           |                  |                   | B                  | A              | A                       | A              |                | C                 | A                   | A        | C                  | D          | D              | D     | A           | D                  | D      | A                     | D                | A                 | B             | D         | D               |                    | D                    |                       |                  |                |                |                               | A         | D            |                  | B                 |   | C |   |   |  |  |
| Kalrez®                  | A                | A              | A               | A                         |                  |                   | A                  | A              | A                       | A              |                | A                 |                     | A        |                    | A          | A              | A     | A           | A                  | A      | A                     | A                | A                 | A             | A         | A               |                    | A                    | A                     | A                |                |                |                               | A         | A            | A                | A                 | A | A | A |   |  |  |
| Grafoil®                 | A                |                | A               |                           |                  |                   | B                  |                | A                       |                | A              |                   | A                   |          | A                  |            | A              |       |             |                    |        | A                     |                  |                   |               |           |                 | A                  | A                    |                       |                  |                |                | B                             |           | A            |                  |                   |   |   |   |   |  |  |
| Silicone                 |                  | A              | A               |                           |                  |                   | C                  | A              | A                       |                | A              | B                 | A                   | A        | D                  | D          | D              | D     | D           | D                  | D      | D                     | D                | D                 | D             | D         |                 |                    | D                    |                       |                  |                |                |                               |           |              |                  |                   |   |   |   |   |  |  |
| Fluorosilicone           |                  | A              | A               |                           |                  |                   | C                  | A              | A                       |                | A              | A                 | A                   | A        | A                  | A          | B              | B     | B           | B                  | B      | B                     | B                | D                 | D             | B         |                 |                    | C                    |                       |                  |                |                |                               |           |              |                  |                   |   |   |   |   |  |  |

| Fluid Name               | Cyanohydrin | Cyanuric Chloride | Cuprous Ammonia Acetate Solution | Cyanic Acid Solution | Cyanic Compounds | Cyanogen | Cyclohexane    | Cyclohexanol  | Cyclohexanone | Cyclohexene | Cyclohexylamine | Cyclohexadiene | Cyclopentane | Cyclopropane | p - Cymene             |
|--------------------------|-------------|-------------------|----------------------------------|----------------------|------------------|----------|----------------|---------------|---------------|-------------|-----------------|----------------|--------------|--------------|------------------------|
| Formula                  |             | $C_3N_3Cl_3$      |                                  |                      |                  |          | $C_6H_{12}$    | $C_6H_{11}OH$ | $C_6H_{10}O$  | $C_6H_{10}$ | $C_6H_{11}NH_2$ | $C_5H_6$       | $C_5H_{10}$  | $C_3H_6$     | $CH_3C_6H_4CH(CH_3)_2$ |
| Aluminum                 |             |                   |                                  |                      |                  |          | A              |               | B             |             |                 |                |              |              |                        |
| Brass                    |             |                   |                                  |                      |                  |          | A              |               | B             |             |                 |                |              |              |                        |
| Carbon Steel             |             |                   |                                  |                      |                  |          | A              |               |               |             |                 |                |              |              |                        |
| Alloy 600                |             |                   |                                  |                      |                  |          |                |               |               |             |                 |                |              |              |                        |
| Alloy 400/450(Monel®)    |             |                   |                                  |                      |                  |          | B              |               | B             |             |                 |                |              |              |                        |
| Alloy 20                 |             |                   |                                  |                      |                  |          | A              |               | A             |             |                 |                |              |              |                        |
| Alloy C 276 (Hastelloy®) |             |                   |                                  |                      |                  |          | B              |               | B             |             |                 |                |              |              |                        |
| Titanium                 |             |                   |                                  |                      |                  |          |                |               |               |             |                 |                |              |              |                        |
| Cast Iron                |             |                   |                                  |                      |                  |          | A              |               |               |             |                 |                |              |              |                        |
| 316 Stainless Steel      |             |                   |                                  |                      |                  |          | A              |               | A             |             |                 |                |              |              |                        |
| 630 Stainless steel      |             |                   |                                  |                      |                  |          |                |               |               |             |                 |                |              |              |                        |
| Carpenter 20®            |             |                   |                                  |                      |                  |          | A              |               | A             |             |                 |                |              |              |                        |
| PTFE/PFA (Teflon®)       |             |                   |                                  |                      |                  |          | B              | A             | C             |             |                 |                |              |              |                        |
| Nylon                    |             |                   |                                  |                      |                  |          | A              |               | A             |             |                 |                |              |              |                        |
| Polyethylen(PE)          |             |                   |                                  |                      |                  |          |                |               |               |             |                 |                |              |              |                        |
| POM (Delrin®)            |             |                   |                                  |                      |                  |          | A              |               | A             |             |                 |                |              |              |                        |
| PCTFE (Kel-F®)           |             |                   |                                  |                      |                  |          |                |               | A             |             |                 |                |              |              |                        |
| PEEK                     |             |                   |                                  |                      |                  |          | A              |               | A             |             |                 |                |              |              |                        |
| PVDF                     |             |                   |                                  |                      |                  |          | A              | A             | C             |             |                 |                |              |              |                        |
| UHMWPE                   |             |                   |                                  |                      |                  |          | C              |               | D             |             |                 |                |              |              |                        |
| TPE                      |             |                   |                                  |                      |                  |          | A <sup>1</sup> |               |               |             |                 |                |              |              |                        |
| Poly Acrylate            |             |                   | D                                | D                    | D                | D        | B              |               |               |             | D               |                |              |              |                        |
| Poly Urethane            |             |                   | D                                | D                    | D                | D        | A              |               |               |             | D               |                |              |              |                        |
| NBR                      |             |                   | D                                | D                    | D                | D        | A              | A             | D             |             | D               |                |              |              | D                      |
| FPM (Viton®)             |             |                   | D                                | D                    | D                | D        | A              | A             | D             |             | D               |                |              |              | A                      |
| Neoprene                 |             |                   | D                                | D                    | D                | D        | C              |               | D             |             | D               |                |              |              |                        |
| EPDM                     |             | D                 | A                                | A                    | A                | A        | D              | D             | B             |             | A               |                |              |              | D                      |
| Kalrez®                  | A           | A                 |                                  |                      |                  |          | A              | A             | B             | A           | A               | A              | A            | A            | A                      |
| Grafoil®                 |             |                   |                                  |                      |                  |          | A              |               | A             |             |                 |                |              |              |                        |
| Silicone                 |             |                   | D                                | D                    | D                | D        | D              | D             | D             |             | D               |                |              |              | D                      |
| Fluorosilicone           |             |                   | C                                | D                    | D                | D        | A              | A             | D             |             | C               |                |              |              | B                      |

# [ Fluid Compatibility Guide - D ]

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| Fluid Name               | 2, 4 - D                | DC 200,510,550,710 (Silicone Oils) | DDT (Dichlorodiphenyltrichloroethane) | DDT Solutions (Toluene Solvent) | DDT Solutions (Kerosene Solvent) | Dead Oil | Decahydronaphthalene | n - Decane         | Deionized Water | Delco Brake Fluid | Desmophen | Detergents, synthetic | Developing Fluids | Dextron | Diacetone | Diacetone Alcohol (Diacetol) | Diallyl Phthalate (DAP)      | Diamylamine       | Diazinon                                       | Dibenzyl Ether          | Dibenzyl Sebacate                    | Diborane | Dibromodifluoromethane | Dibromoethylbenzene | Dibromotetrafluoroethane (FC 114B2) | Dibutyl Cellosolve Acipate | Dibutyl Ether          | Dibutyl Phthalate | Dibutyl tert - Peroxide | Dibutyl Phthalate (DBP) | Dibutyl Sebacate | n - Dibutylamine         | Dicapryl Phthalate | Dichloroacetic Acid | 3, 4 - Dichloroaniline | o - Dichlorobenzene | p - Dichlorobenzene |   |   |   |
|--------------------------|-------------------------|------------------------------------|---------------------------------------|---------------------------------|----------------------------------|----------|----------------------|--------------------|-----------------|-------------------|-----------|-----------------------|-------------------|---------|-----------|------------------------------|------------------------------|-------------------|--|-------------------------|--------------------------------------|----------|------------------------|---------------------|-------------------------------------|----------------------------|------------------------|-------------------|-------------------------|-------------------------|------------------|--------------------------|--------------------|---------------------|------------------------|---------------------|---------------------|---|---|---|
| Formula                  | $C_{12}C_6H_3OCH_2COOH$ |                                    | $(ClC_6H_4)_2CHCCl_3$                 |                                 |                                  |          | $C_{10}H_{18}$       | $CH_3(CH_2)_8CH_3$ | $H_2O$          |                   |           |                       |                   |         |           | $CH_3COCH_2C(CH_3)_2OH$      | $C_6H_4(COOCH_2CH : CH_2)_2$ | $(C_5H_{11})_2NH$ | $[C(CH_3)_2CNC_6H_5(CH_3)_2]_2PS(O)_2C_2H_5_2$ | $C_6H_5CH_2OCH_2C_8H_5$ | $C_6H_5CH_2OOC(CH_2)_8COOCH_2C_8H_5$ | $B_2H_6$ | $CF_2Br_2$             |                     | $(CBrF_2)_2$                        |                            | $(CH_3)_3COOC(CH_3)_3$ |                   |                         |                         | $(C_4H_9)_2NH$   | $(C_8H_{17}OOC)_2C_6H_4$ | $CHCl_2COOH$       | $C_6H_5NH_2Cl_2$    | $C_6H_4Cl_2$           | $C_6H_4Cl_2$        |                     |   |   |   |
| Aluminum                 |                         |                                    |                                       |                                 |                                  |          |                      |                    |                 |                   |           | B                     |                   |         |           |                              |                              |                   |  |                         |                                      |          |                        |                     |                                     |                            |                        |                   |                         |                         |                  |                          |                    |                     |                        |                     |                     |   |   |   |
| Brass                    |                         |                                    |                                       |                                 |                                  |          |                      |                    |                 |                   |           | B                     |                   |         |           |                              |                              |                   |  |                         |                                      |          |                        |                     |                                     |                            |                        |                   |                         |                         |                  |                          |                    |                     |                        |                     |                     |   |   |   |
| Carbon Steel             |                         |                                    |                                       |                                 |                                  |          |                      |                    |                 |                   | A         |                       |                   |         |           |                              |                              |                   |  |                         |                                      |          |                        |                     |                                     |                            |                        |                   |                         |                         |                  |                          |                    |                     |                        |                     |                     |   |   |   |
| Alloy 600                |                         |                                    |                                       |                                 |                                  |          |                      |                    |                 |                   |           |                       |                   |         |           |                              |                              |                   |  |                         |                                      |          |                        |                     |                                     |                            |                        |                   |                         |                         |                  |                          |                    |                     |                        |                     |                     |   |   |   |
| Alloy 400/450(Monel®)    |                         |                                    |                                       |                                 |                                  |          |                      |                    |                 |                   |           | B                     |                   |         |           |                              |                              |                   |  |                         |                                      |          |                        |                     |                                     |                            |                        |                   |                         |                         |                  |                          |                    |                     |                        |                     |                     |   |   |   |
| Alloy 20                 |                         |                                    |                                       |                                 |                                  |          |                      |                    |                 |                   |           | A                     |                   |         |           |                              |                              |                   |  |                         |                                      |          |                        |                     |                                     |                            |                        |                   |                         |                         |                  |                          |                    |                     |                        |                     |                     |   |   |   |
| Alloy C 276 (Hastelloy®) |                         |                                    |                                       |                                 |                                  |          |                      |                    |                 |                   |           | B                     |                   |         |           |                              |                              |                   |  |                         |                                      |          |                        |                     |                                     |                            |                        |                   |                         |                         |                  |                          |                    |                     |                        |                     |                     |   |   |   |
| Titanium                 |                         |                                    |                                       |                                 |                                  |          |                      |                    |                 |                   |           |                       |                   |         |           |                              |                              |                   |  |                         |                                      |          |                        |                     |                                     |                            |                        |                   |                         |                         |                  |                          |                    |                     |                        |                     |                     |   |   |   |
| Cast Iron                |                         |                                    |                                       |                                 |                                  |          |                      |                    |                 |                   |           | B                     |                   |         |           |                              |                              |                   |  |                         |                                      |          |                        |                     |                                     |                            |                        |                   |                         |                         |                  |                          |                    |                     |                        |                     |                     |   |   |   |
| 316 Stainless Steel      |                         |                                    |                                       |                                 |                                  |          |                      |                    |                 |                   |           | B                     |                   |         |           |                              |                              |                   |  |                         |                                      |          |                        |                     |                                     |                            |                        |                   |                         |                         |                  |                          |                    |                     |                        |                     |                     |   |   |   |
| 630 Stainless steel      |                         |                                    |                                       |                                 |                                  |          |                      |                    |                 |                   |           |                       |                   |         |           |                              |                              |                   |  |                         |                                      |          |                        |                     |                                     |                            |                        |                   |                         |                         |                  |                          |                    |                     |                        |                     |                     |   |   |   |
| Carpenter 20®            |                         |                                    |                                       |                                 |                                  |          |                      |                    |                 |                   |           | A                     |                   |         |           |                              |                              |                   |  |                         |                                      |          |                        |                     |                                     |                            |                        |                   |                         |                         |                  |                          |                    |                     |                        |                     |                     |   |   |   |
| PTFE/PFA (Teflon®)       |                         |                                    |                                       |                                 |                                  |          | A                    | B                  | A               | A                 | A         | A                     | A                 | A       | D         |                              |                              | D                 | C  | A                       |                                      |          |                        | D                   | D                                   |                            | D                      |                   |                         | B                       | B                | B                        |                    |                     |                        |                     |                     | D | C |   |
| Nylon                    |                         |                                    |                                       |                                 |                                  |          |                      |                    |                 |                   |           |                       |                   |         |           |                              |                              |                   |  |                         |                                      |          |                        |                     |                                     |                            |                        |                   |                         |                         |                  |                          |                    |                     |                        |                     |                     |   |   |   |
| Polyethylen(PE)          |                         |                                    |                                       |                                 |                                  |          |                      |                    |                 |                   |           |                       |                   |         |           |                              |                              |                   |  |                         |                                      |          |                        |                     |                                     |                            |                        |                   |                         |                         |                  |                          |                    |                     |                        |                     |                     |   |   |   |
| POM (Delrin®)            |                         |                                    |                                       |                                 |                                  |          |                      |                    |                 |                   |           | A                     |                   |         |           |                              |                              |                   |  |                         |                                      |          |                        |                     |                                     |                            |                        |                   |                         |                         |                  |                          |                    |                     |                        |                     |                     |   |   |   |
| PCTFE (Kel-F®)           |                         |                                    |                                       |                                 |                                  |          |                      |                    |                 |                   |           |                       |                   |         |           |                              |                              |                   |  |                         |                                      |          |                        |                     |                                     |                            |                        |                   |                         |                         |                  |                          |                    |                     |                        |                     |                     |   |   |   |
| PEEK                     |                         |                                    |                                       |                                 |                                  |          |                      |                    |                 |                   |           | A                     |                   |         |           |                              |                              |                   |  |                         |                                      |          |                        |                     |                                     |                            |                        |                   |                         |                         |                  |                          |                    |                     |                        |                     |                     |   |   |   |
| PVDF                     |                         |                                    |                                       |                                 |                                  |          |                      |                    |                 |                   |           |                       |                   |         |           |                              |                              |                   |  |                         |                                      |          |                        |                     |                                     |                            |                        | A                 | C                       |                         |                  |                          |                    |                     |                        |                     |                     | A |   |   |
| UHMWPE                   |                         |                                    |                                       |                                 |                                  |          |                      |                    |                 |                   |           | D                     |                   |         | A         |                              |                              |                   |  |                         |                                      |          |                        |                     |                                     |                            |                        |                   |                         |                         |                  |                          |                    |                     |                        |                     |                     |   |   |   |
| TPE                      |                         |                                    |                                       |                                 |                                  |          |                      |                    |                 |                   |           |                       |                   |         |           |                              |                              |                   |  |                         |                                      |          |                        |                     |                                     |                            |                        |                   |                         |                         |                  |                          |                    |                     |                        |                     |                     |   |   |   |
| Poly Acrylate            | B                       | D                                  | B                                     | A                               |                                  |          |                      |                    |                 |                   |           |                       |                   |         | D         | D                            |                              |                   |  |                         |                                      |          |                        |                     |                                     | D                          | C                      | D                 |                         |                         |                  |                          |                    |                     |                        |                     |                     |   |   |   |
| Poly Urethane            | B                       | D                                  | B                                     | B                               |                                  |          |                      |                    |                 |                   |           |                       |                   |         | D         | D                            |                              |                   |  |                         |                                      |          |                        |                     |                                     | D                          | D                      | C                 |                         |                         |                  |                          |                    |                     |                        |                     |                     |   |   |   |
| NBR                      | B                       | D                                  | D                                     | A                               | A                                | D        | A                    | B                  | C               | C                 | A         | A                     | A                 | D       | D         | D                            | C                            | D                 | D  |                         |                                      |          | D                      | D                   | B                                   | D                          | D                      | D                 |                         | D                       | D                | D                        | D                  | D                   | D                      |                     | D                   | D |   |   |
| FPM (Viton®)             | A                       | A                                  | A                                     | A                               | A                                | A        | A                    | A                  | D               | C                 | A         | A                     | A                 | D       | D         | D                            | B                            | D                 | B  |                         |                                      |          | A                      | B                   | D                                   | D                          | C                      |                   | B                       | A                       | D                | B                        |                    |                     | C                      | A                   | A                   |   |   |   |
| Neoprene                 | B                       | D                                  | C                                     | C                               |                                  |          |                      |                    |                 |                   | B         |                       |                   |         | B         | D                            |                              |                   |  |                         |                                      |          |                        |                     |                                     | D                          | D                      | D                 |                         |                         |                  |                          |                    |                     |                        |                     |                     |   |   |   |
| EPDM                     | B                       | D                                  | D                                     | D                               | D                                | D        | B                    | A                  |                 |                   | A         | B                     | D                 | A       | A         | A                            | D                            | B                 | B  |                         |                                      |          | B                      | D                   | D                                   | A                          | C                      | A                 |                         | B                       | B                | D                        | B                  |                     |                        |                     | D                   | D |   |   |
| Kalrez®                  | A                       |                                    | A                                     |                                 |                                  | A        | A                    | A                  | A               |                   | A         | A                     | A                 | A       | A         | A                            | A                            | A                 | A  | A                       | A                                    | A        | A                      | A                   | B                                   |                            | A                      |                   | A                       | A                       | A                | A                        | A                  | A                   | A                      | A                   | A                   | A | A | A |
| Grafoil®                 |                         |                                    |                                       |                                 |                                  |          |                      |                    |                 |                   | A         |                       |                   |         |           |                              |                              |                   |  |                         |                                      |          |                        |                     |                                     |                            |                        |                   |                         |                         |                  |                          |                    |                     |                        |                     |                     |   |   |   |
| Silicone                 | D                       | D                                  | D                                     | D                               | D                                | D        | B                    |                    | C               |                   | A         | A                     | D                 |         | D         | D                            |                              |                   |  |                         |                                      |          | D                      | D                   | D                                   | D                          | D                      | D                 |                         | B                       | B                | C                        | C                  |                     |                        |                     | D                   | D |   |   |
| Fluorosilicone           | A                       | A                                  | A                                     | A                               | A                                | A        | A                    |                    | D               |                   | A         | A                     | B                 | D       | D         |                              |                              |                   |  |                         |                                      |          |                        | B                   |                                     | D                          | C                      | C                 |                         | C                       | B                | D                        | B                  |                     |                        |                     |                     | B | B |   |

| Fluid Name               | Dichlorobenzene                                    | Dichlorobutane                                 | Dichlorobutene                                | Dichlorodimethyl Sulfide | Dichlorodifluoromethane (FC 12) | Dichloroethane              | Dichloroethyl Ether        | Dichloroethylene                        | Dichlorofluoroethane (FC 141b)                           | Dichlorofluoroethane (FC 21)               | Dichlorohydrin                         | Dichloroisopropyl Ether | Dichlorophenol             | Dichloro Pentane                       | Dichloropropene                          | Dichlorosilane | Dichlorotetrafluoroethane (FC 114) | Dichlorotrifluoroethane (FC 123) | Dicyclohexylamine | Dieldrin (HEOD) | Diesel Oil Fuels | Diester Lubricant (MIL - L - 7808) | Diester Synthetic Lubricating Oils | Diethanolamine (DEA)                    | Diethylamine                        | Diethyl Aniline | n, n - Diethylaniline                           | Diethyl Benzene                                | Diethyl Carbonate                     | Diethyl Formaldehyde | Diethyl Hydrazine | Diethyl Maleate | Diethyl Sulfate | Diethylene Triamine                                       | Diethylene Glycol   | Diethylene Glycol Butyl Ether  | Diethylene Glycol Methyl Ether |   |   |
|--------------------------|--|--|---|--------------------------|---------------------------------|-----------------------------|----------------------------|---|--|--|--|-------------------------|----------------------------|--|--|----------------|------------------------------------|----------------------------------|-------------------|-----------------|------------------|------------------------------------|------------------------------------|---|-------------------------------------|-----------------|---|--|---------------------------------------|----------------------|-------------------|-----------------|-----------------|---|---|--|--------------------------------|---|---|
| Formula                  | $\text{ClCH}_2(\text{CH}_2)_2\text{CH}_2\text{Cl}$ | $\text{ClH}_2\text{CCH}_2\text{CH}_2\text{Cl}$ | $\text{S}(\text{CH}_2\text{CH}_2\text{Cl})_2$ | $\text{CCl}_2\text{F}_2$ |                                 | $\text{ClHC} : \text{CHCl}$ | $\text{CFCl}_2\text{CH}_3$ | $\text{CH}_2\text{ClCHOHCH}_2\text{Cl}$ | $[\text{ClCH}_2\text{C}(\text{CH}_3)\text{H}]_2\text{O}$ | $\text{Cl}_2\text{C}_6\text{H}_4\text{OH}$ | $\text{CHCl} : \text{CHCH}_2\text{Cl}$ | $(\text{CClF}_2)_2$     | $\text{CF}_3\text{CHCl}_2$ | $(\text{C}_6\text{H}_{11})_2\text{NH}$ | $\text{C}_{12}\text{H}_{10}\text{OCl}_6$ |                |                                    |                                  |                   |                 |                  |                                    |                                    | $(\text{HOCH}_2\text{CH}_2)_2\text{NH}$ | $(\text{C}_2\text{H}_5)_2\text{NH}$ |                 | $(\text{C}_2\text{H}_5)_2\text{NC}_6\text{H}_5$ | $\text{C}_6\text{H}_4(\text{C}_2\text{H}_5)_2$ | $(\text{C}_2\text{H}_5)_2\text{CO}_3$ |                      |                   |                 |                 | $\text{CH}_2\text{OCH}_2\text{OCH}_2\text{CH}_2\text{OH}$ | $\text{C}_4\text{H}_9\text{O}(\text{CH}_2)_2\text{O}(\text{CH}_2)_2\text{OH}$ | $\text{CH}_3\text{O}(\text{CH}_2)_2\text{O}(\text{CH}_2)_2\text{OH}$ |                                |   |   |
| Aluminum                 |  |  |   |                          |                                 | B                           |                            |   |  |  |  |                         |                            |  |  |                |                                    |                                  |                   |                 | A                |                                    |                                    |   | B                                   |                 |   |  |                                       |                      |                   |                 |                 |   |   |  | B                              |   |   |
| Brass                    |  |  |   |                          |                                 | B                           |                            |   |  |  |  |                         |                            |  |  |                |                                    |                                  |                   |                 |                  | A                                  |                                    |   |                                     | B               |   |  |                                       |                      |                   |                 |                 |   |   |  |                                | B |   |
| Carbon Steel             |  |  |   |                          |                                 |                             |                            |   |  |  |  |                         |                            |  |  |                |                                    |                                  |                   |                 |                  | A                                  |                                    |   |                                     | A               |   |  |                                       |                      |                   |                 |                 |   |   |  |                                |   |   |
| Alloy 600                |  |  |   |                          |                                 |                             |                            |   |  |  |  |                         |                            |  |  |                |                                    |                                  |                   |                 |                  | A                                  |                                    |   |                                     | A               |   |  |                                       |                      |                   |                 |                 |   |   |  |                                |   |   |
| Alloy 400/450(Monel®)    |  |  |   |                          |                                 | B                           |                            |   |  |  |  |                         |                            |  |  |                |                                    |                                  |                   |                 |                  | A                                  |                                    |   |                                     | B               |   |  |                                       |                      |                   |                 |                 |   |   |  |                                | B |   |
| Alloy 20                 |  |  |   |                          |                                 | B                           | B                          |   |  |  |  |                         |                            |  |  |                |                                    |                                  |                   |                 |                  | A                                  |                                    |   |                                     | A               |   | B  |                                       |                      |                   |                 |                 |   |   |  |                                | A |   |
| Alloy C 276 (Hastelloy®) |  |  |   |                          |                                 | A                           |                            |   |  |  |  |                         |                            |  |  |                |                                    |                                  |                   |                 |                  | B                                  |                                    |   |                                     | A               |   |  |                                       |                      |                   |                 |                 |   |   |  |                                | B |   |
| Titanium                 |  |  |   |                          |                                 |                             |                            |   |  |  |  |                         |                            |  |  |                |                                    |                                  |                   |                 |                  | A                                  |                                    |   |                                     | A               |   |  |                                       |                      |                   |                 |                 |   |   |  |                                |   |   |
| Cast Iron                |  |  |   |                          |                                 | C                           | B                          |   |  |  |  |                         |                            |  |  |                |                                    |                                  |                   |                 |                  | A                                  |                                    |   |                                     | A               |   | B  |                                       |                      |                   |                 |                 |   |   |  |                                | A |   |
| 316 Stainless Steel      |  |  |   |                          |                                 | C                           | B                          |   |  |  |  |                         |                            |  |  |                |                                    |                                  |                   |                 |                  | A                                  |                                    |   |                                     | A               |   | B  |                                       |                      |                   |                 |                 |   |   |  |                                | A |   |
| 630 Stainless steel      |  |  |   |                          |                                 |                             |                            |   |  |  |  |                         |                            |  |  |                |                                    |                                  |                   |                 |                  | A                                  |                                    |   |                                     | A               |   |  |                                       |                      |                   |                 |                 |   |   |  |                                |   | A |
| Carpenter 20®            |  |  |   |                          |                                 | B                           | B                          |   |  |  |  |                         |                            |  |  |                |                                    |                                  |                   |                 |                  | A                                  |                                    |   |                                     | A               |   | B  |                                       |                      |                   |                 |                 |   |   |  |                                | A |   |
| PTFE/PFA (Teflon®)       | A  |  |   | D                        | A                               | A                           |                            |   |  |  | C                                      |                         |                            |  |  |                | D                                  | C                                |                   |                 | A                | A                                  | A                                  |   | A                                   |                 | A   |  |                                       |                      |                   |                 |                 |   |   | A  | B                              |   |   |
| Nylon                    |  |  |   |                          |                                 |                             |                            |   |  |  |  |                         |                            |  |  |                |                                    |                                  |                   |                 |                  |                                    |                                    |   |                                     | B               |   |  |                                       |                      |                   |                 |                 |   |   |  |                                |   |   |
| Polyethylen(PE)          |  |  |   |                          |                                 |                             |                            |   |  |  |  |                         |                            |  |  |                |                                    |                                  |                   |                 |                  |                                    |                                    |   |                                     |                 |   |  |                                       |                      |                   |                 |                 |   |   |  |                                |   |   |
| POM (Delrin®)            |  |  |   |                          |                                 | D                           | D                          |   |  |  |  |                         |                            |  |  |                |                                    |                                  |                   |                 |                  | A                                  |                                    |   |                                     | A               |   | C  |                                       |                      |                   |                 |                 |   |   |  |                                | A |   |
| PCTFE (Kel-F®)           |  |  |   |                          |                                 | A                           |                            |   |  |  |  |                         |                            |  |  |                |                                    |                                  |                   |                 |                  |                                    |                                    |   |                                     | C               |   |  |                                       |                      |                   |                 |                 |   |   |  |                                |   |   |
| PEEK                     |  |  |   |                          |                                 | A                           | A                          |   |  |  |  |                         |                            |  |  |                |                                    |                                  |                   |                 |                  | A                                  |                                    |   |                                     | A               |   | A  |                                       |                      |                   |                 |                 |   |   |  |                                | A |   |
| PVDF                     | B  |  |   |                          |                                 | B                           |                            | A                                       | A  |  |  |                         |                            | D                                      |  |                | A                                  |                                  |                   |                 |                  |                                    |                                    |   | D                                   |                 |   |  |                                       |                      |                   |                 |                 |   |   | C  | A                              |   |   |
| UHMWPE                   |  |  |   |                          |                                 | C                           |                            |   |  |  |  |                         |                            |  |  |                |                                    |                                  |                   |                 |                  | C                                  |                                    |   |                                     | D               |   |  |                                       |                      |                   |                 |                 |   |   |  |                                | B |   |
| TPE                      |  |  |   |                          |                                 |                             |                            |   |  |  |  |                         |                            |  |  |                |                                    |                                  |                   |                 |                  |                                    |                                    |   |                                     |                 |   |  |                                       |                      |                   |                 |                 |   |   |  |                                |   |   |
| Poly Acrylate            | D  |  |   |                          |                                 | D                           |                            |   |  |  |  |                         | D                          |  |  |                |                                    |                                  |                   |                 |                  | B                                  |                                    |   | D                                   | D               | D   | D  | D                                     | D                    | D                 | D               | D               | D   | D   | D  | D                              | D |   |
| Poly Urethane            | D  |  |   |                          |                                 | D                           |                            |   |  |  |  |                         | D                          |  |  |                |                                    |                                  |                   |                 |                  | C                                  |                                    |   | D                                   | D               | D   | D  | D                                     | D                    | D                 | D               | D               | D   | D   | D  | D                              | D |   |
| NBR                      | D  | B  |   |                          | A                               | D                           | D                          |   |  |  | D                                      | D                       | D                          |  |  |                | A                                  | C                                |                   |                 | A                | B                                  | B                                  | D                                       | B                                   | D               | D   | D  | D                                     | D                    | C                 | C               | D               | D   | D   | A  | D                              |   |   |
| FPM (Viton®)             | A  | A  |   |                          | B                               | C                           | D                          | B                                       |  |  | D                                      | C                       | A                          |  |  |                | A                                  | D                                |                   |                 | A                | A                                  | A                                  | D                                       | D                                   | D               | A   | A  | D                                     | D                    | D                 | D               | D               | D   | D   | D  | A                              | C |   |
| Neoprene                 | D  |  |   |                          |                                 | D                           | D                          |   |  |  |  | D                       |                            |  |  |                |                                    |                                  |                   |                 |                  | C                                  |                                    |   | D                                   | C               | D   | D  | D                                     | D                    | C                 | C               | A               | D   | A   |  |                                |   |   |
| EPDM                     | D  | D  | A   | B                        | D                               | D                           |                            |   |  |  | D                                      | C                       | D                          |  |  |                | A                                  | D                                |                   |                 | D                | D                                  | D                                  | A                                       | B                                   | A               | A   | D  | D                                     | A                    | A                 | A               | A               | A   | A   | A  | A                              | A | A |
| Kalrez®                  |  | A  | A   | B                        | A                               |                             | A                          | A                                       | A  | A  | A                                      | A                       | A                          | A                                      | A  | B              | A                                  | A                                | A                 | A               | A                | A                                  | A                                  | A                                       | A                                   | A               | A   | A  | A                                     |                      |                   |                 |                 |   |   |  | A                              | A | A |
| Grafoil®                 |  |  |   |                          |                                 | A                           |                            |   |  |  |  |                         |                            |  |  |                |                                    |                                  |                   |                 |                  | A                                  |                                    |   |                                     | A               |   |  |                                       |                      |                   |                 |                 |   |   |  | A                              |   |   |
| Silicone                 | D  | D  | A   | D                        | D                               |                             |                            |   |  |  | D                                      | D                       | D                          |  |  |                | D                                  |                                  |                   |                 | D                | D                                  | D                                  | D                                       | B                                   | D               | D   | D  | D                                     | D                    | D                 | D               | D               | A   | D   | B  | D                              |   |   |
| Fluorosilicone           | A  | B  |   |                          | D                               | C                           |                            |   |  |  | C                                      | C                       |                            |  |  |                | B                                  | D                                |                   |                 | A                | B                                  | B                                  | D                                       | D                                   | D               | D   | C  | B                                     | D                    | D                 | D               | D               | C   | D   | A  | D                              |   |   |



| Fluid Name                   | Formula                             | Aluminum | Brass | Carbon Steel | Alloy 600 | Alloy 400/450(Monel®) | Alloy 20 | Alloy C 276 (Hastelloy®) | Titanium | Cast Iron | 316 Stainless Steel | 630 Stainless steel | Carpenter 20® | PTFE/PFA (Teflon®) | Nylon | Polyethylen(PE) | POM (Delrin®) | PCTFE (Kel-F®) | PEEK | PVDF | UHMWPE | TPE | Poly Acrylate | Poly Urethane | NBR | FPM (Viton®) | Neoprene | EPDM | Kalrez® | Grafoil® | Silicone | Fluorosilicone |  |  |  |
|------------------------------|-------------------------------------|----------|-------|--------------|-----------|-----------------------|----------|--------------------------|----------|-----------|---------------------|---------------------|---------------|--------------------|-------|-----------------|---------------|----------------|------|------|--------|-----|---------------|---------------|-----|--------------|----------|------|---------|----------|----------|----------------|--|--|--|
| Diethylenetriamine           | $NH_2C_2H_4NHC_2H_4NH_2$            |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |
| Diethyl Ether                |                                     |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |
| Diethylhexylamine            | $[C_4H_9CH(C_2H_5)CH_2]_2NH$        |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |
| Diethylhexyl Phthalate       | $C_6H_4[COOCH_2CH(C_2H_5)C_4H_9]_2$ |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |
| Diethylhexyl Sebacate        | $C_4H_8COO(C_8H_{17})_2$            |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |
| Diethyl Phthalate            | $C_6H_4(CO_2C_2H_5)_2$              |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |
| Diethyl Sebacate             |                                     |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |
| Diethyl Sulfate              | $(C_2H_5)_2SO_4$                    | B        |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |
| Difluoroethane (FC-152a)     | $CH_3CHF_2$                         |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |
| Diglycol Chloroformate       | $O((CH_2)_2OCOC)_2$                 |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |
| Diglycolic Acid              |                                     |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |
| Dihydroxydiphenylsulfone     | $(C_6H_4OH)_2SO_2$                  |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |
| Diisobutylene                |                                     |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |
| Di - Isobutyl Ketone         | $(CH_3)_2CHCH_2COCH_2CH(CH_3)_2$    |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |
| Di - Isobutylene             |                                     |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |
| Diisooctyl Sebacate (DIOS)   | $C_8H_{17}OOC(CH_2)_8COOC_8H_{17}$  |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |
| Di - Isopropyl Benzene       | $CH(CH_3)_2(C_6H_5)CH(CH_3)_2$      |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |
| Diisopropyl Ketone           | $[(CH_3)_2CH]_2CO$                  |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |
| Diisopropylidene Acetone     |                                     |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |
| Dimehyl Acetamide (DMAC)     | $CH_3CON(CH_3)_2$                   |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |
| Dimethylamine (DMA)          | $(CH_3)_2NH$                        |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |
| Dimethyl Aniline             | $C_6H_5N(CH_3)_2$                   |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |
| Dimethyl Ether               | $CH_3OCH_3$                         |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |
| Dimethyl Phthalate           |                                     |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |
| Dimethyl Formamide (DMF)     | $HCON(CH_3)_2$                      | B        |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |
| Dimethyl Heptanol            | $[(CH_3)_2CHCH_2]_2CHOH$            |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |
| Dimethyl Hydrazine           | $(CH_3)_2NNH_2$                     |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |
| Dimethyl Phthalate           | $C_6H_4(COOCH_3)_2$                 |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |
| Dimethyl Sulfoxide (DMSO)    | $(CH_3)_2SO$                        |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |
| Dimethyl Terephthalate (DMT) | $C_6H_4(COOCH_3)_2$                 |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |
| Dinitrotoluene (DNT)         | $C_6H_3CH_3(NO_2)_2$                |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |
| Diocetyl Amine               |                                     |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |
| Diocetyl Phthalate           |                                     |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |
| Dioxane                      | $O(CH_2)_2_2$                       | B        |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |
| Dioxolane                    | $O(CH_2)_2OCH_2$                    |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |
| Dipentene                    | $C_{10}H_{16}$                      |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |
| Dipentane (Pinene)           |                                     | A        |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |

| Fluid Name               | Formula                                       |  |                                   |   |   |                                |   |   |   |   |   |   |   |   |   |   |   |   |
|--------------------------|---|--|-----------------------------------|---|---|--------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|
|                          | (C <sub>6</sub> H <sub>5</sub> ) <sub>2</sub> | (C <sub>6</sub> H <sub>5</sub> ) <sub>2</sub> NH | C <sub>12</sub> H <sub>18</sub> O | C <sub>6</sub> H <sub>5</sub> CH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>5</sub> | (C <sub>6</sub> H <sub>5</sub> ) <sub>2</sub> O | Si <sub>2</sub> H <sub>6</sub> |   |   |   |   |   |   |   |   |   |   |   |   |
| Aluminum                 |   |  |                                   |   |   |                                | B |   | B |   |   |   |   |   |   |   |   | A |
| Brass                    |   |  |                                   |   |   |                                |   |   | B |   |   |   |   |   |   |   |   | A |
| Carbon Steel             |   |  |                                   |   |   |                                |   |   |   |   |   |   |   |   |   |   |   | B |
| Alloy 600                |   |  |                                   |   |   |                                |   |   |   |   |   |   |   |   |   |   |   |   |
| Alloy 400/450(Monel®)    |   |  |                                   |   |   |                                | C |   | B |   |   |   |   |   |   |   |   | A |
| Alloy 20                 |   |  |                                   |   |   |                                | B |   | B |   |   |   |   |   |   |   |   | A |
| Alloy C 276 (Hastelloy®) |   |  |                                   |   |   | B                              |   |   |   |   |   |   |   |   |   |   |   |   |
| Titanium                 |   |  |                                   |   |   |                                |   |   |   |   |   |   |   |   |   |   |   |   |
| Cast Iron                |   |  |                                   |   |   |                                |   |   | B |   |   |   |   |   |   |   |   | B |
| 316 Stainless Steel      |   |  |                                   |   |   |                                | B |   | B |   |   |   |   |   |   |   |   | A |
| 630 Stainless steel      |   |  |                                   |   |   |                                |   |   |   |   |   |   |   |   |   |   |   |   |
| Carpenter 20®            |   |  |                                   |   |   |                                | B |   | B |   |   |   |   |   |   |   |   | A |
| PTFE/PFA (Teflon®)       | C   |  |                                   |   | B   | A                              | A | A |   | D | C | A | A | A | A | A | A | A |
| Nylon                    |   |  |                                   |   |   |                                |   |   |   |   |   |   |   |   |   |   |   | C |
| Polyethylen(PE)          |   |  |                                   |   |   |                                |   |   |   |   |   |   |   |   |   |   |   |   |
| POM (Delrin®)            |   |  |                                   |   |   |                                | A |   | A |   |   |   |   |   |   |   |   | A |
| PCTFE (Kel-F®)           |   |  |                                   |   |   |                                |   |   |   |   |   |   |   |   |   |   |   |   |
| PEEK                     |   |  |                                   |   |   |                                | A |   | A |   |   |   |   |   |   |   |   | A |
| PVDF                     |   |  |                                   |   | A   |                                |   |   |   |   |   |   |   |   |   |   |   |   |
| UHMWPE                   |   |  |                                   |   |   |                                | A |   | A |   |   |   |   |   |   |   |   |   |
| TPE                      |   |  |                                   |   |   |                                |   |   |   |   |   |   |   |   |   |   |   |   |
| Poly Acrylate            | D   |  |                                   | D   |   |                                | D |   | D | D |   |   |   |   |   |   |   | D |
| Poly Urethane            | D   |  |                                   | D   |   |                                | D |   | D | D |   |   |   |   |   |   |   | D |
| NBR                      | D   |  |                                   | D   | D   |                                | B | D | B | D | D |   |   | C | D | A | A | B |
| FPM (Viton®)             | A   |  |                                   | A   | A   | A                              | B | A | B | A | A |   |   | D | C | A | A | A |
| Neoprene                 | D   |  |                                   | D   |   |                                | B | D | B | D | D |   |   |   |   |   |   | D |
| EPDM                     | D   |  |                                   | D   | D   |                                | D | B | A | D |   |   |   | A | C | A | A | A |
| Kalrez®                  | A   | A  | A                                 | A   |   | A                              | A |   |   |   |   | A | A | B | B | A | A | A |
| Grafoil®                 |   |  |                                   |   |   |                                | A |   | A |   |   |   |   |   |   |   |   | A |
| Silicone                 | D   |  |                                   | D   | C   |                                | D |   | D | D |   |   |   | D | A | C | C | C |
| Fluorosilicone           | B   |  |                                   | B   | B   |                                | B |   | B | B |   |   |   | D |   | A | B | B |

# [ Fluid Compatibility Guide - E ]

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| Fluid Name               | ELCO 28 EP Lubricant | Embasling Fluid | Enamel | Engine Oil | Epichlorohydrin                       | Epoxy Resins | Epsom Salts       | Erucic Acid   | Esam - 6 Fluid | ESSO Turbo Oil (-65°F ~ +250°F) | ESSO Turbo Oil (-20°F ~ +120°F) | ESSO Fuel 208 | ESSO Golden Gasoline | ESSO Motor Oil | ESSO Transmission Fluid, Type A | ESSO WS2812 (MIL - L - 7808A) | ESSO XP90 - EP Lubricant | ESSTIC 42, 43 | Ethane                        | Ethanethiol                      | Ethanol | Ethanolamine (MEA)                                | Ethanolamine, Mono, Di, Tri | Ethers | Ethyl Acetate                                    | Ethyl Acetoacetate   | Ethyl Acrylate                                       | Ethyl Alcohol                    | Ethyl Aluminum Dichloride                       | Ethylamine                                      | Ethyl Benzene   | Ethyl Benzoate  | Ethyl Bromide                    | Ethyl Butyrate  | Ethyl Cellulose | Ethyl Chloride                   | Ethyl Chloride, dry |   |   |   |   |   |   |   |
|--------------------------|----------------------|-----------------|--------|------------|---------------------------------------|--------------|-------------------|---|----------------|---------------------------------|---------------------------------|---------------|----------------------|----------------|---------------------------------|-------------------------------|--------------------------|---------------|-------------------------------|----------------------------------|---------|---|-----------------------------|--------|--|--|--|----------------------------------|---|---|---|---|----------------------------------|---|-----------------|----------------------------------|---------------------|---|---|---|---|---|---|---|
| Formula                  |                      |                 |        |            | CH <sub>2</sub> OCHCH <sub>2</sub> Cl |              | MgSO <sub>4</sub> | C <sub>6</sub> H <sub>17</sub> CH · CH(CH <sub>2</sub> ) <sub>11</sub> COOH |                |                                 |                                 |               |                      |                |                                 |                               |                          |               | C <sub>2</sub> H <sub>6</sub> | C <sub>2</sub> H <sub>5</sub> SH |         | HO(CH <sub>2</sub> ) <sub>2</sub> NH <sub>2</sub> |                             |        | CH <sub>3</sub> COOC <sub>2</sub> H <sub>5</sub> | CH <sub>3</sub> COCH <sub>2</sub> COOC <sub>2</sub> H <sub>5</sub> | CH <sub>2</sub> : CHCOOC <sub>2</sub> H <sub>5</sub> | C <sub>2</sub> H <sub>5</sub> OH | C <sub>2</sub> H <sub>5</sub> AlCl <sub>2</sub> | CH <sub>3</sub> CH <sub>2</sub> NH <sub>2</sub> | C <sub>6</sub> H <sub>5</sub> C <sub>2</sub> H <sub>5</sub> | C <sub>6</sub> H <sub>5</sub> CO <sub>2</sub> C <sub>2</sub> H <sub>5</sub> | C <sub>2</sub> H <sub>5</sub> Br | C <sub>3</sub> H <sub>7</sub> CO <sub>2</sub> C <sub>2</sub> H <sub>5</sub> |                 | C <sub>2</sub> H <sub>5</sub> Cl |                     |   |   |   |   |   |   |   |
| Aluminum                 |                      |                 |        |            |                                       |              | A                 |   |                |                                 |                                 |               |                      |                |                                 |                               |                          |               | A                             |                                  |         |   |                             | A      | A  | C  | B  |                                  |   |   |   |   |                                  |   |                 |                                  |                     | B |   |   |   |   |   |   |
| Brass                    |                      |                 | A      |            |                                       |              | B                 |   |                |                                 |                                 |               |                      |                |                                 |                               |                          |               |                               | B                                |         |   |                             |        | B  | C  | B  | A                                |   |   |   |   |                                  |   |                 |                                  |                     |   | B |   |   |   |   |   |
| Carbon Steel             |                      |                 |        | A          |                                       |              | C                 |   |                |                                 |                                 |               |                      |                |                                 |                               |                          |               |                               | C                                |         |   |                             |        | A  | B  | C  |                                  |   |   |   |   |                                  |   |                 |                                  |                     |   | B |   |   |   |   |   |
| Alloy 600                |                      |                 |        |            |                                       |              | A                 |   |                |                                 |                                 |               |                      |                |                                 |                               |                          |               |                               | A                                |         |   |                             |        |  | A  |  | A                                |   |   |   |   |                                  |   |                 |                                  |                     |   | A |   |   |   |   |   |
| Alloy 400/450(Monel®)    |                      |                 |        |            |                                       |              | B                 |   |                |                                 |                                 |               |                      |                |                                 |                               |                          |               |                               | B                                |         |   |                             |        | B  | B  | B  | A                                |   |   |   |   |                                  |   |                 |                                  |                     |   | B |   |   |   |   |   |
| Alloy 20                 |                      |                 |        |            |                                       |              | B                 |   |                |                                 |                                 |               |                      |                |                                 |                               |                          |               |                               | B                                |         |   |                             |        | A  | B  | A  | A                                |   |   | A   |   |                                  | C   |                 |                                  |                     |   | A |   |   |   |   |   |
| Alloy C 276 (Hastelloy®) |                      |                 |        |            |                                       |              | B                 |   |                |                                 |                                 |               |                      |                |                                 |                               |                          |               |                               |                                  | A       | B   |                             |        | B  | B  | A  |                                  |   | A   |   |   |                                  |   |                 |                                  |                     | B | B |   |   |   |   |   |
| Titanium                 |                      |                 |        |            |                                       |              | A                 |   |                |                                 |                                 |               |                      |                |                                 |                               |                          |               |                               | A                                |         |   |                             |        |  | A  |  | A                                |   |   |   |   |                                  |   |                 |                                  |                     |   | A |   |   |   |   |   |
| Cast Iron                |                      |                 |        |            |                                       |              | C                 |   |                |                                 |                                 |               |                      |                |                                 |                               |                          |               |                               | C                                |         |   |                             |        |  | B  | C  | C                                |   |   |   |   |                                  |   |                 |                                  |                     |   | B |   |   |   |   |   |
| 316 Stainless Steel      |                      |                 | A      |            |                                       |              | B                 |   |                |                                 |                                 |               |                      |                |                                 |                               |                          |               |                               | B                                |         |   |                             |        |  | A  | B  | A                                | B   |   |   |   |                                  |   |                 |                                  |                     |   |   | A |   |   |   |   |
| 630 Stainless steel      |                      |                 |        |            |                                       |              |                   |   |                |                                 |                                 |               |                      |                |                                 |                               |                          |               |                               |                                  |         |   |                             |        |  | B  | A  |                                  |   |   |   |   |                                  |   |                 |                                  |                     |   |   | A |   |   |   |   |
| Carpenter 20®            |                      |                 |        |            |                                       |              | B                 |   |                |                                 |                                 |               |                      |                |                                 |                               |                          |               |                               | B                                |         |   |                             |        |  | A  | B  | A                                |   |   |   |   |                                  |   |                 |                                  |                     |   |   | A |   |   |   |   |
| PTFE/PFA (Teflon®)       | A                    | A               | A      | D          | B                                     | A            | D                 |   |                | A                               | C                               | A             | A                    | A              | A                               | A                             | A                        | A             | A                             | A                                | A       | A   | A                           | A      | A  | A  | A  | A                                | A   | A   | C   | A   |                                  |   |                 |                                  | B                   | B |   |   |   |   |   |   |
| Nylon                    |                      |                 |        |            |                                       |              | B                 |   |                |                                 |                                 |               |                      |                |                                 |                               |                          |               |                               |                                  |         |   |                             |        |  | A  | A  |                                  |   |   |   |   |                                  |   |                 |                                  |                     |   |   | A |   |   |   |   |
| Polyethylen(PE)          |                      |                 |        |            |                                       |              |                   |   |                |                                 |                                 |               |                      |                |                                 |                               |                          |               |                               |                                  |         |   |                             |        |  |  |  |                                  |   |   |   |   |                                  |   |                 |                                  |                     |   |   | D |   |   |   |   |
| POM (Delrin®)            |                      |                 | A      | A          |                                       |              | A                 |   |                |                                 |                                 |               |                      |                |                                 |                               |                          |               |                               | A                                |         |   |                             |        |  | C  | C  | B                                | A   |   |   |   |                                  |   |                 |                                  |                     |   |   | A |   |   |   |   |
| PCTFE (Kel-F®)           |                      |                 |        |            |                                       |              |                   |   |                |                                 |                                 |               |                      |                |                                 |                               |                          |               |                               |                                  |         |   |                             |        |  | C  |  |                                  |   |   |   |   |                                  |   |                 |                                  |                     |   |   |   |   |   |   |   |
| PEEK                     |                      |                 | A      |            |                                       |              | A                 |   |                |                                 |                                 |               |                      |                |                                 |                               |                          |               |                               | A                                |         |   |                             |        |  | A  | A  | A                                |   |   |   |   |                                  |   |                 |                                  |                     |   |   | A |   |   |   |   |
| PVDF                     |                      |                 |        |            |                                       |              |                   |   |                |                                 |                                 |               |                      |                |                                 |                               |                          |               |                               | A                                | B       |   |                             |        |  | A  | C  | C                                | B   |   |   |   |                                  |   |                 |                                  |                     |   |   | B |   |   |   |   |
| UHMWPE                   |                      |                 |        |            |                                       |              | A                 |   |                |                                 |                                 |               |                      |                |                                 |                               |                          |               |                               |                                  |         |   |                             |        |  |  |  |                                  |   |   |   |   |                                  |   |                 |                                  |                     |   |   | C | D |   |   |   |
| TPE                      |                      |                 |        |            |                                       |              |                   |   |                |                                 |                                 |               |                      |                |                                 |                               |                          |               |                               |                                  |         |   |                             |        |  |  | B  |                                  |   |   |   |   |                                  |   |                 |                                  |                     |   |   |   | C |   |   |   |
| Poly Acrylate            |                      |                 |        |            |                                       |              |                   |   |                | B                               | D                               |               |                      |                |                                 |                               |                          |               |                               | A                                |         |   |                             |        |  |  |  |                                  |   |   |   |   |                                  |   |                 |                                  |                     |   |   | D | C |   |   |   |
| Poly Urethane            |                      |                 |        |            |                                       |              |                   |   |                | D                               | D                               |               |                      |                |                                 |                               |                          |               |                               | B                                |         |   |                             |        |  |  |  |                                  |   |   |   |   |                                  |   |                 |                                  |                     |   |   |   | B |   |   |   |
| NBR                      | A                    | A               | B      | A          | D                                     | C            | A                 | D   | A              | D                               | A                               | B             | A                    | A              | A                               | A                             | A                        | A             | A                             | D                                | C       | D   | D                           | D      | D  | D  | D  | D                                | A   |   |   |   |                                  |   |                 |                                  |                     |   |   | A | C |   |   |   |
| FPM (Viton®)             | A                    |                 |        | A          | D                                     | D            | A                 | D   | A              | A                               | A                               | A             | A                    | A              | A                               | A                             | A                        | A             | A                             | B                                | A       | D   | D                           | C      | D  | D  | D  | C                                | D   |   |   |   |                                  |   |                 |                                  |                     |   |   | D | A | B |   |   |
| Neoprene                 |                      |                 | B      |            |                                       |              | A                 | D   | D              |                                 |                                 |               |                      |                |                                 |                               |                          |               |                               | D                                |         |   |                             |        |  |  |  |                                  |   |   |   |   |                                  |   |                 |                                  |                     |   |   |   | D | C |   |   |
| EPDM                     | D                    | D               | C      | B          | A                                     |              |                   | A   | D              | D                               | D                               | D             | D                    | D              | D                               | D                             | D                        | D             | D                             | C                                |         |   |                             |        |  |  |  |                                  |   |   |   |   |                                  |   |                 |                                  |                     |   |   |   |   | D | C |   |
| Kalrez®                  | A                    |                 |        | B          | A                                     |              | A                 | A   |                |                                 |                                 |               |                      |                |                                 |                               |                          |               |                               | A                                |         |   |                             |        |  |  |  |                                  |   |   |   |   |                                  |   |                 |                                  |                     |   |   |   |   | A | A |   |
| Grafoil®                 |                      |                 | A      |            |                                       |              | A                 |   |                |                                 |                                 |               |                      |                |                                 |                               |                          |               |                               | A                                |         |   |                             |        |  |  |  |                                  |   |   |   |   |                                  |   |                 |                                  |                     |   |   |   |   |   | A |   |
| Silicone                 | B                    |                 |        |            | D                                     |              |                   |   | D              | D                               | D                               | D             | D                    | D              | D                               | D                             | D                        | D             | D                             | C                                |         |   |                             |        |  |  |  |                                  |   |   |   |   |                                  |   |                 |                                  |                     |   |   |   |   | D | C |   |
| Fluorosilicone           | A                    |                 |        |            | D                                     |              |                   |   | D              | A                               | A                               | A             | A                    | A              | A                               | A                             | A                        | A             | B                             |                                  |         |   |                             |        |  |  |  |                                  |   |   |   |   |                                  |   |                 |                                  |                     |   |   |   |   |   | D | A |



| Fluid Name               | Ethyl Chloride, wet | Ethyl Chloroacetate | Ethyl Cyanide | Ethylcyclopentane | Ethyl Dibromide | Ethyl Dichloride | Ethylene | Ethylene Bromide | Ethylene Chloride | Ethylene Chlorohydrin | Ethylene Chlorohydrin | Ethylene Cyanohydrin | Ethylene Diamine   | Ethylene Dibromide | Ethylene Dichloride | Ethylene Glycol | Ethylene Glycol Butyl Ether | Ethylene Glycol Butyl Ether Acetate | Ethylene Glycol Ethyl Ether Acetate(EGMEEA) | Ethylene Oxide | Ethylene Trichloride | Ethyl Ether     | Ethylethoxy - 3 - Propionate (EEP) | Ethyl Formate | Ethyl Hexanol  | Ethyl Isovlerate     | Ethyl Lactate (EL)   | Ethyl Mercaptan              | Ethylmorpholine | Ethyl Nitrite   | Ethyl Oxalate | Ethyl Pentachlorobenzene | Ethyl Pyridine    | Ethyl Silicate (TEOC) | Ethyl Sulfate (Diethyl Sulfate) | Ethyl Sulfate | Ethylsulfuric Acid | Ethyl Tertiary Butyl Ether |   |   |   |  |
|--------------------------|---------------------|---------------------|---------------|-------------------|-----------------|------------------|----------|------------------|-------------------|-----------------------|-----------------------|----------------------|--------------------|--------------------|---------------------|-----------------|-----------------------------|-------------------------------------|---|----------------|----------------------|-----------------|------------------------------------|---------------|----------------|----------------------|----------------------|------------------------------|-----------------|-----------------|---------------|--------------------------|-------------------|-----------------------|---------------------------------|---------------|--------------------|----------------------------|---|---|---|--|
| Formula                  | $C_2H_5Cl$          | $C_2H_5CO_2C_2H_5$  | $C_2H_5CN$    | $C_5H_{10}$       | $C_2H_5Br$      | $C_2H_5Cl_2$     | $C_2H_4$ | $C_2H_4Br_2$     | $C_2H_4Cl_2$      | $C_2H_4ClCH_2OH$      | $C_2H_4ClCH_2OH$      | $HOCH_2CH_2CN$       | $NH_2(CH_2)_2NH_2$ | $BrCH_2CH_2Br$     | $C_2H_4Cl_2$        | $(CH_2OH)_2$    | $HO(CH_2)_2OC_4H_9$         | $C_4H_9C(CH_2)_2OOCCH_3$            | $CH_3COO(CH_2)_2OC_2H_5$                    | $CH_2OCH_2$    | $C_2H_4Cl_3$         | $C_2H_5OC_2H_5$ | $C_2H_5OOC(CH_2)_2OC_2H_5$         | $HCOOC_2H_5$  | $C_6H_{13}O_2$ | $CH_3CHOCHCOOC_2H_5$ | $CH_3CHOCHCOOC_2H_5$ | $(CH_2)_2O(CH_2)_2NCH_2CH_3$ | $C_2H_5NO_2$    | $(COOC_2H_5)_2$ |               |                          | $(C_2H_5)_2SiO_4$ |                       | $C_2H_5HSO_4$                   |               |                    |                            |   |   |   |  |
| Aluminum                 | D                   |                     |               |                   |                 |                  |          |                  |                   | C                     |                       |                      |                    |                    |                     | A               |                             |                                     |   | C              |                      | B               |                                    |               |                |                      |                      |                              |                 |                 |               |                          |                   |                       |                                 | A             |                    |                            |   |   |   |  |
| Brass                    | C                   |                     |               |                   |                 |                  |          |                  |                   |                       |                       |                      |                    |                    |                     | B               |                             |                                     |   | C              |                      | B               |                                    |               |                |                      |                      |                              |                 |                 |               |                          |                   |                       |                                 | B             |                    |                            |   |   |   |  |
| Carbon Steel             | D                   |                     |               |                   |                 |                  |          |                  |                   |                       |                       |                      |                    |                    |                     | B               |                             |                                     |   | B              |                      |                 |                                    |               |                |                      |                      |                              |                 |                 |               |                          |                   |                       |                                 |               |                    |                            |   |   |   |  |
| Alloy 600                | A                   |                     |               |                   |                 |                  |          |                  |                   |                       |                       |                      |                    |                    |                     | A               |                             |                                     |   | A              |                      |                 |                                    |               |                |                      |                      |                              |                 |                 |               |                          |                   |                       |                                 |               |                    |                            |   |   |   |  |
| Alloy 400/450(Monel®)    | B                   |                     |               |                   |                 |                  |          |                  |                   | B                     |                       |                      |                    |                    |                     | B               | B                           |                                     |   | B              |                      | A               |                                    |               |                |                      |                      |                              |                 |                 |               |                          |                   |                       |                                 | B             |                    |                            |   |   |   |  |
| Alloy 20                 | B                   |                     |               |                   |                 |                  |          |                  |                   | A                     |                       |                      |                    |                    |                     | A               | A                           |                                     |   | B              |                      | A               |                                    |               |                |                      |                      |                              |                 |                 |               |                          |                   |                       | B                               |               |                    | B                          |   |   |   |  |
| Alloy C 276 (Hastelloy®) | B                   |                     |               |                   |                 |                  |          | B                | B                 | B                     |                       | C                    |                    | B                  | A                   |                 | A                           |                                     |   | A              |                      | B               |                                    |               |                |                      |                      |                              |                 |                 |               |                          |                   |                       |                                 |               |                    |                            |   |   |   |  |
| Titanium                 | A                   |                     |               |                   |                 |                  |          |                  |                   |                       |                       |                      |                    |                    |                     | A               |                             |                                     |   | A              |                      |                 |                                    |               |                |                      |                      |                              |                 |                 |               |                          |                   |                       |                                 |               |                    |                            |   |   |   |  |
| Cast Iron                | D                   |                     |               |                   |                 |                  |          |                  |                   |                       |                       |                      |                    |                    |                     | B               |                             |                                     |   | B              |                      | C               |                                    |               |                |                      |                      |                              |                 |                 |               |                          |                   |                       | B                               |               |                    |                            |   |   |   |  |
| 316 Stainless Steel      | B                   |                     |               |                   |                 |                  |          |                  |                   | A                     |                       |                      |                    |                    |                     | B               | B                           |                                     |   | B              |                      | A               |                                    |               |                |                      |                      |                              |                 |                 |               |                          |                   |                       | B                               |               |                    | B                          |   |   |   |  |
| 630 Stainless steel      |                     |                     |               |                   |                 |                  |          |                  |                   |                       |                       |                      |                    |                    |                     | A               |                             |                                     |   |                |                      |                 |                                    |               |                |                      |                      |                              |                 |                 |               |                          |                   |                       |                                 |               |                    |                            |   |   |   |  |
| Carpenter 20®            | B                   |                     |               |                   |                 |                  |          |                  |                   | A                     |                       |                      |                    |                    |                     | A               | A                           |                                     |   | B              |                      | A               |                                    |               |                |                      |                      |                              |                 |                 |               |                          |                   |                       |                                 | B             |                    | B                          |   |   |   |  |
| PTFE/PFA (Teflon®)       | A                   | B                   | A             | B                 | B               | A                |          | A                |                   | A                     | B                     |                      |                    | A                  | A                   | C               | B                           | C                                   | A   | D              | A                    |                 | A                                  |               |                |                      |                      |                              |                 |                 |               |                          |                   |                       | A                               |               | A                  |                            |   | B |   |  |
| Nylon                    | A                   |                     |               |                   |                 |                  |          |                  |                   |                       |                       |                      |                    |                    |                     | A               | B                           |                                     |   | D              |                      |                 |                                    |               |                |                      |                      |                              |                 |                 |               |                          |                   |                       |                                 |               |                    |                            |   |   |   |  |
| Polyethylen(PE)          |                     |                     |               |                   |                 |                  |          |                  |                   |                       |                       |                      |                    |                    |                     | B               |                             |                                     |   |                |                      |                 |                                    |               |                |                      |                      |                              |                 |                 |               |                          |                   |                       |                                 |               |                    |                            |   |   |   |  |
| POM (Delrin®)            | A                   |                     |               |                   |                 |                  |          |                  |                   | A                     |                       |                      |                    |                    |                     | C               | A                           |                                     |   | A              |                      | A               |                                    |               |                |                      |                      |                              |                 |                 |               |                          |                   |                       | A                               |               | A                  |                            |   |   |   |  |
| PCTFE (Kel-F®)           |                     |                     |               |                   |                 |                  |          |                  |                   | A                     |                       |                      |                    |                    |                     | A               |                             |                                     |   | D              |                      | C               |                                    |               |                |                      |                      |                              |                 |                 |               |                          |                   |                       |                                 |               |                    |                            |   |   |   |  |
| PEEK                     | A                   |                     |               |                   |                 |                  |          |                  |                   | A                     |                       |                      |                    |                    |                     | A               | A                           |                                     |   | A              |                      | A               |                                    |               |                |                      |                      |                              |                 |                 |               |                          |                   |                       | A                               |               | A                  |                            |   |   |   |  |
| PVDF                     |                     |                     |               |                   |                 |                  |          |                  |                   |                       | C                     | A                    |                    |                    |                     |                 |                             |                                     |   | A              |                      |                 |                                    |               |                |                      |                      |                              |                 |                 |               |                          |                   |                       |                                 |               |                    |                            |   |   |   |  |
| UHMWPE                   | D                   |                     |               |                   |                 |                  |          | D                |                   |                       | A                     |                      |                    |                    |                     | D               | A                           |                                     |   | C              |                      |                 |                                    |               |                |                      |                      |                              |                 |                 |               |                          |                   |                       |                                 |               |                    |                            |   |   |   |  |
| TPE                      |                     |                     |               |                   |                 |                  |          |                  |                   |                       |                       |                      |                    |                    |                     | C               | A                           |                                     |   | A              |                      |                 |                                    |               |                |                      |                      |                              |                 |                 |               |                          |                   |                       |                                 |               |                    |                            |   |   |   |  |
| Poly Acrylate            |                     |                     |               |                   |                 |                  | D        | B                | D                 | D                     |                       |                      | D                  | D                  | D                   | D               |                             |                                     |   | D              |                      |                 |                                    |               |                |                      |                      |                              |                 |                 |               |                          |                   |                       |                                 | D             |                    |                            |   |   |   |  |
| Poly Urethane            |                     |                     |               |                   |                 |                  | D        | B                | D                 | D                     |                       |                      | D                  | D                  | B                   |                 |                             |                                     |   | D              |                      |                 |                                    |               |                |                      |                      |                              |                 |                 |               |                          |                   |                       |                                 | D             |                    |                            |   |   |   |  |
| NBR                      | C                   | D                   | A             | A                 | D               | D                | A        | D                | D                 | D                     |                       | A                    | D                  | D                  | A                   | C               | D                           | D                                   | D   | D              | C                    |                 | D                                  | A             |                |                      | D                    |                              |                 |                 | D             | D                        | D                 | D                     | A                               |               | B                  |                            | C |   |   |  |
| FPM (Viton®)             | B                   | A                   | A             | A                 | A               | A                | A        | A                | B                 | A                     |                       | D                    | A                  | A                  | A                   | D               | B                           | D                                   | D   | A              | D                    |                 | A                                  | A             |                |                      | B                    |                              |                 | A               | A             | D                        | A                 | A                     | A                               |               | A                  |                            | B |   |   |  |
| Neoprene                 | C                   |                     |               |                   |                 |                  | D        | C                | D                 | D                     |                       | D                    | D                  | D                  | A                   |                 |                             |                                     | D   |                | D                    |                 |                                    |               |                |                      |                      | C                            |                 |                 |               |                          |                   | D                     | A                               |               | B                  |                            |   |   |   |  |
| EPDM                     | B                   | D                   | D             | D                 | C               | C                | B        | C                | D                 | B                     |                       | A                    | C                  | C                  | A                   | B               | B                           | B                                   | C   | C              | C                    |                 | B                                  | A             |                |                      | A                    |                              |                 | A               |               |                          | A                 | D                     | A                               | A             | A                  | C                          |   | C |   |  |
| Kalrez®                  | A                   | A                   | A             | A                 | A               | A                | A        |                  | A                 | A                     | A                     | B                    | A                  | A                  | A                   | A               | A                           | A                                   | A   | A              | A                    | A               | A                                  | A             | B              | A                    | A                    | A                            | A               | A               | A             | A                        | A                 | A                     | A                               | A             | A                  |                            | A |   | A |  |
| Grafoil®                 | A                   |                     |               |                   |                 |                  |          |                  |                   |                       |                       |                      |                    |                    |                     | A               |                             |                                     |   | A              |                      |                 |                                    |               |                |                      |                      |                              |                 |                 |               |                          |                   |                       |                                 | A             |                    | A                          |   |   |   |  |
| Silicone                 | D                   |                     | D             | D                 | D               | D                | D        | D                | C                 |                       | A                     | D                    | D                  | A                  |                     | B               | D                           | D                                   | D   | D              |                      |                 |                                    |               | B              |                      |                      | D                            |                 |                 |               |                          | D                 | D                     | D                               | D             |                    |                            |   |   |   |  |
| Fluorosilicone           | B                   |                     | A             |                   | A               | A                | C        | B                | B                 |                       | D                     | C                    | C                  | A                  |                     | D               | B                           | D                                   | D   | C              |                      |                 |                                    | A             | A              |                      |                      |                              |                 |                 |               |                          | B                 | B                     | D                               | A             |                    |                            |   |   |   |  |

| Fluid Name               | Ethylhexyl Acrylate   | Ethylmorpholinestannous Octotate | Explosive (Index 1) |
|--------------------------|---|----------------------------------|---------------------|
| Formula                  | CH <sub>2</sub> :CHCOOCH <sub>2</sub> CH(C <sub>2</sub> H <sub>5</sub> )C <sub>4</sub> H <sub>9</sub> |                                  |                     |
| Aluminum                 |   |                                  |                     |
| Brass                    |   |                                  |                     |
| Carbon Steel             |   |                                  |                     |
| Alloy 600                |   |                                  | A                   |
| Alloy 400/450(Monel®)    |   |                                  |                     |
| Alloy 20                 |   |                                  |                     |
| Alloy C 276 (Hastelloy®) |   |                                  |                     |
| Titanium                 |   |                                  |                     |
| Cast Iron                |   |                                  |                     |
| 316 Stainless Steel      |   |                                  |                     |
| 630 Stainless steel      |   |                                  |                     |
| Carpenter 20®            |   |                                  |                     |
| PTFE/PFA (Teflon®)       |   |                                  |                     |
| Nylon                    |   |                                  | B                   |
| Polyethylen(PE)          |   |                                  |                     |
| POM (Delrin®)            |   |                                  |                     |
| PCTFE (Kel-F®)           |   |                                  |                     |
| PEEK                     |   |                                  |                     |
| PVDF                     |   |                                  |                     |
| UHMWPE                   |   |                                  |                     |
| TPE                      |   |                                  |                     |
| Poly Acrylate            |   |                                  |                     |
| Poly Urethane            |   |                                  |                     |
| NBR                      |   |                                  |                     |
| FPM (Viton®)             |   | D                                | A                   |
| Neoprene                 |   | D                                |                     |
| EPDM                     |   |                                  |                     |
| Kalrez®                  |   |                                  | B                   |
| Grafoil®                 | A   | A                                |                     |
| Silicone                 |   |                                  |                     |
| Fluorosilicone           |   |                                  |                     |



| Fluid Name               | FC C318 (Octafluoro-tetraethylene) | FC PCA | FC TA | FC TC | FC TMC | FC T - P35 | FC T - WD602 | Ferric Acetate      | Ferric Ammonium Sulfate | Ferric Chloride | Ferric Hydroxide | Ferric Nitrate | Ferric Sulfate | Ferrous Ammonium Citrate | Ferrous Ammonium Sulfate  | Ferrous Chloride | Ferrous Iodide | Ferrous Sulfide | Ferrous Sulfate | Ferrous Sulfate, Saturated | Fertilizer Solutions | Film Dope | Fire extinguishing substance (Foamite) | Fish Oils | Fluoroboric Acid | Fluorine | Fluorine Gas, dry | Fluorine Gas, wet | FLUORINERT (FC 70) | Fluorobenzene | Fluorofoem (FC 23) | FLUOROLUBE | Fluorophosphoric Acid, Anhydrous | Flue Gases | Fluosilicic Acid | Fluosulfonic Acid | FOMBLIN  |   |  |
|--------------------------|------------------------------------|--------|-------|-------|--------|------------|--------------|---------------------|-------------------------|-----------------|------------------|----------------|----------------|--------------------------|---------------------------|------------------|----------------|-----------------|-----------------|----------------------------|----------------------|-----------|--|-----------|------------------|----------|-------------------|-------------------|--------------------|---------------|--------------------|------------|----------------------------------|------------|------------------|-------------------|----------|---|--|
| Formula                  |                                    |        |       |       |        |            |              | $Fe(C_2H_3O_2)_2OH$ | $FeNH_4(SO_4)_2$        | $FeCl_3$        | $Fe(OH)_3$       | $Fe(NO_3)_3$   | $Fe_2(SO_4)_3$ |                          | $Fe(SO_4) : (NH_4)_2SO_4$ | $FeCl_2$         | $FeI_2$        | $FeSO_4$        | $FeSO_4$        |                            |                      |           |  |           | $HBF_4$          | $F_2$    |                   |                   |                    | $C_6H_6F$     | $CHF_3$            |            |                                  | $H_2PO_3F$ |                  | $H_2SiF_6$        | $HSO_3F$ |   |  |
| Aluminum                 |                                    |        |       |       |        |            |              |                     |                         | D               | D                | D              | B              |                          | D                         |                  | D              | C               | C               | B                          |                      |           | C                                      | D         | D                | B        | D                 |                   |                    |               |                    |            |                                  |            | C                | D                 |          |   |  |
| Brass                    |                                    |        |       |       |        |            |              |                     |                         | D               | D                | D              |                |                          | B                         |                  | B              | B               | C               | C                          |                      |           |  | B         | D                | C        | D                 |                   |                    |               |                    |            |                                  |            | B                | B                 |          |   |  |
| Carbon Steel             |                                    |        |       |       |        |            |              |                     |                         | D               | D                | D              |                |                          | D                         |                  | D              | D               | C               | B                          |                      |           | A                                      | B         | A                | D        | A                 | D                 |                    |               |                    |            |                                  |            |                  |                   | D        |   |  |
| Alloy 600                |                                    |        |       |       |        |            |              |                     |                         | D               | D                | A              |                |                          | D                         |                  |                | B               |                 |                            |                      |           |  |           | A                | A        | A                 | A                 |                    |               |                    |            |                                  |            |                  |                   | A        |   |  |
| Alloy 400/450(Monel®)    |                                    |        |       |       |        |            |              |                     |                         | D               | A                | D              | D              |                          | D                         |                  |                | B               | B               | B                          |                      |           |  | A         | A                | A        | A                 |                   |                    |               |                    |            |                                  |            |                  | B                 | A        |   |  |
| Alloy 20                 |                                    |        |       |       |        |            |              |                     |                         |                 | A                | A              | A              | B                        | D                         |                  |                | B               | A               | B                          |                      |           |  | A         | A                |          |                   |                   |                    |               |                    |            |                                  |            |                  | A                 | B        |   |  |
| Alloy C 276 (Hastelloy®) |                                    |        |       |       |        |            |              |                     |                         | B               | B                | A              |                |                          | D                         |                  |                | B               | B               |                            |                      |           |  |           | A                | B        | B                 | B                 |                    |               |                    |            |                                  |            |                  |                   | B        |   |  |
| Titanium                 |                                    |        |       |       |        |            |              |                     |                         | A               |                  | A              |                |                          | A                         |                  |                | A               |                 |                            |                      |           |  |           | D                | D        | D                 |                   |                    |               |                    |            |                                  |            |                  |                   | D        |   |  |
| Cast Iron                |                                    |        |       |       |        |            |              |                     |                         |                 |                  | D              | D              |                          | D                         |                  |                | D               | C               | B                          |                      |           |  | B         |                  |          |                   |                   |                    |               |                    |            |                                  |            |                  | B                 | D        |   |  |
| 316 Stainless Steel      |                                    |        |       |       |        |            |              |                     |                         | D               | A                | C              | B              | B                        | D                         |                  | B              | B               | A               | B                          |                      |           |  | A         | B                | D        | B                 | D                 |                    |               |                    |            |                                  |            |                  | A                 | B        |   |  |
| 630 Stainless steel      |                                    |        |       |       |        |            |              |                     |                         |                 |                  | B              | B              |                          |                           |                  |                |                 |                 |                            |                      |           |  |           |                  |          |                   |                   |                    |               |                    |            |                                  |            |                  |                   |          |   |  |
| Carpenter 20®            |                                    |        |       |       |        |            |              |                     |                         |                 | A                | A              | A              | B                        | D                         |                  |                | B               | A               | B                          |                      |           |  | A         | A                | A        |                   |                   |                    |               |                    |            |                                  |            |                  | A                 | B        |   |  |
| PTFE/PFA (Teflon®)       | D                                  | D      |       |       |        |            |              |                     |                         | A               | A                | A              | A              | A                        | A                         |                  | A              | A               | A               | A                          |                      |           |  | A         | A                | D        | A                 | A                 |                    |               |                    | B          |                                  |            | A                | A                 |          |   |  |
| Nylon                    |                                    |        |       |       |        |            |              |                     |                         | D               |                  | D              |                |                          | D                         |                  |                | D               |                 |                            |                      |           |  |           |                  |          |                   |                   |                    |               |                    |            |                                  |            |                  |                   |          |   |  |
| Polyethylen(PE)          |                                    |        |       |       |        |            |              |                     |                         | B               | B                | B              |                |                          |                           |                  |                | B               |                 |                            |                      |           |  |           |                  |          | B                 | B                 |                    |               |                    |            |                                  |            |                  |                   |          |   |  |
| POM (Delrin®)            |                                    |        |       |       |        |            |              |                     |                         | A               | A                | A              | A              | A                        | A                         |                  | A              | A               | A               |                            |                      |           |  | B         | A                | D        | D                 |                   |                    |               |                    |            |                                  |            |                  |                   | C        | C |  |
| PCTFE (Kel-F®)           |                                    |        |       |       |        |            |              |                     |                         |                 |                  |                |                |                          | A                         |                  |                | A               | A               |                            |                      |           |  |           |                  |          |                   | A                 |                    |               |                    |            |                                  |            |                  |                   |          |   |  |
| PEEK                     |                                    |        |       |       |        |            |              |                     |                         |                 | A                | A              | A              | A                        | A                         |                  |                | A               | A               | A                          |                      |           |  | A         | D                | A        |                   |                   |                    |               |                    |            |                                  |            |                  |                   | A        | D |  |
| PVDF                     |                                    |        |       |       |        |            |              |                     |                         |                 |                  |                |                |                          |                           |                  |                |                 |                 |                            |                      |           |  |           |                  | D        |                   |                   |                    |               |                    |            |                                  |            |                  |                   |          |   |  |
| UHMWPE                   |                                    |        |       |       |        |            |              |                     |                         | A               | A                | A              | A              |                          | A                         |                  |                | A               |                 |                            |                      |           |  |           | A                | D        |                   |                   |                    |               |                    |            |                                  |            |                  |                   |          | A |  |
| TPE                      |                                    |        |       |       |        |            |              |                     |                         | C               |                  |                |                |                          |                           |                  |                |                 |                 |                            |                      |           |  |           |                  |          |                   |                   |                    |               |                    |            |                                  |            |                  |                   |          |   |  |
| Poly Acrylate            |                                    |        |       |       |        |            |              |                     |                         |                 |                  |                |                |                          |                           |                  |                |                 |                 |                            |                      |           |  |           | A                |          |                   |                   |                    |               |                    |            |                                  |            |                  |                   |          |   |  |
| Poly Urethane            |                                    |        |       |       |        |            |              |                     |                         | A               |                  | A              |                |                          |                           |                  |                |                 | A               |                            |                      |           |  |           | B                |          |                   |                   |                    |               |                    |            |                                  |            |                  |                   |          |   |  |
| NBR                      | A                                  | A      | A     | A     | B      | A          | B            |                     |                         | A               | B                | A              | A              |                          | A                         |                  | B              | A               | C               | B                          |                      |           | A                                      | A         | A                | D        |                   |                   |                    | D             |                    | A          |                                  |            | C                | A                 |          |   |  |
| FPM (Viton®)             | B                                  | B      | C     | A     | A      | A          | A            |                     |                         | A               | A                | A              |                |                          | A                         |                  | A              | A               | B               |                            |                      |           | B                                      | A         | B                | C        |                   |                   | A                  | A             | B                  |            |                                  |            | C                | C                 |          | A |  |
| Neoprene                 |                                    |        |       |       |        |            |              |                     |                         | B               | A                | A              |                |                          | A                         |                  |                | A               | C               | B                          |                      |           |  | B         | B                |          |                   | C                 |                    |               |                    |            |                                  |            |                  | C                 | C        |   |  |
| EPDM                     | A                                  | D      | B     | B     | C      | A          | B            |                     |                         | A               | A                | A              |                |                          | A                         |                  | A              | A               | B               |                            |                      | A         | C                                      | D         | A                | D        |                   |                   | D                  |               | A                  |            |                                  |            | D                | C                 |          |   |  |
| Kalrez®                  | B                                  | C      | B     | B     | B      | B          | B            | A                   | A                       | A               | A                | A              | A              | A                        | A                         | A                |                | A               |                 |                            |                      |           |  | A         | A                | B        |                   |                   | B                  | A             | A                  | B          | A                                |            |                  | A                 | A        | A |  |
| Grafoil®                 |                                    |        |       |       |        |            |              |                     |                         |                 | A                | B              | A              | A                        | A                         |                  |                | A               | A               | A                          |                      |           |  | A         |                  |          |                   |                   |                    |               |                    |            |                                  |            |                  | A                 |          |   |  |
| Silicone                 |                                    | D      | C     | D     | C      | A          | D            |                     |                         | B               | C                | B              |                |                          |                           |                  |                |                 | B               |                            |                      |           |  | D         | A                | D        |                   |                   |                    | D             |                    | A          |                                  |            |                  | D                 |          |   |  |
| Fluosilicone             |                                    |        |       |       |        |            |              |                     |                         | A               | A                | A              |                |                          |                           |                  |                |                 | A               |                            |                      |           |  | A         | A                |          |                   |                   |                    | B             |                    | B          |                                  |            |                  |                   | D        |   |  |



# [ Fluid Compatibility Guide - G ]

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| Fluid Name               | GALDEN | Gallic Acid         | Gallic Acid 5% | Gear Oil | Gas (Inert) | Gas (Inert gas), +100 °C | Gas (Inert gas), +200 °C | Gas, Manufactured | Gas, Natural | Gas, Odorizers | Gas Oil | Gasoline | Gasoline, Aviation | Gasoline, Aromatic | Gasoline, Automotive | Gasoline, Ethyl and Regular | Gasoline, Leaded | Gasoline, Motor | Gasoline, 100 Octane | Gasoline, 130 Octane | Gasoline, Refined | Gasoline, Sour | Gasolien, Unleaded | Gasoline, with Mercaptan | Gelatin | Germanium Tetrahydride | Glacial Acetic Acid | Glaubers Salt | Gluconic Acid | Glucose              | Glue           | Glue Sizing | Glutamic Acid | Glycerin (Glycerol)        | Glycerophosphoric Acid | Glycidol              | Glycol          |   |
|--------------------------|--------|---------------------|----------------|----------|-------------|--------------------------|--------------------------|-------------------|--------------|----------------|---------|----------|--------------------|--------------------|----------------------|-----------------------------|------------------|-----------------|----------------------|----------------------|-------------------|----------------|--------------------|--------------------------|---------|------------------------|---------------------|---------------|---------------|----------------------|----------------|-------------|---------------|----------------------------|------------------------|-----------------------|-----------------|---|
| Formula                  |        | $C_6H_2(OH)_3CO_2H$ |                |          |             |                          |                          |                   |              |                |         |          |                    |                    |                      |                             |                  |                 |                      |                      |                   |                |                    |                          |         | GeH <sub>4</sub>       |                     |               |               | $CH_2OH(CHOH)_4COOH$ | $C_6H_{12}O_6$ |             |               | $COOH(CH_2)_2CH(NH_2)COOH$ | $C_3H_5(OH)_3$         | $C_3H_5(OH)_2H_2PO_4$ | $CH_2OHCHOCH_2$ | HO - CH <sub>2</sub> - CH <sub>2</sub> - OH |
| Aluminum                 |        | A                   |                | B        |             |                          | B                        | B                 | A            |                | A       | A        |                    |                    |                      | A                           | A                |                 |                      |                      | A                 | A              | A                  |                          | A       |                        |                     |               |               | A                    | A              |             |               | A                          |                        |                       | A               |   |
| Brass                    |        | C                   |                | B        |             |                          | B                        | B                 | A            |                | A       | A        |                    |                    |                      | A                           | A                |                 |                      |                      | B                 | B              | A                  |                          | A       |                        |                     |               |               | A                    | B              |             |               | B                          |                        |                       | B               |   |
| Carbon Steel             |        | D                   | A              | B        | A           | A                        | B                        | B                 | B            | A              | A       | A        |                    |                    |                      | A                           | A                |                 |                      |                      | B                 | B              | A                  |                          | D       |                        |                     |               |               | B                    | A              |             |               | C                          |                        |                       | C               |   |
| Alloy 600                |        |                     |                |          |             |                          | A                        | A                 |              |                | A       |          |                    |                    |                      |                             |                  |                 |                      |                      |                   |                |                    |                          | A       |                        |                     |               |               | A                    | A              |             |               | A                          |                        |                       | A               |   |
| Alloy 400/450(Monel®)    |        | B                   |                |          |             |                          | A                        | A                 | B            |                | A       | A        |                    |                    |                      | B                           | A                |                 |                      |                      | B                 | C              | A                  |                          | B       |                        |                     |               |               | A                    | B              |             |               | A                          |                        |                       | B               |   |
| Alloy 20                 |        | B                   |                |          |             |                          | B                        | B                 | A            |                |         | A        |                    |                    |                      | A                           | A                |                 |                      |                      | A                 | A              | A                  |                          | A       |                        |                     |               |               | A                    | A              |             |               | A                          |                        |                       | A               |   |
| Alloy C 276 (Hastelloy®) | B      | B                   |                |          |             |                          | A                        | A                 |              |                | A       | A        |                    |                    |                      | A                           | A                |                 |                      |                      | A                 | A              | A                  |                          | A       |                        |                     |               |               | A                    | A              |             |               | A                          |                        |                       |                 |   |
| Titanium                 |        |                     |                |          |             |                          | A                        | A                 |              |                | A       |          |                    |                    |                      |                             |                  |                 |                      |                      |                   |                |                    |                          |         |                        |                     |               |               | A                    | A              |             |               | A                          |                        |                       | A               |   |
| Cast Iron                |        | D                   |                |          |             |                          | B                        | B                 | B            |                |         | B        |                    |                    |                      | A                           | B                |                 |                      |                      | B                 | B              | B                  |                          | D       |                        |                     |               |               | B                    | B              |             |               | B                          |                        |                       | B               |   |
| 316 Stainless Steel      |        | B                   |                | A        |             |                          | B                        | A                 | B            |                | A       | A        |                    |                    |                      | A                           | A                |                 |                      |                      | A                 | A              | A                  |                          | A       |                        |                     |               |               | A                    | B              |             |               | A                          |                        |                       | B               |   |
| 630 Stainless steel      |        |                     |                |          |             |                          |                          |                   |              |                |         |          |                    |                    |                      |                             |                  |                 |                      |                      |                   |                |                    |                          |         |                        |                     |               |               |                      |                |             |               |                            | A                      |                       |                 |   |
| Carpenter 20®            |        | B                   |                |          |             |                          | B                        | B                 | A            |                |         | A        |                    |                    |                      | A                           | A                |                 |                      |                      | A                 | A              | A                  |                          | A       |                        |                     |               |               | A                    | A              |             |               | A                          |                        |                       | A               |   |
| PTFE/PFA (Teflon®)       | B      | B                   | A              | A        | A           | A                        | A                        | A                 | A            | A              | B       | A        |                    |                    |                      | A                           | A                |                 |                      |                      | A                 | A              | A                  |                          | A       |                        |                     | A             |               | A                    | A              |             |               | A                          |                        |                       | A               |   |
| Nylon                    |        | A                   |                |          |             |                          | A                        | A                 | A            |                | A       | A        |                    |                    |                      | A                           | A                |                 |                      |                      | A                 | B              | A                  |                          | A       |                        |                     |               |               | A                    | A              |             |               | B                          |                        |                       |                 |   |
| Polyethylen(PE)          |        |                     |                |          |             |                          |                          |                   |              |                | D       |          |                    |                    |                      |                             |                  |                 |                      |                      |                   |                |                    |                          |         |                        |                     |               |               |                      |                |             |               | D                          |                        |                       |                 |   |
| POM (Delrin®)            |        | A                   | A              | A        | A           | C                        | A                        | A                 | A            | A              | B       | A        |                    |                    |                      | A                           | A                |                 |                      |                      | A                 | A              | A                  |                          | A       |                        |                     |               |               | A                    | A              |             |               | C                          |                        |                       | C               |   |
| PCTFE (Kel-F®)           |        | A                   |                |          |             |                          | A                        |                   |              |                |         |          |                    |                    |                      |                             |                  |                 |                      |                      |                   |                |                    |                          |         |                        |                     |               |               |                      |                |             |               |                            |                        |                       |                 |   |
| PEEK                     |        | A                   |                |          |             |                          | A                        | A                 | A            |                |         | A        |                    |                    |                      | A                           | A                |                 |                      |                      | A                 | A              | A                  |                          | A       |                        |                     |               |               | A                    | A              |             |               | A                          |                        |                       | A               |   |
| PVDF                     |        |                     |                |          |             |                          |                          |                   |              |                | A       |          |                    |                    |                      |                             |                  |                 |                      |                      |                   |                |                    |                          |         | A                      |                     |               |               |                      |                |             |               | A                          | A                      |                       |                 |   |
| UHMWPE                   |        | A                   | A              |          |             |                          |                          |                   |              |                | A       | D        |                    |                    |                      | D                           | D                |                 |                      |                      | D                 | D              | D                  |                          | A       |                        |                     |               |               | A                    | A              |             |               | A                          |                        |                       | A               |   |
| TPE                      |        |                     |                |          |             |                          |                          |                   |              |                | A       |          |                    |                    |                      |                             |                  |                 |                      |                      |                   |                |                    |                          |         |                        |                     |               |               |                      | A              |             |               | A                          |                        |                       |                 |   |
| Poly Acrylate            |        | D                   |                |          |             |                          |                          |                   |              | D              |         |          | D                  | D                  | D                    |                             |                  |                 |                      | D                    | D                 | D              |                    | D                        | D       |                        | D                   | D             |               | A                    | A              |             | D             |                            |                        |                       |                 |   |
| Poly Urethane            |        | D                   |                |          |             |                          |                          |                   |              | B              |         |          | A                  | B                  | B                    |                             |                  |                 |                      | B                    | B                 | B              | B                  |                          | B       | D                      |                     | D             |               | D                    | A              | A           |               | D                          |                        |                       |                 |   |
| NBR                      |        | B                   |                | A        | A           | A                        | C                        | A                 | A            | B              | A       | A        | C                  | A                  | A                    | C                           | C                | A               | A                    | C                    | C                 | C              | C                  | A                        | A       |                        | C                   | D             |               | A                    | A              | A           |               | A                          |                        |                       | A               |   |
| FPM (Viton®)             | A      | A                   | A              | A        | A           | A                        | A                        | A                 | A            | A              | A       | A        | A                  | A                  | A                    | A                           | A                | A               | A                    | A                    | A                 | A              | A                  | A                        | A       |                        | D                   | A             |               | A                    | A              | A           |               | A                          |                        |                       | A               |   |
| Neoprene                 |        | B                   | B              |          |             |                          | A                        | A                 | B            | D              | D       | D        | D                  | D                  | D                    | D                           | D                | D               | D                    | D                    | D                 | D              | D                  | D                        | A       |                        | D                   | B             |               | A                    | A              | A           |               | A                          |                        |                       | A               |   |
| EPDM                     |        | B                   | B              |          | D           | C                        | C                        |                   | D            |                | D       | D        | D                  | D                  | D                    | D                           | D                | D               | D                    | D                    | D                 | D              |                    | D                        | A       |                        | A                   | B             |               | A                    | B              | A           |               | A                          |                        |                       | A               |   |
| Kalrez®                  | D      | A                   | A              |          |             |                          |                          |                   |              |                | A       | A        |                    |                    |                      | A                           | A                |                 |                      |                      | A                 |                | A                  |                          |         | A                      |                     | A             | A             |                      | A              | A           |               | A                          | A                      | A                     | A               | A   |
| Grafoil®                 |        |                     |                |          |             |                          | A                        | A                 | A            |                |         | A        |                    |                    |                      | A                           | A                |                 |                      |                      | A                 | A              | A                  |                          | A       |                        |                     |               |               | A                    | A              |             |               | A                          |                        |                       | A               |   |
| Silicone                 |        |                     |                |          |             |                          |                          |                   |              | D              | D       |          | D                  | D                  | D                    |                             |                  |                 |                      | D                    | D                 | D              | D                  |                          | D       | A                      |                     | B             |               | A                    | A              | A           |               | A                          |                        |                       | A               |   |
| Fluorosilicone           |        | B                   |                |          |             |                          |                          |                   |              | A              | A       |          | A                  | A                  | A                    |                             |                  |                 |                      | A                    | A                 | A              |                    | A                        | A       |                        | D                   | A             |               | A                    | A              | A           |               | A                          |                        |                       | A               |   |

| Fluid Name               | GULF ENDURANCE OILS |                   |                  |                   |               |            |             |          |        |                      |   |
|--------------------------|---------------------|-------------------|------------------|-------------------|---------------|------------|-------------|----------|--------|----------------------|---|
|                          | Glycol Amine        | Glyco, Diethylene | Glycol, Ethylene | Glycol, Propylene | Glycolic Acid | Grain Mash | Grape Juice | Graphite | Grease | Green Sulfate Liquor |   |
| Formula                  |                     |                   |                  |                   |               |            |             |          |        |                      |   |
| Aluminum                 | C                   |                   |                  |                   |               |            | B           | B        |        |                      |   |
| Brass                    | D                   |                   |                  |                   |               |            | B           | C        |        |                      |   |
| Carbon Steel             |                     |                   |                  |                   |               |            |             | A        |        |                      |   |
| Alloy 600                |                     |                   |                  |                   |               |            |             | A        |        |                      |   |
| Alloy 400/450(Monel®)    |                     |                   |                  |                   |               |            | B           | B        |        |                      |   |
| Alloy 20                 |                     |                   |                  |                   |               |            | A           | A        |        |                      |   |
| Alloy C 276 (Hastelloy®) | D                   |                   |                  | A                 |               |            |             | A        |        |                      |   |
| Titanium                 |                     |                   |                  |                   |               |            |             | A        |        |                      |   |
| Cast Iron                | B                   |                   |                  |                   |               |            | C           | A        |        |                      |   |
| 316 Stainless Steel      | B                   |                   |                  |                   |               |            | B           | A        |        |                      |   |
| 630 Stainless steel      | A                   |                   |                  |                   |               |            |             |          |        |                      |   |
| Carpenter 20®            |                     |                   |                  |                   |               |            | A           | A        |        |                      |   |
| PTFE/PFA (Teflon®)       |                     |                   |                  | A                 |               | A          | A           | A        | A      | A                    | A |
| Nylon                    |                     |                   |                  |                   |               |            |             |          |        |                      |   |
| Polyethylen(PE)          |                     |                   |                  |                   |               |            |             |          |        |                      |   |
| POM (Delrin®)            | C                   |                   |                  |                   |               |            | A           | A        |        |                      |   |
| PCTFE (Kel-F®)           |                     |                   |                  |                   |               |            |             |          |        |                      |   |
| PEEK                     | A                   |                   |                  |                   |               |            | A           | A        |        |                      |   |
| PVDF                     |                     |                   |                  |                   |               |            |             |          |        |                      |   |
| UHMWPE                   |                     |                   |                  | A                 |               | B          |             |          |        |                      |   |
| TPE                      |                     |                   |                  |                   |               |            |             |          |        |                      |   |
| Poly Acrylate            |                     | D                 | D                | D                 |               | D          | D           |          |        | D                    |   |
| Poly Urethane            |                     | D                 | B                | D                 |               | D          | D           |          |        | D                    |   |
| NBR                      | A                   | A                 | A                | A                 | A             | A          | A           | B        | A      | B                    | A |
| FPM (Viton®)             | D                   | A                 | A                | A                 | A             | A          | A           | B        | A      | A                    | A |
| Neoprene                 |                     | A                 | A                | A                 |               | A          | A           | B        | C      | B                    |   |
| EPDM                     | D                   | A                 | A                | A                 |               | A          | A           | B        | D      | A                    | D |
| Kalrez®                  |                     |                   |                  |                   |               |            |             |          | A      | B                    | A |
| Grafoil®                 | A                   |                   |                  |                   |               |            | A           | A        |        |                      |   |
| Silicone                 |                     | A                 | A                | A                 |               | A          | A           |          |        | A                    | D |
| Fluorosilicone           |                     | A                 | A                | A                 |               | A          | A           |          |        | B                    | A |

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| Fluid Name               | HALOTHANE              | HALOWAX OIL | Heating Oil (Heavy) | Heating Oil (Light) | Heavy Oil | Heavy Water | HEF - 2 | HEF - 3 | Helium Gas | Heptachlor                                     | Heptanal                           | Heptane | n - Heptane   | Heptanoic Acid                                       | Hexamine | Hexachloro Acetone                  | Hexchlorobutadiene                           | Hexchloroethane                   | Hexadecane (Cetane)             | Hexaethyl Tetraphosphate (HETP) | Hexafluoroethane (FC 116)     | n - Hexaldehyde                                     | Hexamethyldisilazane (HMDS)  | Hexamethylenediamine  | Hexamethylenetetramine                         | Hexane | n - Hexane  | Hexanol, Tertiary | 1 - Hexene   | Hexone | Hexyl Acetate                                     | Hexyl Alcohol  | Hexylene Glycol   | Hexylresorcinol   | High Viscosity Lubricant H2 | High Viscosity Lubricant U4 | Honey |   |   |   |   |   |   |   |
|--------------------------|------------------------|-------------|---------------------|---------------------|-----------|-------------|---------|---------|------------|--|------------------------------------|---------|---|--|----------|-------------------------------------|--|-----------------------------------|---------------------------------|---------------------------------|-------------------------------|---|--|---|--|--------|---|-------------------|--|--------|---|--|---|---|-----------------------------|-----------------------------|-------|---|---|---|---|---|---|---|
| Formula                  | CF <sub>3</sub> CHBrCl |             |                     |                     |           |             |         |         | He         | C <sub>10</sub> H <sub>7</sub> Cl <sub>7</sub> | C <sub>6</sub> H <sub>13</sub> CHO |         | CH <sub>3</sub> (CH <sub>2</sub> ) <sub>6</sub> CH <sub>3</sub> | CH <sub>3</sub> (CH <sub>2</sub> ) <sub>6</sub> COOH |          | Cl <sub>3</sub> CCOCCl <sub>3</sub> | Cl <sub>2</sub> C : CCICl : CCl <sub>2</sub> | Cl <sub>3</sub> CCCl <sub>3</sub> | C <sub>16</sub> H <sub>34</sub> |                                 | C <sub>2</sub> F <sub>6</sub> | CH <sub>3</sub> (CH <sub>2</sub> ) <sub>4</sub> CHO | (CH <sub>3</sub> ) <sub>3</sub> SiHSi(CH <sub>3</sub> ) <sub>3</sub> | H <sub>2</sub> N(CH <sub>2</sub> ) <sub>6</sub> NH <sub>2</sub> | (CH <sub>2</sub> ) <sub>6</sub> N <sub>4</sub> |        | CH <sub>3</sub> (CH <sub>2</sub> ) <sub>4</sub> CH <sub>3</sub> |                   | CH <sub>3</sub> (CH <sub>2</sub> ) <sub>3</sub> CH : CH <sub>2</sub> |        | CH <sub>3</sub> COOC <sub>6</sub> H <sub>13</sub> | CH <sub>3</sub> (CH <sub>2</sub> ) <sub>4</sub> CH <sub>2</sub> OH | (CH <sub>3</sub> ) <sub>2</sub> COCH <sub>2</sub> CHOHCH <sub>3</sub> | C <sub>6</sub> H <sub>13</sub> C <sub>6</sub> H <sub>13</sub> (OH) <sub>2</sub> |                             |                             |       |   |   |   |   |   |   |   |
| Aluminum                 |                        |             | B                   | A                   |           |             |         |         | B          |  |                                    | A       |   |  |          |                                     |  |                                   |                                 |                                 |                               |   |  |   |  |        |   |                   |  |        |   |  |   |   |                             |                             |       |   |   |   |   |   |   |   |
| Brass                    |                        |             | B                   | B                   |           |             |         |         | B          |  |                                    | A       |   |  |          |                                     |  |                                   |                                 |                                 |                               |   |  |   |  |        |   | B                 | A  |        |   |  |   |   |                             |                             |       |   |   |   |   |   |   |   |
| Carbon Steel             |                        |             | B                   | B                   | A         |             |         |         | B          |  |                                    | B       |   |  |          |                                     |  |                                   |                                 |                                 |                               |   |  |   |  |        |   | B                 | A  |        |   |  |   |   |                             |                             |       |   |   |   |   |   |   |   |
| Alloy 600                |                        |             |                     |                     |           |             |         |         |            |  |                                    | A       |   |  |          |                                     |  |                                   |                                 |                                 |                               |   |  |   |  |        |   | A                 |  |        |   |  |   |   |                             |                             |       |   |   |   |   |   |   |   |
| Alloy 400/450(Monel®)    |                        |             |                     |                     |           |             |         |         | B          |  |                                    | B       |   |  |          |                                     |  |                                   |                                 |                                 |                               |   |  |   |  |        |   | B                 | A  |        |   |  |   |   |                             |                             |       |   |   |   |   |   |   |   |
| Alloy 20                 |                        |             |                     |                     |           |             |         |         | A          |  |                                    | A       |   |  |          |                                     |  |                                   |                                 |                                 |                               |   |  |   |  |        |   | A                 | A  |        |   |  |   |   |                             |                             |       |   |   |   |   |   |   |   |
| Alloy C 276 (Hastelloy®) |                        |             |                     |                     |           |             |         |         | A          |  |                                    | A       |   |  |          |                                     |  |                                   |                                 |                                 |                               |   |  |   |  |        |   | A                 | A  |        |   |  |   |   |                             |                             |       |   |   |   | A |   |   |   |
| Titanium                 |                        |             |                     |                     |           |             |         |         |            |  |                                    | A       |   |  |          |                                     |  |                                   |                                 |                                 |                               |   |  |   |  |        |   | A                 |  |        |   |  |   |   |                             |                             |       |   |   |   |   |   |   |   |
| Cast Iron                |                        |             |                     |                     |           |             |         |         | B          |  |                                    | B       |   |  |          |                                     |  |                                   |                                 |                                 |                               |   |  |   |  |        |   | B                 | A  |        |   |  |   |   |                             |                             |       |   |   |   |   |   |   |   |
| 316 Stainless Steel      |                        |             | A                   | A                   |           |             |         |         | A          |  |                                    | A       |   |  |          |                                     |  |                                   |                                 |                                 |                               |   |  |   |  |        |   | A                 | A  |        |   |  |   |   |                             |                             |       |   |   |   |   |   |   |   |
| 630 Stainless steel      |                        |             |                     |                     |           |             |         |         |            |  |                                    |         |   |  |          |                                     |  |                                   |                                 |                                 |                               |   |  |   |  |        |   |                   |  |        |   |  |   |   |                             |                             |       |   |   |   |   |   |   |   |
| Carpenter 20®            |                        |             |                     |                     |           |             |         |         | A          |  |                                    | A       |   |  |          |                                     |  |                                   |                                 |                                 |                               |   |  |   |  |        |   | A                 | A  |        |   |  |   |   |                             |                             |       |   |   |   |   |   |   |   |
| PTFE/PFA (Teflon®)       | A                      | A           | A                   | A                   | A         | A           | A       | A       | A          |  |                                    | A       | C   |  |          | D                                   |  |                                   | A                               |                                 |                               |   |  |   |  |        | A   | B                 | A  | C      |   |  |   |   |                             |                             |       | A | A | A |   |   |   |   |
| Nylon                    |                        |             |                     |                     |           |             |         |         |            |  |                                    |         |   |  |          |                                     |  |                                   |                                 |                                 |                               |   |  |   |  |        |   | A                 | A  |        |   |  |   |   |                             |                             |       |   |   |   |   |   |   |   |
| Polyethylen(PE)          |                        |             |                     |                     |           |             |         |         |            |  |                                    |         |   |  |          |                                     |  |                                   |                                 |                                 |                               |   |  |   |  |        |   |                   |  |        |   |  |   |   |                             |                             |       |   |   |   |   |   |   |   |
| POM (Delrin®)            |                        |             | C                   | C                   | C         |             |         |         | A          |  |                                    | A       |   |  |          |                                     |  |                                   |                                 |                                 |                               |   |  |   |  |        |   | A                 | A  |        |   |  |   |   |                             |                             |       |   |   |   |   |   |   |   |
| PCTFE (Kel-F®)           |                        |             |                     |                     |           |             |         |         |            |  |                                    |         |   |  |          |                                     |  |                                   |                                 |                                 |                               |   |  |   |  |        |   | C                 |  |        |   |  |   |   |                             |                             |       |   |   |   |   |   |   |   |
| PEEK                     |                        |             |                     |                     |           |             |         |         | A          |  |                                    | A       |   |  |          |                                     |  |                                   |                                 |                                 |                               |   |  |   |  |        |   | A                 | A  |        |   |  |   |   |                             |                             |       |   |   |   |   |   |   |   |
| PVDF                     |                        |             |                     |                     |           |             |         |         |            |  |                                    | A       |   |  |          |                                     | A  | A                                 |                                 |                                 |                               |   |  |   |  |        |   |                   | A  | A      |   |  |   |   |                             |                             |       |   |   |   |   | A |   |   |
| UHMWPE                   |                        |             |                     |                     |           |             |         |         | A          |  |                                    | C       |   |  |          |                                     |  |                                   |                                 |                                 |                               |   |  |   |  |        |   |                   | D  | A      |   |  |   |   |                             |                             |       |   |   |   |   | B |   |   |
| TPE                      |                        |             |                     |                     |           |             |         |         |            |  |                                    |         |   |  |          |                                     |  |                                   |                                 |                                 |                               |   |  |   |  |        |   | A                 |  |        |   |  |   |   |                             |                             |       |   |   |   |   |   |   |   |
| Poly Acrylate            |                        |             |                     |                     |           |             |         |         | D          | A  |                                    | A       |   |  |          | D                                   | D  |                                   |                                 |                                 |                               |   |  |   |  |        |   | A                 |  |        |   |  |   |   |                             |                             |       |   |   |   |   |   |   |   |
| Poly Urethane            |                        |             |                     |                     |           |             |         |         | D          | A  |                                    | B       |   |  |          | D                                   | D  |                                   |                                 |                                 |                               |   |  |   |  |        |   | B                 |  |        |   |  |   |   |                             |                             |       |   |   |   |   |   |   |   |
| NBR                      | D                      | D           | D                   | B                   | C         | A           | B       | B       | A          |  |                                    | A       | A   |  |          | D                                   | D  |                                   |                                 | A                               |                               | A   | D  |   |  |        | A   | A                 | A  | B      | D   |  |   |   |                             |                             |       |   | A | A | A |   |   |   |
| FPM (Viton®)             | A                      | A           | C                   | B                   | C         | B           | A       | A       | A          |  |                                    | A       | A   |  |          | D                                   | D  |                                   |                                 | A                               |                               | B   | D  |   |  |        | A   | A                 | B  | A      | D   |  |   |   |                             |                             |       |   | A | A | A |   |   |   |
| Neoprene                 |                        |             |                     |                     |           |             |         |         | D          | A  |                                    | B       |   |  |          | D                                   | D  |                                   |                                 |                                 |                               |   |  |   |  |        |   | B                 | C  |        |   |  |   |   |                             |                             |       |   |   |   |   |   |   |   |
| EPDM                     | D                      | D           | D                   | D                   | C         | A           | D       | D       | A          |  |                                    | D       | D   |  |          | A                                   | A  |                                   |                                 |                                 |                               |   |  |   |  |        |   | D                 | D  | D      | D   | A  |   |   |                             |                             |       |   |   |   | A | A |   |   |
| Kalrez®                  | B                      | B           |                     |                     |           |             |         |         | A          | A  | A                                  | A       | A   | A  |          | A                                   | A  | A                                 | A                               | A                               | A                             | B   | A  | A   | B  | B      |   | A                 | A  | A      |   |  |   |   |                             |                             |       |   |   |   |   |   |   |   |
| Grafoil®                 |                        |             |                     |                     |           |             |         |         | A          |  |                                    | A       |   |  |          |                                     |  |                                   |                                 |                                 |                               |   |  |   |  |        |   | A                 |  |        |   |  |   |   |                             |                             |       |   |   |   |   |   |   |   |
| Silicone                 | D                      | D           |                     |                     |           |             |         |         | A          | D  | D                                  | A       |   |  |          | D                                   | D  |                                   |                                 |                                 |                               |   |  |   |  |        |   | D                 | D  |        |   |  |   |   |                             |                             |       |   |   |   |   | A | A |   |
| Fluorosilicone           | B                      | A           |                     |                     |           |             |         |         | A          | B  | B                                  | A       |   |  |          | A                                   | C  |                                   |                                 |                                 |                               |   |  |   |  |        |   | A                 | A  |        |   |  |   |   |                             |                             |       |   |   |   |   |   | B | B |



| Fluid Name               | Hot Water, max. +80 °C | Hot Water, max. +180 °C | Hought - O - Safe (1000 & 1100 Series) | Hought - O - Safe (620) | Hydraulic Fluid | Hydraulic Fluid (Glycol Basis) | Hydraulic Fluid (Mineral Oil Basis) | Hydraulic Fluid (Phosphore - Ester Basis) | Hydraulic Fluid (sp. MIL - H - 5606) | Hydraulic Fluid (Petroleum Based) | Hydraulic Oil, Petroleum Base | Hydraulic Oil, Synthetic Base | Hydrazine                       | Hydrazine Anhydrous | Hydrazine Dihydrochloride            | Hydrazine Hydrate                      | Hydroiodic Acid | Hydrobromic Acid | Hydrobromic Acid 20% | Hydrobromic Acid 100% | Hydrobromic Acid 100% | Hydrocarbons, Light | Hydrochloric Acid | Hydrochloric Acid 20% | Hydrochloric Acid 37% | Hydrochloric Acid 100% | Hydrocyanic Acid | Hydrocyanic Acid Gas 10% | Hydrofluoric Acid | Hydrofluoric Acid 20% | Hydrofluoric Acid 50% | Hydrofluoric Acid 75% | Hydrofluoric Acid, Anhydrous | Hydrofluoric Acid 100% | Hydrofluosilicic Acid | Hydrofluosilicic Acid 20% | Hydrofluosilicic Acid 100% | Hydrogen, Gas |                |   |   |
|--------------------------|------------------------|-------------------------|--|-------------------------|-----------------|--------------------------------|-------------------------------------|---|--------------------------------------|-----------------------------------|-------------------------------|-------------------------------|---------------------------------|---------------------|--------------------------------------|--|-----------------|------------------|----------------------|-----------------------|-----------------------|---------------------|-------------------|-----------------------|-----------------------|------------------------|------------------|--------------------------|-------------------|-----------------------|-----------------------|-----------------------|------------------------------|------------------------|-----------------------|---------------------------|----------------------------|---------------|----------------|---|---|
| Formula                  |                        |                         |  |                         |                 |                                |                                     |   |                                      |                                   |                               |                               | H <sub>2</sub> NNH <sub>2</sub> |                     | N <sub>2</sub> H <sub>4</sub> : 2HCl | NH <sub>2</sub> NNH <sub>2</sub> : HOH | HI              | HBr              |                      |                       |                       |                     | HCl               | HCl                   | HCl                   | HCl                    | HCN              | HCN                      | HF                | HF                    | HF                    | HF                    | HF                           | HF                     |                       |                           |                            |               | H <sub>2</sub> |   |   |
| Aluminum                 |                        |                         |  |                         | A               | A                              |                                     | D   | A                                    | A                                 |                               | C                             |                                 |                     |                                      |  |                 | D                |                      |                       |                       |                     | D                 |                       |                       |                        | A                | D                        |                   |                       |                       |                       |                              |                        |                       | D                         |                            |               |                |   |   |
| Brass                    |                        |                         |  |                         | C               | C                              |                                     |   | A                                    | A                                 | B                             | D                             |                                 |                     |                                      |  |                 | D                |                      |                       |                       |                     | D                 |                       |                       |                        | D                | D                        |                   |                       |                       |                       |                              |                        |                       |                           | A                          |               |                |   |   |
| Carbon Steel             | A                      | A                       |  |                         | A               | A                              | A                                   | A   | B                                    | A                                 | A                             |                               |                                 |                     |                                      |  |                 | D                |                      |                       |                       |                     | D                 |                       |                       |                        | D                | D                        |                   |                       |                       |                       |                              |                        |                       |                           |                            | D             |                |   |   |
| Alloy 600                |                        |                         |  |                         |                 |                                |                                     |   |                                      | A                                 |                               |                               |                                 |                     |                                      |  |                 |                  |                      |                       |                       |                     | D                 |                       |                       |                        | A                | D                        |                   |                       |                       |                       |                              |                        |                       |                           |                            |               |                |   |   |
| Alloy 400/450(Monel®)    |                        |                         |  |                         |                 |                                |                                     |   |                                      | A                                 |                               | D                             |                                 |                     |                                      |  |                 | D                |                      |                       |                       |                     | B                 |                       |                       |                        | C                | B                        |                   |                       |                       |                       |                              |                        |                       |                           | B                          |               |                |   |   |
| Alloy 20                 |                        |                         |  |                         |                 |                                |                                     |   |                                      | A                                 |                               | B                             |                                 |                     |                                      |  |                 |                  |                      |                       |                       |                     | D                 |                       |                       |                        | A                |                          |                   |                       |                       |                       |                              |                        |                       |                           | B                          |               |                |   |   |
| Alloy C 276 (Hastelloy®) |                        |                         |  |                         |                 |                                |                                     |   |                                      | A                                 | A                             |                               |                                 |                     |                                      |  |                 | A                | C                    |                       |                       |                     | A                 | B                     | A                     | B                      | B                | B                        | B                 | B                     | B                     | B                     | B                            | B                      | B                     | B                         | B                          | B             | A              |   |   |
| Titanium                 |                        |                         |  |                         |                 |                                |                                     |   |                                      | A                                 |                               |                               |                                 |                     |                                      |  |                 | A                |                      |                       |                       |                     | D                 |                       |                       |                        | A                | C                        |                   |                       |                       |                       |                              |                        |                       |                           |                            |               |                |   |   |
| Cast Iron                |                        |                         |  |                         |                 |                                |                                     |   |                                      | B                                 |                               | D                             |                                 |                     |                                      |  |                 |                  |                      |                       |                       |                     |                   |                       |                       |                        |                  | C                        |                   |                       |                       |                       |                              |                        |                       |                           |                            | D             |                |   |   |
| 316 Stainless Steel      |                        |                         |  |                         | B               | B                              |                                     | A   | A                                    | A                                 |                               | B                             |                                 |                     |                                      |  |                 | D                |                      |                       |                       |                     | D                 |                       |                       |                        | A                |                          |                   |                       |                       |                       |                              |                        |                       |                           |                            | C             |                |   |   |
| 630 Stainless steel      |                        |                         |  |                         |                 |                                |                                     |   |                                      |                                   |                               |                               |                                 |                     |                                      |  |                 |                  |                      |                       |                       |                     |                   |                       |                       |                        |                  |                          |                   |                       |                       |                       |                              |                        |                       |                           |                            |               |                |   |   |
| Carpenter 20®            |                        |                         |  |                         |                 |                                |                                     |   |                                      | A                                 |                               | B                             |                                 |                     |                                      |  |                 |                  |                      |                       |                       |                     |                   |                       |                       |                        | A                |                          |                   |                       |                       |                       |                              |                        |                       |                           |                            | B             |                |   |   |
| PTFE/PFA (Teflon®)       | A                      | A                       |  |                         | A               | A                              | A                                   | A   | A                                    | A                                 | A                             | A                             | A                               |                     |                                      |  |                 | A                |                      | A                     |                       |                     | A                 | A                     | A                     | A                      | A                | A                        | A                 | A                     | A                     | A                     | A                            | A                      | A                     | A                         | A                          | A             | A              | A |   |
| Nylon                    |                        |                         |  |                         |                 |                                |                                     |   |                                      |                                   |                               |                               |                                 |                     |                                      |  |                 | D                |                      |                       |                       |                     |                   | D                     |                       |                        |                  |                          |                   |                       |                       |                       |                              |                        |                       |                           |                            |               |                |   |   |
| Polyethylen(PE)          |                        |                         |  |                         |                 |                                |                                     |   |                                      |                                   |                               |                               |                                 |                     |                                      |  |                 |                  |                      |                       |                       |                     |                   | B                     |                       |                        |                  |                          |                   |                       |                       |                       |                              |                        |                       |                           |                            |               |                |   |   |
| POM (Delrin®)            | A                      | C                       |  |                         | A               | C                              | A                                   | A   | A                                    | A                                 | A                             | D                             |                                 |                     |                                      |  |                 |                  |                      |                       |                       |                     |                   | D                     |                       |                        | D                | D                        |                   |                       |                       |                       |                              |                        |                       |                           |                            | A             |                |   |   |
| PCTFE (Kel-F®)           |                        |                         |  |                         |                 |                                |                                     |   |                                      |                                   |                               |                               |                                 |                     |                                      |  |                 |                  |                      |                       |                       |                     |                   |                       |                       |                        |                  |                          |                   |                       |                       |                       |                              |                        |                       |                           |                            |               |                |   |   |
| PEEK                     |                        |                         |  |                         |                 |                                |                                     |   |                                      | A                                 |                               | A                             |                                 |                     |                                      |  |                 |                  |                      |                       |                       |                     |                   |                       |                       |                        | A                | D                        | D                 | D                     | D                     | D                     | D                            | D                      | D                     | D                         | D                          | D             | D              | D |   |
| PVDF                     |                        |                         |  |                         |                 |                                |                                     |   |                                      | A                                 | A                             | C                             |                                 |                     |                                      |  |                 | A                |                      |                       |                       |                     | A                 |                       |                       |                        | A                | A                        |                   |                       |                       |                       |                              |                        |                       |                           |                            |               |                | A |   |
| UHMWPE                   |                        |                         |  |                         |                 |                                |                                     |   |                                      | C                                 | A                             |                               |                                 |                     |                                      |  |                 |                  |                      | B                     | B                     |                     |                   |                       | A                     | B                      | A                |                          |                   | A                     | A                     | C                     |                              |                        |                       |                           |                            | B             | B              | A |   |
| TPE                      |                        |                         |  |                         |                 |                                |                                     |   |                                      |                                   |                               | C                             |                                 |                     |                                      |  |                 |                  |                      |                       |                       |                     |                   | B                     | C                     |                        | C                |                          |                   |                       |                       |                       |                              |                        |                       |                           |                            |               |                | A |   |
| Poly Acrylate            |                        |                         | D                                      | D                       |                 |                                |                                     |   |                                      | A                                 |                               |                               |                                 |                     |                                      |  |                 | D                |                      |                       |                       |                     | A                 | D                     |                       |                        | D                | D                        |                   |                       |                       |                       |                              |                        |                       |                           |                            |               |                | B |   |
| Poly Urethane            |                        |                         |  | D                       |                 |                                |                                     |   |                                      | A                                 |                               | D                             |                                 |                     |                                      |  |                 | D                |                      |                       |                       |                     | A                 | D                     |                       |                        |                  |                          | D                 |                       |                       |                       |                              |                        |                       |                           |                            |               |                | A |   |
| NBR                      | A                      | C                       | D                                      | A                       | A               | C                              | A                                   | D   | A                                    | A                                 | A                             | D                             | B                               | B                   |                                      |  |                 | D                | D                    | D                     | A                     | D                   |                   | D                     | D                     | B                      | B                | D                        | D                 | D                     | D                     | D                     | D                            | D                      | D                     | D                         | B                          | A             | B              | A |   |
| FPM (Viton®)             | A                      | C                       | A                                      | B                       | A               | C                              | B                                   | D   | A                                    | A                                 | A                             | D                             | D                               |                     |                                      |  |                 | A                | A                    | A                     | A                     | A                   | A                 | A                     | A                     | A                      | A                | A                        | B                 | A                     | B                     | B                     | B                            | B                      | A                     | C                         | A                          | A             | A              | A |   |
| Neoprene                 |                        |                         | D                                      | B                       |                 |                                |                                     |   |                                      | C                                 |                               | B                             | B                               |                     |                                      |  |                 | D                |                      |                       |                       |                     | D                 | D                     |                       | B                      | D                |                          |                   |                       |                       |                       |                              |                        |                       |                           |                            | B             |                | A |   |
| EPDM                     | A                      | A                       | A                                      | A                       | A               | A                              | C                                   | A   | D                                    | D                                 | D                             | A                             | A                               |                     |                                      |  |                 | A                |                      |                       |                       |                     | D                 | C                     |                       | C                      | B                | A                        | D                 |                       |                       |                       |                              |                        |                       |                           |                            |               |                | A |   |
| Kalrez®                  |                        |                         |  |                         |                 |                                |                                     |   |                                      | A                                 | A                             | B                             |                                 | A                   | A                                    | A                                      |                 |                  |                      |                       |                       |                     |                   |                       |                       | A                      | A                | A                        |                   |                       |                       |                       |                              |                        |                       |                           |                            |               |                |   | A |
| Grafoil®                 |                        |                         |  |                         |                 |                                |                                     |   |                                      | A                                 |                               |                               |                                 |                     |                                      |  |                 |                  |                      |                       |                       |                     |                   |                       |                       |                        |                  |                          |                   |                       |                       |                       |                              |                        |                       |                           |                            |               |                | A |   |
| Silicone                 |                        |                         | C                                      | B                       |                 |                                |                                     |   |                                      | D                                 |                               | C                             | B                               |                     |                                      |  |                 | D                |                      |                       |                       |                     | D                 | D                     |                       | C                      | D                | C                        | D                 | D                     |                       |                       |                              |                        |                       |                           |                            |               |                |   | C |
| Fluorosilicone           |                        |                         | B                                      | B                       |                 |                                |                                     |   |                                      | A                                 |                               | D                             | D                               |                     |                                      |  |                 | C                |                      |                       |                       |                     |                   |                       |                       | B                      | C                | B                        | D                 |                       |                       |                       |                              |                        |                       |                           |                            |               |                |   | C |



# [ Fluid Compatibility Guide - I,J,K ]

| Fluid Name               | Illuminating Gas | Ink - Newsprint | Iodine | Iodoform       | Iron Pyritic Acid | Iron Sulfate Solution | Iso - Butane | Iso - Butyl Alcohol | Iso - Butyl Methyl Ketone | Iso - Butylene | Iso - Butyraldehyde | Iso - Cyamate | Iso - Octane | Iso - Pentane | Isopropyl Acetate | Isopropyl Alcohol                    | Isopropyl Benzene | Isopropyl Chloride | Isopropyl Ether | JP - 4 Fuel | JP - 5 Fuel | JP - 6 Fuel | Kerosene | Ketchup | Ketones |
|--------------------------|------------------|-----------------|--------|----------------|-------------------|-----------------------|--------------|---------------------|---------------------------|----------------|---------------------|---------------|--------------|---------------|-------------------|--------------------------------------|-------------------|--------------------|-----------------|-------------|-------------|-------------|----------|---------|---------|
|                          | Formula          |                 |        | I <sub>2</sub> |                   |                       |              |                     |                           |                |                     |               |              |               |                   | (CH <sub>3</sub> ) <sub>2</sub> CHOH |                   |                    |                 |             |             |             |          |         |         |
| Aluminum                 | A                | C               | D      | C              |                   |                       |              |                     |                           |                |                     |               | A            |               | B                 |                                      |                   |                    | B               | A           | A           | A           | A        | D       | A       |
| Brass                    | A                | C               | D      | C              |                   |                       |              |                     |                           |                |                     |               | A            |               | B                 |                                      |                   |                    | A               | A           | A           | A           | A        | D       | A       |
| Carbon Steel             | A                | D               | D      | B              |                   |                       |              |                     |                           |                |                     |               | A            |               | A                 |                                      |                   |                    | A               | A           | A           | A           | B        | D       | A       |
| Alloy 600                | A                |                 | D      | B              |                   |                       |              |                     |                           |                |                     |               |              |               | A                 |                                      |                   |                    |                 |             |             |             |          |         |         |
| Alloy 400/450(Monel®)    | A                | B               | B      | C              |                   |                       |              |                     |                           |                |                     |               | A            |               | B                 |                                      |                   |                    | B               | A           | A           | A           | A        | B       | A       |
| Alloy 20                 | A                | A               |        | A              |                   | B                     |              |                     |                           |                |                     |               | A            | A             |                   |                                      |                   |                    | A               | A           | A           | A           | A        | A       | A       |
| Alloy C 276 (Hastelloy®) | A                |                 | B      | B              |                   |                       |              |                     |                           |                |                     |               |              |               | A                 |                                      |                   |                    | A               | A           | A           | A           | A        |         |         |
| Titanium                 | A                |                 | D      | A              |                   |                       |              |                     |                           |                |                     |               | A            |               | A                 |                                      |                   |                    | A               | A           | A           | A           | A        | A       | A       |
| Cast Iron                | A                | D               |        | C              |                   |                       |              |                     |                           |                |                     |               | B            |               |                   |                                      |                   |                    | B               | B           | A           | A           | B        | D       | A       |
| 316 Stainless Steel      | A                | A               | B      | A              |                   | B                     |              |                     |                           |                |                     |               | A            | B             | B                 |                                      |                   |                    | A               | A           | A           | A           | A        | A       | A       |
| 630 Stainless steel      |                  |                 |        |                |                   |                       |              |                     |                           |                |                     |               |              |               |                   |                                      |                   |                    |                 |             |             |             |          |         |         |
| Carpenter 20®            | A                | A               |        | A              |                   | B                     |              |                     |                           |                |                     |               | A            | A             |                   |                                      |                   |                    | A               | A           | A           | A           | A        | A       | A       |
| PTFE/PFA (Teflon®)       | A                | A               | A      | A              |                   | A                     |              |                     |                           |                |                     |               | A            | A             | A                 |                                      |                   |                    | A               | A           | A           | A           | A        | A       | A       |
| Nylon                    |                  | A               |        |                |                   |                       |              |                     |                           |                |                     |               |              |               |                   |                                      |                   |                    |                 |             |             |             |          |         |         |
| Polyethylen(PE)          |                  |                 |        | C              |                   |                       |              |                     |                           |                |                     |               |              |               |                   |                                      |                   |                    |                 |             |             |             |          | B       |         |
| POM (Delrin®)            | A                | A               | A      | A              |                   | D                     |              |                     |                           |                |                     |               | D            | A             | B                 |                                      |                   |                    | A               | A           | A           | A           | A        | A       | A       |
| PCTFE (Kel-F®)           |                  |                 |        |                |                   |                       |              |                     |                           |                |                     |               |              |               |                   |                                      |                   |                    |                 |             |             |             |          |         |         |
| PEEK                     | A                | A               |        | A              |                   | A                     |              |                     |                           |                |                     |               | A            | A             |                   |                                      |                   |                    | A               | A           | A           | A           | A        | A       | A       |
| PVDF                     |                  |                 |        | A              | A                 |                       |              |                     |                           |                |                     |               | A            |               | A                 |                                      |                   |                    | A               | A           |             |             | A        | A       |         |
| UHMWPE                   |                  | A               |        | A              |                   | A                     |              |                     |                           |                |                     |               | A            |               |                   |                                      |                   |                    | A               | A           |             |             |          | A       |         |
| TPE                      |                  |                 |        |                |                   |                       |              |                     |                           |                |                     |               |              |               |                   |                                      |                   |                    |                 |             |             |             |          |         |         |
| Poly Acrylate            |                  |                 |        |                |                   |                       |              |                     |                           |                |                     |               |              |               |                   |                                      |                   |                    |                 |             |             |             |          |         |         |
| Poly Urethane            |                  |                 |        |                |                   |                       |              |                     |                           |                |                     |               |              |               |                   |                                      |                   |                    |                 |             |             |             |          |         |         |
| NBR                      | C                | A               | B      |                |                   | B                     |              |                     |                           |                |                     |               | A            | D             | C                 |                                      |                   |                    | B               | A           | A           | A           | A        | A       | D       |
| FPM (Viton®)             | D                | A               | A      | A              |                   | A                     |              |                     |                           |                |                     |               | A            | B             | C                 |                                      |                   |                    | A               | A           | D           | B           | A        | B       | A       |
| Neoprene                 | D                | A               | B      | C              |                   | A                     |              |                     |                           |                |                     |               | D            | C             | C                 |                                      |                   |                    | C               | C           | C           | C           | C        | B       | D       |
| EPDM                     | D                | B               | A      | B              | A                 | A                     | B            | A                   | A                         | D              | A                   | A             | D            | D             | B                 | A                                    | D                 | D                  | B               | B           | A           | B           | D        | D       | C       |
| Kalrez®                  | A                | A               |        | A              |                   | A                     |              |                     |                           |                |                     |               | A            |               |                   |                                      |                   |                    | A               | A           |             |             |          |         |         |
| Grafoil®                 | A                | A               |        | A              |                   | A                     |              |                     |                           |                |                     |               | A            | A             |                   |                                      |                   |                    | A               | A           | A           | A           | A        | A       | A       |
| Silicone                 |                  |                 |        |                |                   |                       |              |                     |                           |                |                     |               |              |               |                   |                                      |                   |                    |                 |             |             |             |          |         |         |
| Fluorosilicone           |                  |                 |        |                |                   |                       |              |                     |                           |                |                     |               |              |               |                   |                                      |                   |                    |                 |             |             |             |          |         |         |

# [ Fluid Compatibility Guide - L ]

| Fluid Name               | Lactic Acid Concentrated cold | Lactic Acid Concentrated hot | Lactic Acid Dilute cold | Lactic Acid Dilute hot | Lactose | Lard | Lactic Acid | Latex | Laquer(and Solvent) | Lactic Acid | Lard | Latex | Lead Acetate      | Lead Sulfate | Lecithin | Lead Acetate Salt Soolution | Lead Nitrate Solution | Linseed Oil | Linoleic Acid | Lithium Chloride | Lime Water(Milk of Lime) | Lindol | Linseed Oil | Lithium Bromide Brine | Lithium Hydroxide | Liard Oil | LPG | Lubricating Oil Petroleum Base | Ludox | Lube Oil(SAE)10,20,30,etc.. | Lyes(alkaline) |  |
|--------------------------|-------------------------------|------------------------------|-------------------------|------------------------|---------|------|-------------|-------|---------------------|-------------|------|-------|-------------------|--------------|----------|-----------------------------|-----------------------|-------------|---------------|------------------|--------------------------|--------|-------------|-----------------------|-------------------|-----------|-----|--------------------------------|-------|-----------------------------|----------------|--|
| Formula                  |                               |                              |                         |                        |         |      |             |       |                     |             |      |       | $Pb(C_2H_3O_2)_2$ | $PbSO_4$     |          | $Pb(NO_3)_2$                |                       |             |               |                  |                          |        |             |                       |                   |           |     |                                |       |                             |                |  |
| Aluminum                 | C                             | C                            | A                       | B                      | B       | A    | A           | A     | A                   |             |      |       | D                 | D            | C        |                             | A                     |             | D             |                  |                          |        |             |                       |                   | B         | A   | A                              | D     |                             |                |  |
| Brass                    | D                             | D                            | D                       | D                      | B       | B    | D           | A     | B                   |             |      |       | C                 | C            | C        |                             | B                     |             | B             |                  |                          |        |             |                       |                   | B         | A   | B                              | D     |                             |                |  |
| Carbon Steel             | D                             | D                            | D                       | D                      |         |      | D           | B     | C                   |             |      |       | D                 |              |          |                             | A                     |             |               |                  |                          |        |             |                       |                   | C         | B   | A                              |       |                             | B              |  |
| Alloy 600                |                               |                              |                         |                        |         |      |             | A     |                     |             |      |       |                   |              |          |                             |                       |             |               |                  |                          |        |             |                       |                   |           |     |                                |       |                             |                |  |
| Alloy 400/450(Monel®)    | D                             | D                            | C                       | D                      | B       |      | B           |       | B                   |             |      |       | B                 | B            | B        |                             | B                     |             | B             |                  |                          |        |             |                       |                   | B         | B   | B                              | B     |                             |                |  |
| Alloy 20                 | A                             | A                            | A                       | A                      | B       | A    |             |       | A                   |             |      |       | B                 | B            | B        |                             | A                     |             | A             |                  |                          |        |             |                       |                   | A         | B   | A                              | B     |                             |                |  |
| Alloy C 276 (Hastelloy®) | A                             | B                            | A                       | B                      |         |      | B           |       |                     |             |      |       |                   |              |          |                             |                       |             |               |                  |                          |        |             |                       |                   |           |     |                                |       |                             |                |  |
| Titanium                 |                               |                              |                         |                        |         |      | A           |       |                     |             |      |       |                   |              |          |                             |                       |             |               |                  |                          |        |             |                       |                   |           |     |                                |       |                             |                |  |
| Cast Iron                | D                             | D                            | D                       | D                      | C       | A    |             |       | C                   |             |      |       | D                 | D            | C        |                             | A                     |             | B             |                  |                          |        |             |                       |                   | C         | B   | A                              | B     |                             |                |  |
| 316 Stainless Steel      | A                             | B                            | A                       | A                      | B       | A    | B           | A     | A                   |             |      |       | B                 | B            | B        |                             | A                     |             | B             |                  |                          |        |             |                       |                   | B         | B   | A                              | B     |                             |                |  |
| 630 Stainless steel      | D                             | D                            | B                       | D                      |         |      |             |       |                     |             |      |       |                   |              |          |                             |                       |             |               |                  |                          |        |             |                       |                   |           |     |                                |       |                             |                |  |
| Carpenter 20®            | A                             | A                            | A                       | A                      | B       | A    |             |       | A                   |             |      |       | B                 | B            | B        |                             | A                     |             | A             |                  |                          |        |             |                       |                   | A         | B   | A                              | B     |                             |                |  |
| PTFE/PFA (Teflon®)       | A                             | A                            | A                       | A                      | A       |      | A           | A     | A                   |             |      |       | A                 | A            | A        |                             | A                     |             | A             |                  |                          |        |             |                       |                   | A         | A   | A                              | A     |                             | A              |  |
| Nylon                    | A                             |                              |                         |                        |         |      |             |       |                     |             |      |       |                   |              |          |                             |                       |             |               |                  |                          |        |             |                       |                   |           |     |                                |       |                             |                |  |
| Polyethylen(PE)          |                               |                              |                         |                        |         |      | B           |       |                     |             |      |       |                   |              |          |                             |                       |             |               |                  |                          |        |             |                       |                   |           |     |                                |       |                             |                |  |
| POM (Delrin®)            | D                             | D                            | D                       | D                      | A       |      | D           | A     | A                   |             |      |       | A                 | A            | A        |                             | A                     |             | A             |                  |                          |        |             |                       |                   | A         | A   | A                              | B     |                             | A              |  |
| PCTFE (Kel-F®)           |                               |                              |                         |                        |         |      |             |       |                     |             |      |       |                   |              |          |                             |                       |             |               |                  |                          |        |             |                       |                   |           |     |                                |       |                             |                |  |
| PEEK                     | A                             | A                            | A                       | A                      | A       |      |             |       | A                   |             |      |       | A                 | A            | A        |                             | A                     |             | A             |                  |                          |        |             |                       |                   | A         | A   | A                              | A     |                             |                |  |
| PVDF                     |                               |                              |                         |                        | A       |      | A           |       |                     |             |      |       | A                 | A            |          |                             | A                     |             | A             |                  | C                        |        |             |                       |                   | C         |     |                                |       |                             |                |  |
| UHMWPE                   | A                             | A                            | A                       | A                      |         |      |             |       |                     |             |      |       | A                 | A            |          |                             | A                     |             |               |                  |                          |        |             |                       |                   | A         |     | C                              |       |                             |                |  |
| TPE                      |                               |                              |                         |                        |         |      |             |       |                     |             |      |       |                   |              |          |                             |                       |             |               |                  |                          |        |             |                       |                   |           |     |                                |       |                             |                |  |
| Poly Acrylate            |                               |                              |                         |                        |         |      |             |       | D                   | D           | A    | D     |                   |              |          | D                           |                       |             |               | D                | D                        | D      | A           | D                     | D                 |           | C   |                                |       | A                           |                |  |
| Poly Urethane            |                               |                              |                         |                        |         |      |             |       | D                   | D           | A    | D     |                   |              |          | D                           |                       |             |               | D                |                          | D      | B           | D                     | D                 |           | A   |                                |       | A                           |                |  |
| NBR                      | B                             | C                            | B                       | C                      | B       |      | C           | D     | D                   | A           | B    | A     | A                 | B            | D        | C                           | A                     | A           | B             | B                | A                        | D      | A           | A                     | D                 | A         | A   | A                              | B     | A                           | A              |  |
| FPM (Viton®)             | A                             | B                            | A                       | D                      | B       |      | C           | C     | D                   | A           | A    | A     | B                 | B            | D        | D                           | A                     | B           | B             | A                | D                        | A      | A           | C                     | A                 | A         | A   | B                              | A     | B                           |                |  |
| Neoprene                 | A                             | C                            | A                       | D                      | C       |      |             |       | D                   | D           | B    | A     | B                 | B            | D        | D                           | A                     | C           | B             | B                | B                        | D      | C           | A                     | D                 | B         | B   | B                              | B     | D                           |                |  |
| EPDM                     | B                             | B                            | B                       |                        | B       |      |             |       | D                   | D           | D    | C     | A                 | B            | B        | D                           | A                     | A           | D             | D                | B                        | A      | A           | C                     | A                 | A         | B   | D                              | D     | B                           | D              |  |
| Kalrez®                  | A                             | A                            | A                       | A                      |         |      |             |       | A                   |             |      |       | A                 |              |          |                             |                       |             |               | A                |                          |        |             |                       |                   |           |     |                                |       |                             |                |  |
| Grafoil®                 | A                             | A                            | A                       | A                      | A       |      |             |       | A                   |             |      |       | A                 | A            |          |                             | A                     |             | A             |                  |                          |        |             |                       |                   | A         | A   | A                              |       |                             |                |  |
| Silicone                 |                               |                              |                         |                        |         |      |             |       | D                   | B           | B    | A     |                   |              |          | D                           | B                     |             |               | A                | B                        | C      | A           | A                     | D                 |           | C   |                                |       | D                           |                |  |
| Fluorosilicone           |                               |                              |                         |                        |         |      |             |       | D                   | B           | A    | A     |                   |              |          | D                           | A                     |             |               | A                | A                        | C      | A           | A                     | D                 |           | A   |                                |       | A                           |                |  |

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| Fluid Name               | Mayonnaise | Meat Juices | Melamine | Melamine Resins | Mercaptans | Mercuric Chloride | Methanol | Mercaptobenzothiazole(MBT) | Mercuric Acetate   | Mercuric Chloride | Mercuric Chloride (dilute) | Mercuric Cyanide | Mercuric Iodide                   | Mercuric Nitrate  | Mercuric Sulfate         | Mercurous Nitrate Hydrated | Mercurous Nitrate | Mercury              | Mercury Fulminate | Mercury Vapor  | Mesityl Oxide                      | Metaldenide  | Methacrylic Acid | Methanol Std.fluorocarbon not satisfactory | Mercury         | Methane            | Methanethiol  | Methoxychlor                                       | Methyl Abietate                                 | Methyl Acetate                                    | Methyl Acetoacetate                              | Methylacetophonone                     | Methyl Acrylate                                   | Methylal           | Methyl Alcohol(Methanol)                                | Methylallyl Chloride | Methane |   |   |
|--------------------------|------------|-------------|----------|-----------------|------------|-------------------|----------|----------------------------|--|-------------------|----------------------------|------------------|-----------------------------------|-------------------|--------------------------|----------------------------|-------------------|----------------------|-------------------|--|------------------------------------|--|------------------|--|-----------------|--------------------|---|--|---|---|--|--|---|--------------------|---|----------------------|---------|---|---|
| Formula                  |            |             |          |                 |            |                   |          | CCHCHCHCSC(SN)N            | Hg(C <sub>2</sub> H <sub>3</sub> O <sub>2</sub> ) <sub>2</sub> | HgCl <sub>2</sub> | Hg(CN) <sub>2</sub>        | Hgl <sub>2</sub> | Hg(NO <sub>3</sub> ) <sub>2</sub> | HgSO <sub>4</sub> | HgNO <sub>3</sub> : 2HOH |                            | Hg                | Hg(CNO) <sub>2</sub> | Hg                | (CH <sub>3</sub> ) <sub>2</sub> : CHCOOCH <sub>3</sub> | (CH <sub>3</sub> CHO) <sub>5</sub> | H <sub>2</sub> : C(CH <sub>3</sub> ) <sub>2</sub> : COOH |                  | Hg   | CH <sub>4</sub> | CH <sub>3</sub> SH | CL <sub>3</sub> DDH(C <sub>6</sub> H <sub>4</sub> OCH <sub>3</sub> ) <sub>2</sub> | C <sub>19</sub> H <sub>29</sub> COOCH <sub>3</sub> | CH <sub>3</sub> CO <sub>2</sub> CH <sub>3</sub> | CH <sub>3</sub> COCH <sub>2</sub> CH <sub>3</sub> | CH <sub>3</sub> C <sub>6</sub> COCH <sub>3</sub> | CH <sub>2</sub> : CHCOOCH <sub>3</sub> | CH <sub>3</sub> OCH <sub>2</sub> OCH <sub>3</sub> | CH <sub>3</sub> OH | CH <sub>2</sub> : C(CH <sub>3</sub> )CH <sub>2</sub> Cl | CH <sub>4</sub>      |         |   |   |
| Aluminum                 | D          | B           |          | B               |            | B                 |          |                            | D  | D                 |                            |                  |                                   |                   |                          | D                          | D                 |                      |                   |  |                                    |  |                  | D  | A               |                    |   |  |   |   |  |  |   |                    |   |                      |         | A |   |
| Brass                    | D          | D           |          |                 |            | B                 |          |                            | D  | D                 |                            |                  |                                   |                   |                          | D                          | D                 |                      |                   |  |                                    |  |                  |  | D               | A                  |   |  |   |   |  |  |   |                    |   |                      |         |   | A |
| Carbon Steel             | D          |             |          |                 |            |                   |          |                            | D  | D                 |                            |                  |                                   |                   |                          |                            |                   |                      | A                 |  |                                    |  |                  |  | A               | B                  |   |  |   |   |  |  |   |                    |   |                      |         |   | B |
| Alloy 600                |            |             |          |                 |            |                   |          |                            |  |                   |                            |                  |                                   |                   |                          |                            |                   | A                    |                   |  |                                    |  |                  |  |                 | A                  |   |  |   |   |  |  |   |                    |   |                      |         |   |   |
| Alloy 400/450(Monel®)    | B          |             |          |                 |            | B                 |          |                            | D  | C                 |                            |                  |                                   |                   |                          | D                          | B                 |                      |                   |  |                                    |  |                  |  |                 | B                  |   |  |   |   |  |  |   |                    |   |                      |         |   |   |
| Alloy 20                 | A          | A           |          | C               |            | A                 |          |                            | B  | A                 |                            |                  |                                   |                   |                          | A                          | A                 |                      |                   |  |                                    |  |                  |  |                 | A                  |   |  |   |   |  |  |   |                    |   |                      |         |   |   |
| Alloy C 276 (Hastelloy®) | A          |             |          |                 |            |                   |          |                            | B  | C                 | B                          |                  |                                   |                   |                          |                            |                   |                      |                   |  |                                    |  |                  |  |                 | A                  |   |  |   |   |  |  |   |                    |   |                      |         |   |   |
| Titanium                 |            |             |          |                 |            |                   |          |                            |  | A                 |                            |                  |                                   |                   |                          |                            |                   | D                    |                   |  |                                    |  |                  |  |                 | A                  |   |  |   |   |  |  |   |                    |   |                      |         |   |   |
| Cast Iron                | D          |             |          | D               |            | B                 |          |                            | D  | D                 |                            |                  |                                   |                   |                          |                            |                   | A                    |                   |  |                                    |  |                  |  |                 | B                  |   |  |   |   |  |  |   |                    |   |                      |         |   |   |
| 316 Stainless Steel      | A          |             |          | C               |            | A                 |          |                            | B  | B                 |                            |                  |                                   |                   |                          | A                          | A                 |                      |                   |  |                                    |  |                  |  | A               | A                  |   |  |   |   |  |  |   |                    |   |                      |         | B |   |
| 630 Stainless steel      |            |             |          |                 |            |                   |          |                            |  |                   |                            |                  |                                   |                   |                          |                            |                   |                      |                   |  |                                    |  |                  |  |                 |                    |   |  |   |   |  |  |   |                    |   |                      |         |   |   |
| Carpenter 20®            | D          | A           |          | C               |            | A                 |          |                            | B  | A                 |                            |                  |                                   |                   |                          | A                          | A                 |                      |                   |  |                                    |  |                  |  |                 | A                  |   |  |   |   |  |  |   |                    |   |                      |         |   |   |
| PTFE/PFA (Teflon®)       | A          | A           | A        | A               |            | A                 | A        | A                          | A  | A                 |                            |                  |                                   |                   |                          | A                          | A                 |                      | A                 | D  |                                    | B  |                  | A  | B               |                    |   |  | D   | D   |  | D                                      |   | A                  |   |                      |         |   |   |
| Nylon                    |            |             |          |                 |            | C                 |          |                            |  |                   |                            |                  |                                   |                   |                          |                            |                   | A                    |                   |  |                                    |  |                  |  |                 |                    |   |  |   |   |  |  |   |                    |   |                      |         |   |   |
| Polyethylen(PE)          |            |             |          |                 |            |                   |          |                            |  |                   |                            |                  |                                   |                   |                          |                            |                   |                      | B                 |  |                                    |  |                  |  |                 |                    |   |  |   |   |  |  |   |                    |   |                      |         |   |   |
| POM (Delrin®)            | A          |             |          | A               |            | A                 |          |                            |  | A                 |                            |                  |                                   |                   |                          | A                          | A                 |                      |                   |  |                                    |  |                  |  | A               | A                  |   |  |   |   |  |  |   |                    |   |                      | B       |   |   |
| PCTFE (Kel-F®)           |            |             |          |                 |            | A                 |          |                            |  |                   |                            |                  |                                   |                   |                          |                            |                   |                      |                   |  |                                    |  |                  |  |                 |                    |   |  |   |   |  |  |   |                    |   |                      |         |   |   |
| PEEK                     | A          | A           |          | A               |            | A                 |          |                            |  |                   | A                          |                  |                                   |                   |                          | A                          | A                 |                      |                   |  |                                    |  |                  |  |                 | A                  |   |  |   |   |  |  |   |                    |   |                      |         |   |   |
| PVDF                     |            |             |          |                 |            | A                 |          |                            |  |                   |                            | A                |                                   |                   |                          |                            |                   | B                    |                   |  |                                    |  | A                |  |                 | A                  |   |  |   |   |  |  |   |                    | A   |                      |         |   |   |
| UHMWPE                   | D          | A           |          |                 |            | A                 |          |                            |  | A                 | A                          |                  |                                   |                   |                          | A                          | A                 |                      |                   |  |                                    |  |                  |  |                 |                    |   |  |   |   |  |  |   |                    |   |                      |         |   |   |
| TPE                      |            |             |          |                 |            |                   |          |                            |  | B                 |                            |                  |                                   |                   |                          |                            |                   |                      | B                 |  |                                    |  |                  |  |                 |                    |   |  |   |   |  |  |   |                    |   |                      |         |   |   |
| Poly Acrylate            |            |             |          | D               | D          |                   |          |                            |  |                   |                            |                  |                                   |                   |                          |                            |                   |                      |                   |  |                                    | D  |                  |  | D               |                    |   |  |   |   |  |  |   |                    |   |                      |         |   |   |
| Poly Urethane            | D          |             |          | D               | D          |                   |          |                            |  |                   |                            |                  |                                   |                   |                          |                            |                   |                      |                   |  |                                    |  | D                |  | D               |                    |   |  |   |   |  |  |   |                    |   |                      |         |   |   |
| NBR                      | A          | B           | C        | B               | D          | A                 |          | C                          | A  | A                 | A                          |                  |                                   |                   |                          |                            | A                 |                      | A                 | D  |                                    | C  | A                | A  | A               |                    |   | D  | D   |   | D  |  | A   |                    |   |                      |         |   |   |
| FPM (Viton®)             | A          |             | A        | D               | A          | A                 |          | A                          | A  | A                 |                            |                  |                                   |                   |                          | B                          | A                 |                      | A                 | D  |                                    | C  | A                | A  | A               |                    |   | D  | D   |   | D  |  | D   |                    | B   |                      |         |   |   |
| Neoprene                 | D          | B           |          | B               | D          | A                 |          |                            |  |                   | B                          |                  |                                   |                   |                          |                            |                   | A                    |                   |  | D                                  |  | A                |  | B               |                    |   |  |   |   |  |  |   |                    |   |                      |         |   |   |
| EPDM                     | D          |             |          | A               | A          | A                 |          | A                          | A  | A                 |                            |                  |                                   |                   |                          |                            |                   | A                    |                   | A  | B                                  |  | B                | A  | A               | D                  |   |  | B   | B   |  | B                                      |   | B                  |   | A                    |         |   |   |
| Kalrez®                  |            |             |          |                 |            | A                 |          | A                          | A  | A                 |                            | A                | A                                 | A                 | A                        | A                          | A                 | A                    | A                 | A  | A                                  | A  | A                | A  |                 | A                  | A   | A  | A   | A   | A  | A                                      | A   | A                  | A   | A                    | A       | A |   |
| Grafoil®                 | A          | A           |          | A               |            | A                 |          |                            |  |                   | A                          |                  |                                   |                   |                          |                            |                   | B                    | A                 |  |                                    |  |                  |  |                 |                    | A   |  |   |   |  |  |   |                    |   |                      |         |   |   |
| Silicone                 | A          |             |          |                 | D          | A                 |          |                            |  |                   |                            |                  |                                   |                   |                          |                            |                   | A                    |                   |  | D                                  |  | D                | A  |                 | D                  |   |  |   | D   | B  |  | D   |                    | A   |                      |         |   |   |
| Fluorosilicone           | D          |             |          |                 | D          | A                 |          |                            |  |                   |                            |                  |                                   |                   |                          |                            |                   | A                    |                   |  | D                                  |  | D                | A  |                 | B                  |   |  |   | D   | D  |  | D   |                    | A   |                      |         |   |   |

| Fluid Name               | Methanol           | Methanol,over+64 °C | Methanol,up to+64 °C | Methyl Acetate | Methyl Acrylate | Methyl Acetone | Methyl Alcohol | Methyl Alcohol 10% | Methyl Bromide | Methyl Chloride    | Methylamine                     | Methylamyl Acetate   | Methylamyl Alcohol   | Methyl n - Amylketone   | Methyl Antranilate  | Methyl Benzoate                                  | Methylbenzyl Alcohol                   | Methyl Bromide     | 2 - Methyl 2 - Butanethiol   | Methyl Butyl Ketone                             | Methyl Carbonate                   | Methyl/Bromide 100% | Methyl CELLOSOLVE | Methyl Cellosolve                    | Methyl Chloroacetate | Methyl Chloroform    | Methyl Chloroformate | Methyl Chlorosilane                              | Methyl Cyclohexanone                          | Methyl Cyclopentane             | Methylene Bromide               | Methylene Chloride             | Methylene Iodide | Methyl Cellulose | Methyl dichloride | Methyl Ether | Methyl Ethyl Ketone |   |   |   |   |
|--------------------------|--------------------|---------------------|----------------------|----------------|-----------------|----------------|----------------|--------------------|----------------|--------------------|---------------------------------|--|--|---|---|--|--|--------------------|--|---|------------------------------------|---------------------|-------------------|--------------------------------------|----------------------|----------------------|----------------------|--|---|---------------------------------|---------------------------------|--------------------------------|------------------|------------------|-------------------|--------------|---------------------|---|---|---|---|
| Formula                  | CH <sub>3</sub> CH |                     |                      |                |                 |                |                |                    |                | CH <sub>3</sub> Cl | CH <sub>3</sub> NH <sub>2</sub> | CH <sub>3</sub> COOCH(CH <sub>3</sub> )CH <sub>2</sub> CH(CH <sub>3</sub> ) <sub>2</sub> | (CH <sub>3</sub> ) <sub>2</sub> CHCH <sub>2</sub> CH(CH <sub>3</sub> )OH | (CH <sub>3</sub> )(CH <sub>2</sub> ) <sub>4</sub> CHOHCH <sub>3</sub> | H <sub>2</sub> NC <sub>6</sub> H <sub>4</sub> CO <sub>2</sub> CH <sub>3</sub> | C <sub>6</sub> H <sub>5</sub> COOCH <sub>3</sub> | C <sub>6</sub> H <sub>5</sub> CH(CH)OH | CH <sub>3</sub> Br | (CH <sub>3</sub> ) <sub>2</sub> CSH(C <sub>2</sub> H) <sub>5</sub> | CH <sub>3</sub> COC <sub>4</sub> H <sub>9</sub> | CO(OCH <sub>3</sub> ) <sub>2</sub> |                     |                   | ClCH <sub>2</sub> COOCH <sub>3</sub> |                      | ClCOOCH <sub>3</sub> | CH <sub>3</sub> ClSi | CH <sub>3</sub> C <sub>5</sub> H <sub>9</sub> CO | C <sub>5</sub> H <sub>9</sub> CH <sub>3</sub> | CH <sub>2</sub> Br <sub>2</sub> | CH <sub>2</sub> Cl <sub>2</sub> | CH <sub>2</sub> I <sub>2</sub> |                  |                  |                   |              |                     |   |   |   |   |
| Aluminum                 | B                  |                     |                      | B              | B               | B              |                |                    |                | D                  | B                               |  |  |   |   |  |  |                    |  |   |                                    |                     |                   |                                      |                      |                      |                      |  |   |                                 |                                 |                                |                  |                  |                   |              |                     | A |   |   |   |
| Brass                    | B                  |                     |                      | A              | A               | B              |                |                    |                | B                  | D                               |  |  |   |   |  |  |                    |  |   |                                    | C                   |                   | A                                    |                      |                      |                      |  |   |                                 |                                 |                                |                  |                  |                   |              |                     | A |   |   |   |
| Carbon Steel             | B                  | B                   | B                    | B              | A               | B              |                |                    |                | B                  | B                               |  |  |   |   |  |  |                    |  |   |                                    |                     |                   |                                      |                      |                      |                      |  |   |                                 |                                 |                                |                  |                  |                   |              |                     |   | A |   |   |
| Alloy 600                |                    |                     |                      | A              |                 | A              |                |                    |                | B                  | A                               |  |  |   |   |  |  |                    |  |   |                                    |                     |                   |                                      |                      |                      |                      |  |   |                                 |                                 |                                |                  |                  |                   |              |                     |   | B |   |   |
| Alloy 400/450(Monel®)    |                    |                     |                      | B              | A               | A              |                |                    |                | B                  | C                               |  |  |   |   |  |  |                    |  |   |                                    | B                   |                   | B                                    |                      |                      |                      |  |   |                                 |                                 |                                |                  |                  |                   |              |                     | A |   |   |   |
| Alloy 20                 |                    |                     |                      | A              | A               |                |                |                    |                | A                  | A                               |  |  |   |   |  |  |                    |  |   |                                    | A                   |                   | A                                    |                      |                      |                      |  |   |                                 |                                 |                                |                  |                  |                   |              |                     | A |   |   |   |
| Alloy C 276 (Hastelloy®) | A                  |                     |                      | A              |                 | A              | A              |                    |                | B                  | B                               |  |  |   |   |  |  |                    |  |   |                                    |                     |                   | B                                    | B                    |                      |                      |  |   |                                 |                                 |                                |                  |                  |                   |              |                     | B |   |   |   |
| Titanium                 |                    |                     |                      | A              | A               | A              |                |                    |                |                    | B                               |  |  |   |   |  |  |                    |  |   |                                    |                     |                   |                                      |                      |                      |                      |  |   |                                 |                                 |                                |                  |                  |                   |              |                     | A |   |   |   |
| Cast Iron                |                    |                     |                      | B              | A               |                |                |                    |                | B                  | B                               |  |  |   |   |  |  |                    |  |   |                                    |                     |                   |                                      |                      |                      |                      |  |   |                                 |                                 |                                |                  |                  |                   |              |                     |   | A |   |   |
| 316 Stainless Steel      | B                  |                     |                      | A              | A               | B              |                |                    |                | A                  | A                               |  |  |   |   |  |  |                    |  |   |                                    |                     |                   |                                      |                      |                      |                      |  |   |                                 |                                 |                                |                  |                  |                   |              |                     |   | A |   |   |
| 630 Stainless steel      |                    |                     |                      |                |                 |                |                |                    |                |                    |                                 |  |  |   |   |  |  |                    |  |   |                                    |                     |                   |                                      |                      |                      |                      |  |   |                                 |                                 |                                |                  |                  |                   |              |                     |   |   |   |   |
| Carpenter 20®            |                    |                     |                      | A              | A               |                |                |                    |                | A                  | A                               |  |  |   |   |  |  |                    |  |   |                                    |                     |                   |                                      |                      |                      |                      |  |   |                                 |                                 |                                |                  |                  |                   |              |                     |   | A |   |   |
| PTFE/PFA (Teflon®)       | A                  | A                   | A                    | A              | A               | A              | A              | A                  | A              | D                  |                                 |  |  |   |   | B  |  | B                  | A  | D   | B                                  | A                   | A                 | A                                    | A                    |                      | D                    | A  |   |                                 |                                 |                                |                  | B                | A                 | A            | A                   | D | A |   |   |
| Nylon                    |                    |                     |                      | A              | A               |                |                |                    |                | A                  |                                 |  |  |   |   |  |  |                    |  |   |                                    |                     |                   |                                      |                      |                      |                      |  |   |                                 |                                 |                                |                  |                  |                   |              |                     |   | A |   |   |
| Polyethylen(PE)          |                    |                     |                      |                |                 |                |                |                    |                |                    | B                               |  |  |   |   |  |  |                    |  |   |                                    |                     |                   |                                      |                      |                      |                      |  |   |                                 |                                 |                                |                  |                  |                   |              |                     |   |   |   |   |
| POM (Delrin®)            | B                  |                     |                      | B              | B               | A              |                |                    |                | A                  |                                 |  |  |   |   |  |  |                    |  |   |                                    |                     |                   |                                      |                      |                      |                      |  |   |                                 |                                 |                                |                  |                  |                   |              |                     |   | A |   |   |
| PCTFE (Kel-F®)           |                    |                     |                      | A              |                 |                |                |                    |                | C                  |                                 |  |  |   |   |  |  |                    |  |   |                                    |                     |                   |                                      |                      |                      |                      |  |   |                                 |                                 |                                |                  |                  |                   |              |                     |   | A |   |   |
| PEEK                     |                    |                     |                      | A              | A               |                |                |                    |                | A                  |                                 |  |  |   |   |  |  |                    |  |   |                                    |                     |                   |                                      |                      |                      |                      |  |   |                                 |                                 |                                |                  |                  |                   |              |                     |   | A |   |   |
| PVDF                     | C                  |                     |                      |                | A               | C              |                |                    |                | A                  | B                               | D  |  |   |   |  |  |                    | A  |   |                                    |                     |                   |                                      |                      |                      | B                    |  |   |                                 |                                 |                                |                  |                  |                   |              |                     |   | D |   |   |
| UHMWPE                   | A                  |                     |                      | B              |                 |                |                |                    |                | A                  | C                               | D  |  |   |   |  |  |                    |  |   |                                    |                     |                   |                                      |                      |                      |                      |  |   |                                 |                                 |                                |                  |                  |                   |              |                     |   | D |   |   |
| TPE                      | B                  |                     |                      |                |                 |                |                |                    |                | B                  |                                 |  |  |   |   |  |  |                    |  |   |                                    |                     |                   |                                      |                      |                      |                      |  |   |                                 |                                 |                                |                  |                  |                   |              |                     |   |   |   |   |
| Poly Acrylate            |                    |                     |                      |                | D               | D              |                |                    |                |                    | C                               | D  |  |   |   |  |  |                    |  |   |                                    |                     |                   |                                      |                      |                      |                      |  |   |                                 |                                 |                                |                  |                  |                   |              |                     |   | D |   |   |
| Poly Urethane            |                    |                     |                      |                | D               | D              |                |                    |                |                    | D                               |  |  |   |   |  |  |                    |  |   |                                    |                     |                   |                                      |                      |                      |                      |  |   |                                 |                                 |                                |                  |                  |                   |              |                     |   | D |   |   |
| NBR                      | B                  | C                   | A                    | D              | D               | D              | A              | A                  | B              | D                  |                                 |  |  |   |   |  | D                                      | B                  | D  | D   | D                                  | B                   | C                 | B                                    |                      | D                    | D                    |  |   |                                 |                                 |                                |                  | D                | B                 | D            | C                   | D | D | A | D |
| FPM (Viton®)             | D                  |                     |                      | D              | D               | D              | D              | C                  | A              | D                  |                                 |  |  |   |   |  | A                                      | A                  | A  | D   | A                                  | B                   | D                 | D                                    |                      |                      |                      |  |   |                                 |                                 |                                |                  |                  |                   |              |                     |   | A | D |   |
| Neoprene                 |                    |                     |                      | D              | B               | D              | A              |                    |                | D                  | C                               |  |  |   |   |  |  |                    |  |   |                                    |                     |                   |                                      |                      |                      |                      |  |   |                                 |                                 |                                |                  |                  |                   |              |                     |   |   | D |   |
| EPDM                     | A                  |                     |                      | B              | A               | A              |                |                    |                | D                  | D                               |  |  |   |   |  | D                                      | D                  | D  | A   | D                                  | D                   | B                 | B                                    |                      | D                    | D                    |  |   |                                 |                                 |                                |                  |                  |                   |              |                     |   |   | B | A |
| Kalrez®                  |                    |                     |                      | A              |                 |                |                |                    |                | A                  | A                               | A  | A  | A   | A   | A  | A                                      | A                  | A  | A   | A                                  | A                   | A                 | A                                    | A                    | A                    | A                    | A  | A   | A                               | A                               | A                              | A                | A                | A                 | A            | A                   | A | A | A | A |
| Grafoil®                 |                    |                     |                      | A              | A               |                |                |                    |                | A                  |                                 |  |  |   |   |  |  |                    |  |   |                                    |                     |                   |                                      |                      |                      |                      |  |   |                                 |                                 |                                |                  |                  |                   |              |                     |   |   |   | A |
| Silicone                 |                    |                     |                      | D              | D               |                |                |                    |                | D                  |                                 |  |  |   |   |  | D                                      |                    | D  | D   | D                                  |                     |                   |                                      | D                    | B                    |                      | D  | D   |                                 |                                 |                                |                  |                  |                   |              |                     |   |   | A | D |
| Fluorosilicone           |                    |                     |                      | D              | D               |                |                |                    |                | A                  | D                               |  |  |   |   |  | A                                      |                    | A  |   | D                                  | B                   |                   |                                      |                      | D                    | D                    |  |   |                                 |                                 |                                |                  |                  |                   |              |                     |   |   | A | D |

| Fluid Name                        | Formula   | Aluminum | Brass | Carbon Steel | Alloy 600 | Alloy 400/450(Monel®) | Alloy 20 | Alloy C 276 (Hastelloy®) | Titanium | Cast Iron | 316 Stainless Steel | 630 Stainless steel | Carpenter 20® | PTFE/PFA (Teflon®) | Nylon | Polyethylen(PE) | POM (Delrin®) | PCTFE (Kel-F®) | PEEK | PVDF | UHMWPE | TPE | Poly Acrylate | Poly Urethane | NBR | FPM (Viton®) | Neoprene | EPDM | Kalrez® | Grafoil® | Silicone | Fluorosilicone |  |
|-----------------------------------|---|----------|-------|--------------|-----------|-----------------------|----------|--------------------------|----------|-----------|---------------------|---------------------|---------------|--------------------|-------|-----------------|---------------|----------------|------|------|--------|-----|---------------|---------------|-----|--------------|----------|------|---------|----------|----------|----------------|--|
| Methyl Cyclopentane               |   |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |
| Methyl Ethyl Ketone(MEK)          | CH <sub>3</sub> COCH <sub>2</sub> CH <sub>3</sub>                   |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |
| Methyl Ethyl Ketone Peroxide      | C <sub>8</sub> H <sub>16</sub> O <sub>4</sub>                       |          | A     |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |
| Methyl Formate                    | HCOOCH <sub>3</sub>   |          |       | C            |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |
| Methyl Hexyl Ketone               | CH <sub>3</sub> COC <sub>6</sub> H <sub>13</sub>                    |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |
| Methyl Iodide                     | CH <sub>3</sub> I   |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |
| Methyl Isobutyl Ketone(MIBK)      | (CH <sub>3</sub> ) <sub>2</sub> CHCH <sub>2</sub> COCH <sub>3</sub> |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |
| Methyl Isocyanate                 | CH <sub>3</sub> NCO   |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |
| Methyl Isobutyle Ketone           | CH <sub>3</sub> COCH(CH <sub>3</sub> ) <sub>2</sub>                 |          |       |              |           |                       | A        |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |
| Methyl Isopropyl Ketone           | CH <sub>3</sub> CHOHCOOCH <sub>3</sub>                              |          |       |              |           |                       |          | A                        |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |
| Methyl Lactate                    |   |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |
| Methyl Mercaptan                  |   |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |
| Methyl Methacrylate               | CH <sub>2</sub> : C(CH <sub>3</sub> )COOCH <sub>3</sub>             |          |       |              |           |                       |          |                          |          |           |                     |                     |               | D                  | A     |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |
| Methyl Oleate                     | CH <sub>3</sub> (CH <sub>7</sub> )COOCH <sub>3</sub>                |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |
| Methylpentadiene                  | C <sub>3</sub> H <sub>10</sub>                                      |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |
| Methyl Phenylacetate              | C <sub>6</sub> H <sub>5</sub> CH <sub>2</sub> COOCH <sub>3</sub>    |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |
| Methylpyrrolidone                 | CH <sub>3</sub> N(CH <sub>2</sub> ) <sub>3</sub> CH <sub>2</sub>    |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |
| n - Methyl 2 - Pyrrolidone(NMP)   | CH <sub>3</sub> N(CH <sub>2</sub> ) <sub>3</sub> CO                 |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |
| Methyl Salicylate                 | C <sub>6</sub> H <sub>4</sub> OHCOOCH <sub>3</sub>                  |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |
| Methylsulfuric Acid               | CH <sub>3</sub> HSO <sub>4</sub>                                    |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |
| MMethyltertiary Butyl Ether(MTBE) | (CH <sub>3</sub> ) <sub>3</sub> COCH <sub>3</sub>                   |          |       |              |           |                       |          |                          |          |           |                     |                     |               | B                  | A     |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |
| Methylamine                       |   |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |
| Methyl Methacrylate               |   |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |
| Methylene Dichloride              |   |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |
| MI - H - 5606L                    |   |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |
| MIL - L - 7808                    |   |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |
| MIL - L - 23699                   |   |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |
| MIL - H - 46170                   |   |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |
| MIL - F - 25558(RJ-1)             |   |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |
| MIL - F - 25656(JP-6)             |   |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |
| MIL - F - 81912(JP-9)             |   |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |
| MIL - F - 82522(RJ - 4)           |   |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |
| MIL - H - 8446(MLO - 8515)        |   |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |
| MIL - L - 23699 LUBRICANTS        |   |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |
| MIL - L - 7808 LUBRICANTS         |   |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |
| MIL - R - 25576(RP - 1)           |   |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |
| MIL - S - 3136 Type I Fuel        |   |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |





| Fluid Name               | MIL - S - 3136 Type II Fuel | MIL - S - 3136 Type III Fuel | MIL - S - 3136 Type IV Oil, High Swell | MIL - S - 3136 Type IV Oil, Low Swell | MIL - S - 3136 Type V Oil, Medium Swell | MIL - T - 5624 (JP - 3, JP - 4, JP - 5) | MIL - T - 83133 (JP - 8) | Milk | Milk of lime | Mine gas | Milk & Milk Products | Mineral Oils | Mineral Oils, +200 °C | Mining sewage | Mineral Spirits | Mixed Acids (cold) | Mixed Acid Etchants | MLO - 7277, 7557 | MLO - 8200, 8515 (MIL - H - 8446) | MOBIL DELVAC 1100, 1110, 1120, 1130 | MOBIL HF | MOBIL MIVAC 20, 30 | MOBIL THERM 600 | MOBILJET II Lucricant | Molybdenum Disulfide Grease | Monomethyl Hydrazine | Monomethylaniline | Monovinyl Acetylene | MOPAR BRAKE FLUID | Myristic Acid | Molasses | Monoethanolamine | Monochloroacetic Acid | Monochlorobenzene | Monoethanolamine (MEA) | Mononitrochlorobenzene | Molasses, crude |   |   |   |
|--------------------------|-----------------------------|------------------------------|--|---------------------------------------|---|---|--------------------------|------|--------------|----------|----------------------|--------------|-----------------------|---------------|-----------------|--------------------|---------------------|------------------|-----------------------------------|-------------------------------------|----------|--------------------|-----------------|-----------------------|-----------------------------|----------------------|-------------------|---------------------|-------------------|---------------|----------|------------------|-----------------------|-------------------|------------------------|------------------------|-----------------|---|---|---|
| Formula                  |                             |                              |  |                                       |   |   |                          |      |              |          |                      |              |                       |               |                 |                    |                     |                  |                                   |                                     |          |                    |                 |                       |                             |                      |                   |                     |                   |               |          |                  |                       |                   |                        |                        |                 |   |   |   |
| Aluminum                 |                             |                              |  |                                       |   |   |                          | B    |              |          | A                    | A            |                       |               | A               | D                  |                     |                  |                                   |                                     |          | A                  |                 |                       |                             |                      |                   |                     |                   |               |          |                  |                       |                   |                        |                        |                 |   | B |   |
| Brass                    |                             |                              |  |                                       |   |   |                          | D    |              |          | B                    | B            |                       |               | B               | D                  |                     |                  |                                   |                                     |          |                    | A               |                       |                             |                      |                   |                     |                   |               |          |                  |                       |                   |                        |                        |                 |   |   | A |
| Carbon Steel             |                             |                              |  |                                       |   |   |                          | D    | A            | A        | D                    | B            | A                     | A             | B               | C                  |                     |                  |                                   |                                     |          |                    | C               |                       |                             |                      |                   |                     |                   |               |          |                  |                       |                   |                        |                        |                 |   |   | A |
| Alloy 600                |                             |                              |  |                                       |   |   |                          | A    |              |          |                      |              |                       |               |                 |                    |                     |                  |                                   |                                     |          |                    | A               |                       |                             |                      |                   |                     |                   |               |          |                  |                       |                   |                        |                        |                 |   |   |   |
| Alloy 400/450 (Mone®)    |                             |                              |  |                                       |   |   |                          | B    |              |          | B                    | A            |                       |               | B               | C                  |                     |                  |                                   |                                     |          |                    | A               |                       |                             |                      |                   |                     |                   |               |          |                  |                       |                   |                        |                        |                 |   | A |   |
| Alloy 20                 |                             |                              |  |                                       |   |   |                          |      |              |          | A                    | A            |                       |               | B               | B                  |                     |                  |                                   |                                     |          |                    |                 |                       |                             |                      |                   |                     |                   |               |          |                  |                       |                   |                        |                        |                 |   | A |   |
| Alloy C 276 (Hastelloy®) |                             |                              |  |                                       |   |   |                          | A    |              |          |                      |              |                       |               | B               |                    |                     |                  |                                   |                                     |          |                    | A               |                       |                             |                      |                   |                     |                   |               |          |                  |                       |                   |                        |                        |                 |   |   |   |
| Titanium                 |                             |                              |  |                                       |   |   |                          |      |              |          |                      |              |                       |               |                 |                    |                     |                  |                                   |                                     |          |                    |                 |                       |                             |                      |                   |                     |                   |               |          |                  |                       |                   |                        |                        |                 |   |   |   |
| Cast Iron                |                             |                              |  |                                       |   |   |                          |      |              |          | D                    | B            |                       |               | B               | C                  |                     |                  |                                   |                                     |          |                    |                 |                       |                             |                      |                   |                     |                   |               |          |                  |                       |                   |                        |                        |                 |   | A |   |
| 316 Stainless Steel      |                             |                              |  |                                       |   |   |                          | A    |              |          | A                    | A            |                       |               | B               | B                  |                     |                  |                                   |                                     |          |                    | A               |                       |                             |                      |                   |                     |                   |               |          |                  |                       |                   |                        |                        |                 |   | A |   |
| 630 Stainless steel      |                             |                              |  |                                       |   |   |                          |      |              |          |                      |              |                       |               |                 |                    |                     |                  |                                   |                                     |          |                    |                 |                       |                             |                      |                   |                     |                   |               |          |                  |                       |                   |                        |                        |                 |   |   |   |
| Carpenter 20®            |                             |                              |  |                                       |   |   |                          |      |              |          | A                    | A            |                       |               | B               | B                  |                     |                  |                                   |                                     |          |                    |                 |                       |                             |                      |                   |                     |                   |               |          |                  |                       |                   |                        |                        |                 |   | A |   |
| PTFE/PFA (Teflon®)       |                             |                              |  |                                       |   | B                                       | B                        | A    | A            | A        | A                    | A            | A                     | A             | A               | A                  | C                   | A                | A                                 | A                                   | B        | A                  | A               |                       | A                           | B                    | B                 | C                   | A                 |               | A        | A                | A                     |                   |                        |                        |                 | A |   |   |
| Nylon                    |                             |                              |  |                                       |   |   |                          |      |              |          | A                    | A            |                       |               |                 | C                  |                     |                  |                                   |                                     |          |                    |                 |                       |                             |                      |                   |                     |                   |               |          |                  |                       |                   |                        | B                      |                 |   | A |   |
| Polyethylen (PE)         |                             |                              |  |                                       |   |   |                          | C    |              |          | A                    |              |                       |               |                 |                    |                     |                  |                                   |                                     |          |                    |                 |                       |                             |                      |                   |                     |                   |               |          |                  |                       |                   |                        | B                      |                 |   |   |   |
| POM (Delrin®)            |                             |                              |  |                                       |   |   |                          | B    | A            | A        | A                    | A            | C                     | A             | A               | D                  |                     |                  |                                   |                                     |          |                    |                 |                       |                             |                      |                   |                     |                   |               |          |                  |                       |                   | A                      |                        |                 |   | A |   |
| PCTFE (Kel-F®)           |                             |                              |  |                                       |   |   |                          |      |              |          | A                    |              |                       |               |                 |                    |                     |                  |                                   |                                     |          |                    |                 |                       |                             |                      |                   |                     |                   |               |          |                  |                       |                   |                        |                        |                 |   |   |   |
| PEEK                     |                             |                              |  |                                       |   |   |                          |      |              |          | A                    | A            |                       |               | A               | A                  |                     |                  |                                   |                                     |          |                    |                 |                       |                             |                      |                   |                     |                   |               |          |                  |                       |                   |                        |                        |                 |   | A |   |
| PVDF                     |                             |                              |  |                                       |   |   |                          | A    |              |          | A                    |              |                       |               |                 |                    |                     |                  |                                   |                                     |          |                    |                 |                       |                             |                      |                   |                     |                   |               |          |                  |                       |                   |                        |                        |                 |   |   |   |
| UHMWPE                   |                             |                              |  |                                       |   |   |                          | A    |              |          | B                    | D            |                       |               | D               |                    |                     |                  |                                   |                                     |          |                    |                 |                       |                             |                      |                   |                     |                   |               |          |                  |                       |                   |                        | A                      | C               |   |   | B |
| TPE                      |                             |                              |  |                                       |   |   |                          |      |              |          |                      |              |                       |               |                 |                    |                     |                  |                                   |                                     |          |                    |                 |                       |                             |                      |                   |                     |                   |               |          |                  |                       |                   |                        |                        |                 |   |   |   |
| Poly Acrylate            |                             |                              |  |                                       |   |   |                          | D    |              |          |                      |              |                       |               | A               |                    |                     |                  |                                   |                                     |          |                    |                 |                       |                             |                      |                   |                     |                   |               |          |                  |                       |                   |                        | D                      | D               | D | D |   |
| Poly Urethane            |                             |                              |  |                                       |   |   |                          | B    |              |          |                      |              |                       |               | B               |                    |                     |                  |                                   |                                     |          |                    |                 |                       |                             |                      |                   |                     |                   |               |          |                  |                       |                   | B                      | D                      | D               | D | D |   |
| NBR                      | B                           | B                            | B                                      | A                                     | A                                       | A                                       | A                        | A    | A            | A        | A                    | A            | C                     | A             | A               | D                  | D                   | C                | B                                 | A                                   | A        | A                  | A               |                       | A                           | B                    | D                 | A                   | C                 |               | A        | B                | D                     | D                 | D                      | D                      | A               |   |   |   |
| FPM (Viton®)             | A                           | A                            | A                                      | A                                     | A                                       | A                                       | A                        | C    | C            | A        | A                    | A            | A                     | A             | A               | B                  | C                   | A                | A                                 | A                                   | A        | A                  | A               |                       | A                           | D                    | B                 | A                   | D                 |               | A        | D                | D                     | A                 | D                      | A                      | A               |   |   |   |
| Neoprene                 |                             |                              |  |                                       |   |   |                          | A    |              |          | A                    | B            |                       |               | C               | D                  |                     |                  |                                   |                                     |          |                    |                 |                       |                             |                      |                   |                     |                   |               |          |                  |                       | A                 | D                      | D                      | D               | A |   |   |
| EPDM                     | D                           | D                            | D                                      | D                                     | D                                       | D                                       | D                        | A    |              |          | A                    | C            | C                     |               | D               | D                  | D                   | D                | D                                 | D                                   | D        | A                  | D               |                       | D                           | A                    | D                 | A                   | A                 |               | A        |                  | A                     | A                 | D                      | A                      | D               |   |   |   |
| Kalrez®                  | A                           | A                            | A                                      | A                                     | A                                       | A                                       | A                        | A    |              |          | A                    |              |                       |               |                 |                    |                     | A                | A                                 | A                                   | A        | A                  | A               |                       | A                           | B                    | A                 | A                   | A                 | A             |          |                  |                       |                   |                        |                        |                 |   |   |   |
| Grafoil®                 |                             |                              |  |                                       |   |   |                          |      |              |          | A                    | A            |                       |               | A               |                    |                     |                  |                                   |                                     |          |                    |                 |                       |                             |                      |                   |                     |                   |               |          |                  |                       |                   |                        |                        |                 |   | A |   |
| Silicone                 | D                           | D                            | D                                      | B                                     | C                                       | D                                       | D                        | A    |              |          | B                    |              |                       |               | D               |                    | D                   | C                | A                                 |                                     |          |                    |                 |                       | D                           |                      | B                 | C                   |                   | A             |          |                  |                       | A                 | B                      | D                      | D               | D |   |   |
| Fluorosilicone           | B                           | B                            | B                                      | A                                     | A                                       | B                                       | B                        | A    |              |          | A                    |              |                       |               | A               |                    | D                   | C                | A                                 |                                     |          |                    |                 |                       |                             |                      |                   |                     | D                 |               |          |                  |                       | A                 | D                      | A                      | D               | A |   |   |

| Fluid Name               | Molasses, edible | Molybdic Acid | Monochloro Benzene Dry | Morpholine | Muriatic Acid(HCL) | Mustard |
|--------------------------|------------------|---------------|------------------------|------------|--------------------|---------|
| Formula                  |                  |               |                        |            |                    |         |
| Aluminum                 | A                |               |                        | B          |                    | B       |
| Brass                    | A                |               |                        | B          |                    | A       |
| Carbon Steel             | C                |               |                        |            |                    | B       |
| Alloy 600                |                  |               |                        |            |                    |         |
| Alloy 400/450(Monel®)    | A                |               | B                      | B          |                    | A       |
| Alloy 20                 | A                | A             | B                      | A          |                    | A       |
| Alloy C 276 (Hastelloy®) |                  |               |                        |            |                    | A       |
| Titanium                 |                  |               |                        |            |                    |         |
| Cast Iron                | C                |               |                        | B          |                    | B       |
| 316 Stainless Steel      | A                | A             | B                      | A          |                    | A       |
| 630 Stainless steel      |                  |               |                        |            |                    |         |
| Carpenter 20®            | A                | A             | B                      | A          |                    | A       |
| PTFE/PFA (Teflon®)       | A                | A             | A                      | A          |                    | A       |
| Nylon                    | A                |               |                        |            |                    |         |
| Polyethylen(PE)          |                  |               |                        |            |                    |         |
| POM (Delrin®)            | A                | A             | C                      | A          |                    | A       |
| PCTFE (Kel-F®)           |                  |               |                        |            |                    |         |
| PEEK                     | A                | A             | A                      | A          |                    | A       |
| PVDF                     |                  |               |                        | A          |                    | A       |
| UHMWPE                   | B                |               |                        |            |                    | A       |
| TPE                      |                  |               |                        |            |                    |         |
| Poly Acrylate            |                  |               |                        |            |                    | D       |
| Poly Urethane            |                  |               |                        |            |                    | D       |
| NBR                      | A                |               | D                      | D          | D                  | A       |
| FPM (Viton®)             | C                |               | A                      | D          | A                  | A       |
| Neoprene                 | A                |               | D                      | D          |                    | A       |
| EPDM                     |                  |               | D                      | B          | B                  | A       |
| Kalrez®                  |                  |               |                        |            |                    |         |
| Grafoil®                 | A                | A             | A                      | A          |                    | A       |
| Silicone                 |                  |               |                        |            | D                  | A       |
| Fluorosilicone           |                  |               |                        |            |                    | A       |

# [ Fluid Compatibility Guide - N ]

| Fluid Name               | Naphthalenesulfonic Acid                               |   | Naphthalene                    |   | Naphthenic Acid | Naphthylamine | Naphthathine | Natural Gas +100°C | Natural Gas, Sour | Neats Foot Oil | Neon | Neville - Winter Acid | Niacinamide | Nickel Acetate | Nickel Ammonium Sulfate | Nickel Chloride | Nickel Cyanide | Nickel Nitrate | Nickel Sulphate | Nickel Sulfate | Nicotine | Nickel Acid | Nitric Acid, (concentrated) | Nitrating Acids | Nitric Acid (5 - 10)% | Nitric Acid (0 - 50%) | Nitric Acid (10 - 50%) | Nitric Acid 10% | Nitric Acid 20% | Nitric Acid 30% | Nitric Acid 50% | Nitric Acid 70% | Nitric Acid 80% | Nitric Acid 100% | Nitric Acid Fuming | Nitric Acid Red Fuming<br>p - Nitroaniline |
|--------------------------|--|---|--------------------------------|---|-----------------|---------------|--------------|--------------------|-------------------|----------------|------|-----------------------|-------------|----------------|-------------------------|-----------------|----------------|----------------|-----------------|----------------|----------|-------------|-----------------------------|-----------------|-----------------------|-----------------------|------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|------------------|--------------------|--|
|                          | Formula  |   |                                |   |                 |               |              |                    |                   |                |      |                       |             |                |                         |                 |                |                |                 |                |          |             |                             |                 |                       |                       |                        |                 |                 |                 |                 |                 |                 |                  |                    |  |
|                          | C <sub>10</sub> H <sub>7</sub> SO <sub>3</sub> H : HOH |   |                                |   |                 |               |              |                    |                   |                |      |                       |             |                |                         |                 |                |                |                 |                |          |             |                             |                 |                       |                       |                        |                 |                 |                 |                 |                 |                 |                  |                    |  |
|                          |  |   | C <sub>10</sub> H <sub>8</sub> |   |                 |               |              |                    |                   |                |      |                       |             |                |                         |                 |                |                |                 |                |          |             |                             |                 |                       |                       |                        |                 |                 |                 |                 |                 |                 |                  |                    |  |
| Aluminum                 | A  |   | B                              |   | B               | B             | B            |                    |                   |                |      |                       |             | D              | D                       |                 | C              | D              | D               | D              | B        |             |                             |                 |                       |                       | D                      | D               |                 |                 |                 | D               | D               |                  |                    |  |
| Brass                    | B  |   | B                              |   | B               | B             |              |                    |                   |                |      |                       |             | D              | D                       |                 | D              | C              | D               | D              | D        |             |                             |                 |                       |                       | D                      | D               |                 |                 |                 | D               | D               |                  |                    |  |
| Carbon Steel             | B  |   | B                              |   | B               | A             | B            |                    |                   |                |      |                       |             | D              | D                       |                 | D              | D              | D               | B              |          |             |                             |                 |                       |                       | D                      | D               |                 |                 |                 | D               | D               |                  |                    |  |
| Alloy 600                | A  |   | B                              |   |                 |               |              |                    |                   |                |      |                       |             |                | D                       |                 | B              | B              |                 |                |          |             |                             |                 |                       |                       | D                      | C               |                 |                 |                 | A               | A               |                  |                    |  |
| Alloy 400/450(Monel®)    | B  |   | B                              |   |                 |               |              | D                  |                   |                |      |                       |             | C              | B                       |                 | B              | A              | B               |                | A        |             |                             |                 |                       |                       | D                      | D               |                 |                 |                 | D               | D               |                  |                    |  |
| Alloy 20                 | B  |   | B                              |   |                 |               |              | A                  |                   |                |      |                       |             | A              | A                       |                 | A              |                | A               |                | A        |             |                             |                 |                       |                       | A                      | A               |                 |                 |                 | B               | A               |                  |                    |  |
| Alloy C 276 (Hastelloy®) | A  | B | A                              |   |                 |               |              | A                  |                   |                |      |                       |             |                | A                       | B               | B              | B              |                 |                | B        | A           |                             |                 |                       | A                     | A                      | A               | A               |                 | A               | D               |                 |                  |                    |  |
| Titanium                 | A  |   | A                              |   |                 |               |              |                    |                   |                |      |                       |             |                | A                       | A               |                |                |                 |                |          |             |                             |                 |                       |                       | A                      | A               |                 |                 |                 | B               | B               |                  |                    |  |
| Cast Iron                | B  |   | B                              |   |                 |               |              | B                  |                   |                |      |                       |             | D              | D                       |                 | D              |                | D               | C              |          |             |                             |                 |                       |                       | D                      | D               |                 |                 |                 | D               | D               |                  |                    |  |
| 316 Stainless Steel      | A  |   | B                              |   | B               | A             |              |                    |                   |                |      |                       |             | A              | B                       |                 | B              | B              | B               | A              |          |             |                             |                 |                       |                       | A                      | A               |                 |                 |                 | A               | A               |                  |                    |  |
| 630 Stainless steel      |  |   |                                |   |                 |               |              |                    |                   |                |      |                       |             |                |                         |                 |                |                |                 |                |          |             |                             |                 |                       |                       | A                      | D               |                 |                 |                 | D               | D               |                  |                    |  |
| Carpenter 20®            | B  |   | B                              |   |                 |               |              | A                  |                   |                |      |                       |             | A              | A                       |                 | A              |                | A               |                | A        |             |                             |                 |                       |                       | A                      | A               |                 |                 |                 | A               | A               |                  |                    |  |
| PTFE/PFA (Teflon®)       | A  | B | C                              | A | A               | A             | A            | A                  | A                 | A              | A    | A                     | D           | A              | A                       | A               | A              | A              | A               | A              | A        | A           | A                           | B               | A                     | B                     | A                      | A               | A               | A               | C               | A               | A               | C                |                    |  |
| Nylon                    | A  |   | A                              |   |                 |               |              | A                  |                   |                |      |                       |             | A              | C                       |                 |                |                | A               |                |          |             |                             |                 |                       |                       | D                      | D               |                 |                 |                 | D               | D               |                  |                    |  |
| Polyethylen(PE)          |  |   |                                |   |                 |               |              |                    |                   |                |      |                       |             |                | B                       |                 |                | B              |                 |                |          |             |                             |                 |                       |                       |                        |                 |                 |                 |                 |                 |                 |                  |                    |  |
| POM (Delrin®)            | A  |   | A                              |   | A               | A             | A            |                    |                   |                |      |                       |             | C              | D                       |                 | C              | A              | C               | D              |          |             |                             |                 |                       |                       | D                      | D               |                 |                 |                 | D               | D               |                  |                    |  |
| PCTFE (Kel-F®)           |  |   |                                |   |                 |               |              |                    |                   |                |      |                       |             | A              |                         |                 |                |                |                 |                |          |             |                             |                 |                       |                       | A                      | A               |                 |                 |                 | A               | A               |                  |                    |  |
| PEEK                     | A  |   | A                              |   |                 |               |              | A                  |                   |                |      |                       |             | A              | A                       |                 | A              |                | A               |                | A        |             |                             |                 |                       |                       | A                      | A               |                 |                 |                 | D               | D               |                  |                    |  |
| PVDF                     | A  | A | A                              |   | A               | A             |              |                    |                   |                |      |                       |             |                |                         |                 | A              | A              |                 |                |          | A           |                             |                 |                       |                       |                        |                 |                 |                 |                 |                 |                 |                  |                    |  |
| UHMWPE                   | D  | A | D                              |   |                 |               |              | A                  |                   |                |      |                       |             |                | A                       | A               |                | A              |                 | A              | C        | B           |                             |                 |                       | A                     | A                      | B               |                 |                 | D               | D               |                 |                  |                    |  |
| TPE                      |  | B | B                              |   |                 |               |              |                    |                   |                |      |                       |             |                |                         |                 |                |                |                 |                |          | D           | C                           |                 |                       |                       | D                      | D               |                 |                 |                 |                 |                 |                  |                    |  |
| Poly Acrylate            | A  | A |                                |   | A               | A             |              |                    |                   |                |      |                       |             |                | C                       |                 |                |                | D               |                |          | D           | D                           |                 |                       | D                     |                        |                 |                 |                 |                 |                 |                 | D                |                    |  |
| Poly Urethane            | A  | A | B                              |   | B               | A             |              |                    |                   |                |      |                       |             |                | C                       |                 |                |                | C               |                |          | D           | D                           |                 |                       | D                     |                        |                 |                 |                 |                 |                 |                 | D                |                    |  |
| NBR                      | B  | A | D                              | D | D               | A             | A            | A                  | A                 | D              |      |                       | B           | A              | A                       |                 |                | A              | A               |                | D        | D           | D                           | D               | D                     | D                     | C                      | D               | C               | D               | D               | D               | D               | D                | D                  |  |
| FPM (Viton®)             | A  | A | A                              | A | A               | A             | A            | A                  | A                 | A              |      |                       | D           | D              | A                       |                 | A              | A              | A               |                | D        | D           | A                           | A               | A                     | A                     | A                      | A               | A               | A               | B               | B               | B               | B                | C                  |  |
| Neoprene                 | D  | D | D                              |   | B               | A             | D            |                    |                   |                |      |                       |             | B              | B                       |                 | A              | A              | A               |                | D        | D           | D                           |                 |                       | D                     | B                      | C               |                 |                 | D               | D               | D               |                  |                    |  |
| EPDM                     | D  | D | D                              | D | D               | D             | B            | A                  | B                 |                |      |                       | A           | B              | A                       |                 | A              |                | A               |                | D        | B           | A                           | C               | A                     |                       |                        |                 |                 | D               | D               | D               | D               | D                |                    |  |
| Kalrez®                  | A  | A | A                              | A | A               | A             | A            | A                  | A                 | A              | A    | A                     | A           | A              | A                       | A               | A              | A              | A               | A              | A        |             |                             |                 | A                     | A                     | A                      | A               | A               | A               | A               | A               | A               | A                | A                  | A  |
| Grafoil®                 | A  |   | A                              |   |                 |               |              | A                  |                   |                |      |                       |             | A              | A                       |                 | B              |                | A               |                | A        |             |                             |                 |                       | A                     | B                      |                 |                 | C               | D               |                 |                 |                  |                    |  |
| Silicone                 | D  | D | D                              | D |                 | D             | B            | A                  | D                 |                |      |                       | D           | A              |                         |                 |                |                | A               |                |          | D           | D                           | B               | D                     |                       |                        |                 |                 | D               |                 |                 | D               | D                |                    |  |
| Fluorosilicone           | B  | A | A                              | A |                 |               | C            | A                  | A                 | B              |      |                       | D           | A              |                         |                 |                |                | A               |                |          | D           | D                           | B               | D                     | A                     | A                      | D               |                 |                 |                 |                 | D               | D                |                    |  |

| Fluid Name               | Nitric Acid Anhyd. | Nitric Acid Anhydrous | Nitrobenzene                                  | p - Nitrobenzoic Acid                                | Nitrocellulose | Nitroethane                                     | Nitrogen       | Nitrogen Dioxide | Nitrogen Oxides | Nitro Methane | Nitrobenzene                                    | Nitro dilution | Nitrogen Gas | Nitrogen Teroxide             | Nitrogen Teroxide, Very limited exposure | Nitrogen Trifluoride | Nitroglycerin   | Nitromethane                    | p - Nitrophenol                                  | 2 - Nitropropane                                  | Nitrosyl Chloride | Nitrosylsulphuric Acid | p - Nitrotoluene  | o - Nitrotoluene  | Nitrous Acid     | Nitrous Acid 10% | Nitrous Gases | Nitrous Oxide    | NMP (n - Methyl2 - Pyrrolidone)                                     | Nonane   |   |   |  |
|--------------------------|--------------------|-----------------------|---|--|----------------|---|----------------|------------------|-----------------|---------------|---|----------------|--------------|-------------------------------|--|----------------------|---|---------------------------------|--|---|-------------------|------------------------|---|---|------------------|------------------|---------------|------------------|---|--|---|---|--|
| Formula                  |                    |                       | C <sub>6</sub> H <sub>5</sub> NO <sub>2</sub> | C <sub>6</sub> H <sub>4</sub> (NO <sub>2</sub> )COOH |                | CH <sub>3</sub> CH <sub>2</sub> NO <sub>2</sub> | N <sub>2</sub> | NO <sub>2</sub>  | Nox             |               | C <sub>6</sub> H <sub>5</sub> - NO <sub>2</sub> |                |              | N <sub>2</sub> O <sub>4</sub> |  | NF <sub>3</sub>      | CH <sub>2</sub> NO <sub>3</sub> CHNO <sub>3</sub> CH <sub>2</sub> NO <sub>3</sub> | CH <sub>3</sub> NO <sub>2</sub> | NO <sub>2</sub> C <sub>6</sub> H <sub>4</sub> OH | CH <sub>3</sub> CHNO <sub>2</sub> CH <sub>3</sub> | NOCl              | HNO <sub>5</sub> S     | NO <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>3</sub> | NO <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>3</sub> | HNO <sub>2</sub> |                  |               | N <sub>2</sub> O | CH <sub>3</sub> NCH <sub>2</sub> CH <sub>2</sub> CH <sub>2</sub> CO | CH <sub>23</sub> (CH <sub>2</sub> )CH <sub>3</sub> |   |   |  |
| Aluminum                 | D                  | B                     | C   |  |                |   | A              |                  |                 |               | C   |                |              |                               |  |                      |   |                                 |  |   |                   |                        |   |   |                  |                  | D             | B                | C   |  |   |   |  |
| Brass                    | D                  | D                     | D   |  |                |   | A              |                  |                 |               | D   |                |              |                               |  |                      |   |                                 |  |   |                   |                        |   |   |                  |                  |               | D                | D   | B  |   |   |  |
| Carbon Steel             | A                  | D                     | B   |  |                |   | A              |                  |                 |               |   | A              |              |                               |  |                      |   |                                 |  |   |                   |                        |   |   |                  |                  |               | D                | B   | B  |   |   |  |
| Alloy 600                | A                  |                       | A   |  |                |   | A              |                  |                 |               |   |                |              |                               |  |                      |   |                                 |  |   |                   |                        |   |   |                  |                  |               |                  |   | D  |   |   |  |
| Alloy 400/450(Monel®)    | D                  | D                     | B   |  |                |   | A              |                  |                 |               |   |                |              |                               |  |                      |   |                                 |  |   |                   |                        |   |   |                  |                  |               | D                | D   | D  |   |   |  |
| Alloy 20                 |                    | A                     | A   |  |                |   | A              |                  |                 |               |   |                |              |                               |  |                      |   |                                 |  |   |                   |                        |   |   |                  |                  |               | B                | A   | B  |   |   |  |
| Alloy C 276 (Hastelloy®) | B                  |                       | B   |  |                |   | A              |                  |                 |               |   |                |              |                               |  |                      |   |                                 |  |   |                   |                        |   |   |                  | D                |               |                  | B   |  |   |   |  |
| Titanium                 | D                  |                       |   |  |                |   | A              |                  |                 |               |   |                |              |                               |  |                      |   |                                 |  |   |                   |                        |   |   |                  |                  |               |                  |   |  |   |   |  |
| Cast Iron                |                    | C                     | B   |  |                |   | A              |                  |                 |               |   |                |              |                               |  |                      |   |                                 |  |   |                   |                        |   |   |                  |                  |               | D                | C   | C  |   |   |  |
| 316 Stainless Steel      | A                  | A                     | A   |  |                |   | A              |                  |                 |               | A   |                |              |                               |  |                      |   |                                 |  |   |                   |                        |   |   |                  |                  |               |                  | B   | A  | B |   |  |
| 630 Stainless steel      |                    | D                     |   |  |                |   |                |                  |                 |               |   |                |              |                               |  |                      |   |                                 |  |   |                   |                        |   |   |                  |                  |               |                  |   |  |   |   |  |
| Carpenter 20®            |                    | A                     | A   |  |                |   | A              |                  |                 |               |   |                |              |                               |  |                      |   |                                 |  |   |                   |                        |   |   |                  |                  |               | B                | A   | B  |   |   |  |
| PTFE/PFA (Teflon®)       | A                  | A                     | A   |  |                |   | A              |                  |                 |               | A   | A              |              | C                             |  |                      | C   |                                 | B  |   |                   |                        |   |   | A                | A                | A             | A                | A   | A  |   |   |  |
| Nylon                    |                    | D                     | A   |  |                |   | A              |                  |                 |               |   |                |              |                               |  |                      |   |                                 |  |   |                   |                        |   |   |                  |                  |               |                  |   | A  |   |   |  |
| Polyethylen(PE)          |                    |                       |   |  |                |   | A              |                  |                 |               |   |                |              |                               |  |                      |   |                                 |  |   |                   |                        |   |   |                  |                  |               |                  |   |  |   |   |  |
| POM (Delrin®)            |                    | D                     | B   |  |                |   | A              |                  |                 |               | D   |                |              |                               |  |                      |   |                                 |  |   |                   |                        |   |   |                  |                  |               | B                | B   | A  |   |   |  |
| PCTFE (Kel-F®)           |                    |                       | A   |  |                |   |                |                  |                 |               |   |                |              |                               |  |                      |   |                                 |  |   |                   |                        |   |   |                  |                  |               |                  |   |  |   |   |  |
| PEEK                     |                    | D                     | A   |  |                |   | A              |                  |                 |               |   |                |              |                               |  |                      |   |                                 |  |   |                   |                        |   |   |                  |                  |               | A                | A   | A  |   |   |  |
| PVDF                     |                    |                       | C   |  |                | C   |                | A                |                 |               |   |                |              |                               |  |                      | A   | C                               |  |   |                   |                        |   |   |                  |                  |               |                  |   |  |   |   |  |
| UHMWPE                   |                    |                       | D   |  |                |   | A              |                  |                 |               |   |                |              |                               |  |                      |   |                                 |  |   |                   |                        |   |   |                  |                  |               |                  |   | C  |   |   |  |
| TPE                      |                    |                       | D   |  |                |   |                |                  |                 |               |   |                |              |                               |  |                      |   |                                 |  |   |                   |                        |   |   |                  |                  |               |                  |   |  |   |   |  |
| Poly Acrylate            |                    |                       | D   |  |                |   |                |                  |                 |               | D   |                | A            |                               | D  |                      |   |                                 |  |   |                   |                        |   |   |                  |                  |               |                  |   |  |   |   |  |
| Poly Urethane            |                    |                       | D   |  |                |   |                |                  |                 |               | D   |                | A            |                               | D  |                      |   |                                 |  |   |                   |                        |   |   |                  |                  |               |                  |   |  |   |   |  |
| NBR                      |                    | D                     | D   |  |                | D   | A              |                  |                 |               | D   | D              | C            | A                             | D  | D                    |   |                                 | D  |   | D                 |                        |   |   |                  |                  |               | C                |   | B  |   |   |  |
| FPM (Viton®)             |                    | A                     | B   |  |                | D   | A              | D                |                 |               | D   | C              | C            | A                             | D  | D                    |   |                                 | D  |   | D                 |                        |   |   |                  |                  |               | B                | A   | A  | B |   |  |
| Neoprene                 | D                  | D                     | D   |  |                |   | A              |                  |                 |               | D   |                | A            |                               | D  |                      |   |                                 |  |   |                   |                        |   |   |                  |                  |               | A                |   | B  | A |   |  |
| EPDM                     |                    | D                     | D   |  |                | B   | B              |                  |                 |               | A   | D              | C            | A                             | D  |                      |   |                                 | B  |   | B                 |                        |   |   |                  |                  |               |                  |   | B  |   |   |  |
| Kalrez®                  |                    |                       | A   | A  | A              | A   | A              | A                | A               |               |   |                |              |                               |  | A                    | A   | A                               | A  | A   | A                 | A                      | A   | A   | A                | A                | A             | A                | A   | A  | A | A |  |
| Grafoil®                 |                    | D                     | A   |  |                |   | A              |                  |                 |               |   |                |              |                               |  |                      |   |                                 |  |   |                   |                        |   |   |                  |                  |               | A                | A   | A  |   |   |  |
| Silicone                 |                    |                       | D   |  |                | D   | A              |                  |                 |               | D   |                | A            | D                             | D  |                      |   |                                 | D  |   | D                 |                        |   |   |                  |                  |               |                  | A   | A  | B |   |  |
| Fluorosilicone           |                    |                       | D   |  |                | D   | A              |                  |                 |               | D   |                | A            | D                             | D  |                      |   |                                 | D  |   | D                 |                        |   |   |                  |                  |               |                  |   |  | B |   |  |

# [ Fluid Compatibility Guide - O ]

| Fluid Name               | Octachloro Toluene | n - Octadecane | Octafluorocyclobutane | Octafluoropropane | Octanal            | n - Octane            | n - Octyl Acetate    | n - Octyl Alcohol    | n - Octyl Chloride | Oils&Fats | Oils, Animal | Oils, Petroleum Refined | Oils, Petroleum Sour | Oils, Water Mixture | Oil, Air Force Hydraulic,MIL - H5606B | Oil, Asphalt Base | Oil, Bunker C Fuel Oil | Oil, Caster | Oil, Chinawood | Oil, Coconut | Oil, Corn | Oil, Cottonseed | Oil, Cude(Asphalt Base) | Oil, Cude(Corrosive) | Oil, Cude(Paraffin Base) | Oil, Cude(Sweet) | Oil, Cutting Soluble | Oil, Diesel | Oil, Domestic Fuel | Oil, Fuel&Gas | Oil, #6Fuel Oil | Oil, Hydraulic | Oil, Linseed | Oil, Lubricating | Oil, Mineral | Oil, Nut | Oil, Olive |   |   |
|--------------------------|--------------------|----------------|-----------------------|-------------------|--------------------|-----------------------|----------------------|----------------------|--------------------|-----------|--------------|-------------------------|----------------------|---------------------|---------------------------------------|-------------------|------------------------|-------------|----------------|--------------|-----------|-----------------|-------------------------|----------------------|--------------------------|------------------|----------------------|-------------|--------------------|---------------|-----------------|----------------|--------------|------------------|--------------|----------|------------|---|---|
| Formula                  | $C_{18}H_{48}$     | $C_{4}F_8$     | $C_3F_8$              | $CH_3(CH_2)_8CHO$ | $CH_3(CH_2)_8CH_3$ | $CH_3COO(CH_2)_7CH_3$ | $CH_3(CH_2)_8CH_2OH$ | $CH_3(CH_2)_8CH_2Cl$ |                    |           |              |                         |                      |                     |                                       |                   |                        |             |                |              |           |                 |                         |                      |                          |                  |                      |             |                    |               |                 |                |              |                  |              |          |            |   |   |
| Aluminum                 |                    |                |                       |                   |                    |                       |                      |                      | B                  | A         | A            | A                       | A                    |                     |                                       |                   |                        |             |                |              |           |                 |                         |                      |                          |                  |                      |             |                    |               |                 |                |              |                  |              |          |            |   |   |
| Brass                    |                    |                |                       |                   |                    |                       |                      |                      |                    | A         | B            | C                       | A                    |                     |                                       |                   |                        |             |                |              |           |                 |                         |                      |                          |                  |                      |             |                    |               |                 |                |              |                  |              |          |            |   |   |
| Carbon Steel             |                    |                |                       |                   |                    |                       |                      |                      |                    | A         | A            | B                       | B                    |                     |                                       |                   |                        |             |                |              |           |                 |                         |                      |                          |                  |                      |             |                    |               |                 |                |              |                  |              |          |            |   |   |
| Alloy 600                |                    |                |                       |                   |                    |                       |                      |                      |                    |           |              |                         |                      |                     |                                       |                   |                        |             |                |              |           |                 |                         |                      |                          |                  |                      |             |                    |               |                 |                |              |                  |              |          |            |   |   |
| Alloy 400/450(Monel®)    |                    |                |                       |                   |                    |                       |                      |                      |                    | B         | A            | A                       |                      |                     |                                       |                   |                        |             |                |              |           |                 |                         |                      |                          |                  |                      |             |                    |               |                 |                |              |                  |              |          |            |   |   |
| Alloy 20                 |                    |                |                       |                   |                    |                       |                      |                      | A                  | A         | A            | A                       | A                    |                     |                                       |                   |                        |             |                |              |           |                 |                         |                      |                          |                  |                      |             |                    |               |                 |                |              |                  |              |          |            |   |   |
| Alloy C 276 (Hastelloy®) |                    |                |                       |                   |                    |                       |                      |                      |                    | A         | A            | A                       | A                    |                     |                                       |                   |                        |             |                |              |           |                 |                         |                      |                          |                  |                      |             |                    |               |                 |                |              |                  |              |          |            |   |   |
| Titanium                 |                    |                |                       |                   |                    |                       |                      |                      |                    |           |              |                         |                      |                     |                                       |                   |                        |             |                |              |           |                 |                         |                      |                          |                  |                      |             |                    |               |                 |                |              |                  |              |          |            |   |   |
| Cast Iron                |                    |                |                       |                   |                    |                       |                      |                      |                    | A         | A            | C                       | B                    |                     |                                       |                   |                        |             |                |              |           |                 |                         |                      |                          |                  |                      |             |                    |               |                 |                |              |                  |              |          |            |   |   |
| 316 Stainless Steel      |                    |                |                       |                   |                    |                       |                      |                      | A                  | A         | A            | A                       | A                    |                     |                                       |                   |                        |             |                |              |           |                 |                         |                      |                          |                  |                      |             |                    |               |                 |                |              |                  |              |          |            |   |   |
| 630 Stainless steel      |                    |                |                       |                   |                    |                       |                      |                      |                    |           |              |                         |                      |                     |                                       |                   |                        |             |                |              |           |                 |                         |                      |                          |                  |                      |             |                    |               |                 |                |              |                  |              |          |            |   |   |
| Carpenter 20®            |                    |                |                       |                   |                    |                       |                      |                      |                    | A         | A            | A                       | A                    | A                   |                                       |                   |                        |             |                |              |           |                 |                         |                      |                          |                  |                      |             |                    |               |                 |                |              |                  |              |          |            |   |   |
| PTFE/PFA (Teflon®)       | A                  |                |                       |                   |                    |                       | A                    |                      | A                  | A         | A            | A                       | A                    |                     |                                       |                   |                        |             |                |              |           |                 |                         |                      |                          |                  |                      |             |                    |               |                 |                |              |                  |              |          |            |   |   |
| Nylon                    |                    |                |                       |                   |                    |                       |                      |                      | A                  | A         | A            | A                       | A                    |                     |                                       |                   |                        |             |                |              |           |                 |                         |                      |                          |                  |                      |             |                    |               |                 |                |              |                  |              |          |            |   |   |
| Polyethylen(PE)          |                    |                |                       |                   |                    |                       |                      |                      |                    |           |              |                         |                      |                     |                                       |                   |                        |             |                |              |           |                 |                         |                      |                          |                  |                      |             |                    |               |                 |                |              |                  |              |          |            |   |   |
| POM (Delrin®)            |                    |                |                       |                   |                    |                       |                      |                      | A                  | A         | A            | A                       | A                    |                     |                                       |                   |                        |             |                |              |           |                 |                         |                      |                          |                  |                      |             |                    |               |                 |                |              |                  |              |          |            |   |   |
| PCTFE (Kel-F®)           |                    |                |                       |                   |                    |                       |                      |                      |                    |           |              |                         |                      |                     |                                       |                   |                        |             |                |              |           |                 |                         |                      |                          |                  |                      |             |                    |               |                 |                |              |                  |              |          |            |   |   |
| PEEK                     |                    |                |                       |                   |                    |                       |                      |                      | A                  | A         | A            | A                       | A                    |                     |                                       |                   |                        |             |                |              |           |                 |                         |                      |                          |                  |                      |             |                    |               |                 |                |              |                  |              |          |            |   |   |
| PVDF                     |                    |                |                       |                   |                    |                       |                      |                      |                    | A         |              |                         |                      |                     |                                       |                   |                        |             |                |              |           |                 |                         |                      |                          |                  |                      |             |                    |               |                 |                |              |                  |              |          |            |   |   |
| UHMWPE                   |                    |                |                       |                   |                    |                       |                      |                      |                    |           |              |                         |                      |                     |                                       |                   |                        |             |                |              |           |                 |                         |                      |                          |                  |                      |             |                    |               |                 |                |              |                  |              |          |            |   |   |
| TPE                      |                    |                |                       |                   |                    |                       |                      |                      |                    |           |              |                         |                      |                     |                                       |                   |                        |             |                |              |           |                 |                         |                      |                          |                  |                      |             |                    |               |                 |                |              |                  |              |          |            |   |   |
| Poly Acrylate            |                    |                |                       |                   |                    |                       |                      |                      |                    |           |              |                         |                      |                     | A                                     | B                 | A                      | A           |                | A            | A         | A               | B                       | B                    | B                        | B                | A                    | A           | A                  | A             | A               | A              | A            | A                | A            | A        | A          |   |   |
| Poly Urethane            |                    |                |                       |                   |                    |                       |                      |                      |                    |           |              |                         |                      |                     | B                                     | B                 | A                      | A           | C              | A            | A         | A               | B                       | B                    | B                        | B                | A                    | A           | A                  | A             | A               | A              | A            | A                | A            | B        | A          | A | A |
| NBR                      | D                  | A              |                       |                   | B                  | B                     |                      | B                    | A                  | A         | B            | A                       | A                    | A                   | B                                     | A                 | A                      | A           | A              | A            | A         | A               | B                       | A                    | A                        | A                | A                    | A           | A                  | A             | A               | A              | A            | A                | A            | A        | A          | A |   |
| FPM (Viton®)             | A                  | A              | B                     |                   | A                  | A                     |                      |                      | B                  | A         | A            | A                       | A                    | A                   | A                                     | A                 | A                      | A           | A              | A            | A         | A               | A                       | A                    | A                        | A                | A                    | A           | A                  | A             | A               | A              | A            | A                | A            | A        | A          | A |   |
| Neoprene                 |                    |                |                       |                   |                    |                       |                      |                      | B                  | B         | B            | B                       | D                    | D                   | D                                     | D                 | A                      | B           | A              | C            | C         | D               | D                       | D                    | D                        | C                | D                    | D           | D                  | D             | D               | D              | D            | D                | D            | D        | D          | D |   |
| EPDM                     | D                  | D              | A                     |                   | D                  | A                     |                      | D                    | B                  | D         | D            |                         |                      | D                   | D                                     | D                 | B                      | D           | D              | C            | C         | D               | D                       | D                    | D                        | D                | D                    | D           | D                  | D             | D               | D              | D            | D                | D            | D        | D          | D |   |
| Kalrez®                  | A                  | A              | B                     | B                 | A                  | A                     | A                    | A                    |                    | A         | A            | A                       |                      |                     |                                       |                   |                        |             |                |              |           |                 |                         |                      |                          |                  |                      |             |                    |               |                 |                |              |                  |              |          |            |   |   |
| Grafoil®                 |                    |                |                       |                   |                    |                       |                      |                      | A                  | A         | A            | A                       |                      |                     |                                       |                   |                        |             |                |              |           |                 |                         |                      |                          |                  |                      |             |                    |               |                 |                |              |                  |              |          |            |   |   |
| Silicone                 | D                  | D              |                       |                   | D                  | B                     |                      |                      |                    |           |              |                         |                      | D                   | D                                     | D                 | A                      | D           | B              | A            | A         | D               | D                       | D                    | D                        | D                | D                    | D           | D                  | D             | D               | D              | D            | D                | D            | D        | D          |   |   |
| Fluorosilicone           | B                  | A              |                       |                   | B                  | B                     |                      |                      |                    |           |              |                         |                      | A                   | B                                     | A                 | A                      | A           | A              | A            | A         | A               | B                       | A                    | A                        | A                | A                    | A           | A                  | A             | A               | A              | A            | A                | A            | A        | A          | A |   |

| Fluid Name               | Oil, Palm | Oil, Paraffin Base(Petroleum) | Oil, Peanut | Oil, Petroleum(Crude) | Oil, Pine | Oil, Quenching | Oil, Rapeseed | Oil, Silicone | Oil, Soya Bean | Oil, Tall | Oil, Transformer | Oil, Vegetable types(Food Service) | Oil, Vegetable types(Not - Food Service) | Oil, and Freon 11&12&114 | Oil, and Freon 22(Low Aniline Oil) | Oil, and Freon 22(High Aniline Oil) | Oil - Water emulsion | Olaic Acid | Olefin, Crude | Olefins | Oleic Acid         | Oleum | Oleum (Fuming Sulfuric Acid) | Oleum 25% | Oleum Spirits                       | Oleyl Alcohol | Olive Oil | Orthochloro Ethyl Benzene | Oronite8200&8515 | Orthodichlorobenzene | OS 45and OS - 45 - 1 | Oxalic acid | Oxalic Acid       | Oxygen, gaseous, low pressure | Oxygen, Gas (Hot) | Oxygen, Liquid | Ozonated Deionized Water |              |  |
|--------------------------|-----------|-------------------------------|-------------|-----------------------|-----------|----------------|---------------|---------------|----------------|-----------|------------------|------------------------------------|--|--------------------------|------------------------------------|-------------------------------------|----------------------|------------|---------------|---------|--------------------|-------|------------------------------|-----------|-------------------------------------|---------------|-----------|---------------------------|------------------|----------------------|----------------------|-------------|-------------------|-------------------------------|-------------------|----------------|--------------------------|--------------|--|
| Formula                  |           |                               |             |                       |           |                |               |               |                |           |                  |                                    |  |                          |                                    |                                     |                      |            |               |         | $CH_3(CH_2)_7COOH$ |       |                              |           | $CH_3(CH_2)_7CH : CH(CH_2)_7CH_2OH$ |               |           |                           |                  |                      |                      |             | $C_{10}H_{16}O_4$ | $HOOC-COOH : 2HOH$            |                   | $O_2$          | $O_2$                    | $O_3 : H_2O$ |  |
| Aluminum                 |           |                               |             |                       |           |                |               |               |                |           |                  |                                    |  |                          |                                    |                                     | B                    |            |               |         | B                  | B     |                              | D         | A                                   |               |           |                           |                  |                      |                      | C           | C                 |                               |                   |                |                          |              |  |
| Brass                    |           |                               |             |                       |           |                |               |               |                |           |                  |                                    |  |                          |                                    |                                     |                      |            |               |         |                    | B     | C                            |           | D                                   | B             |           |                           |                  |                      |                      |             | B                 | B                             |                   |                |                          |              |  |
| Carbon Steel             |           |                               |             |                       |           |                |               |               |                |           |                  |                                    |  |                          | A                                  |                                     |                      |            |               |         |                    | C     | B                            |           |                                     | B             |           |                           |                  |                      |                      | B           | D                 |                               |                   |                |                          |              |  |
| Alloy 600                |           |                               |             |                       |           |                |               |               |                |           |                  |                                    |  |                          |                                    |                                     |                      |            |               |         |                    | A     | B                            |           |                                     |               |           |                           |                  |                      |                      |             | B                 |                               |                   |                |                          |              |  |
| Alloy 400/450(Monel®)    |           |                               |             |                       |           |                |               |               |                |           |                  |                                    |  |                          |                                    | A                                   |                      |            |               |         |                    | B     | C                            |           | D                                   | A             |           |                           |                  |                      |                      | B           |                   |                               |                   |                |                          |              |  |
| Alloy 20                 |           |                               |             |                       |           |                |               |               |                |           |                  |                                    |  |                          |                                    | B                                   |                      |            |               |         |                    | A     | B                            |           | B                                   | A             |           |                           |                  |                      |                      | B           |                   |                               |                   |                |                          |              |  |
| Alloy C 276 (Hastelloy®) |           |                               |             |                       |           |                |               |               |                |           |                  |                                    |  |                          |                                    |                                     |                      |            |               |         |                    | B     | B                            |           | A                                   |               |           |                           |                  |                      |                      | D           |                   |                               |                   |                |                          |              |  |
| Titanium                 |           |                               |             |                       |           |                |               |               |                |           |                  |                                    |  |                          |                                    |                                     |                      |            |               |         |                    |       |                              |           |                                     |               |           |                           |                  |                      |                      |             |                   |                               |                   |                |                          |              |  |
| Cast Iron                |           |                               |             |                       |           |                |               |               |                |           |                  |                                    |  |                          |                                    |                                     |                      |            |               |         |                    | C     | D                            |           | D                                   | B             |           |                           |                  |                      |                      | D           |                   |                               |                   |                |                          |              |  |
| 316 Stainless Steel      |           |                               |             |                       |           |                |               |               |                |           |                  |                                    |  |                          |                                    | B                                   |                      |            |               |         |                    | B     | B                            |           | B                                   | A             |           |                           |                  |                      | B                    | B           |                   |                               |                   |                |                          |              |  |
| 630 Stainless steel      |           |                               |             |                       |           |                |               |               |                |           |                  |                                    |  |                          |                                    |                                     |                      |            |               |         |                    |       |                              |           |                                     |               |           |                           |                  |                      |                      | D           |                   |                               |                   |                |                          |              |  |
| Carpenter 20®            |           |                               |             |                       |           |                |               |               |                |           |                  |                                    |  |                          |                                    | B                                   |                      |            |               |         |                    | A     | B                            |           | B                                   | A             |           |                           |                  |                      | B                    |             |                   |                               |                   |                |                          |              |  |
| PTFE/PFA (Teflon®)       | A         |                               |             |                       |           |                |               |               |                |           |                  |                                    |  |                          | A                                  |                                     |                      |            |               |         |                    | A     | A                            | A         | A                                   | A             | A         | D                         |                  |                      | A                    | A           |                   | D                             | D                 |                |                          |              |  |
| Nylon                    | A         |                               |             |                       |           |                |               |               |                |           |                  |                                    |  |                          |                                    |                                     |                      |            |               |         |                    | A     | D                            |           | D                                   | A             |           |                           |                  |                      | D                    |             |                   |                               |                   |                |                          |              |  |
| Polyethylen(PE)          |           |                               |             |                       |           |                |               |               |                |           |                  |                                    |  |                          |                                    |                                     |                      |            |               |         |                    |       |                              |           |                                     |               |           |                           |                  |                      |                      |             |                   |                               |                   |                |                          |              |  |
| POM (Delrin®)            | C         |                               |             |                       |           |                |               |               |                |           |                  |                                    |  |                          | A                                  |                                     |                      |            |               |         |                    | C     | D                            |           | D                                   | A             |           |                           |                  | C                    | C                    |             |                   |                               |                   |                |                          |              |  |
| PCTFE (Kel-F®)           |           |                               |             |                       |           |                |               |               |                |           |                  |                                    |  |                          |                                    |                                     |                      |            |               |         |                    |       |                              |           |                                     |               |           |                           |                  |                      |                      | A           |                   |                               |                   |                |                          |              |  |
| PEEK                     | A         |                               |             |                       |           |                |               |               |                |           |                  |                                    |  |                          |                                    |                                     |                      |            |               |         |                    | A     | D                            |           | D                                   | A             |           |                           |                  |                      | A                    |             |                   |                               |                   |                |                          |              |  |
| PVDF                     |           |                               |             |                       |           |                |               |               |                |           |                  |                                    |  |                          |                                    |                                     |                      |            |               |         |                    | A     |                              |           |                                     | A             |           |                           |                  | A                    |                      | A           |                   |                               |                   |                |                          |              |  |
| UHMWPE                   |           |                               |             |                       |           |                |               |               |                |           |                  |                                    |  |                          |                                    |                                     |                      |            |               |         |                    | C     | D                            |           | D                                   | A             |           |                           |                  |                      | A                    |             |                   |                               |                   |                |                          |              |  |
| TPE                      |           |                               |             |                       |           |                |               |               |                |           |                  |                                    |  |                          |                                    |                                     |                      |            |               |         |                    | A     |                              |           | C                                   |               |           |                           |                  |                      |                      |             |                   |                               |                   |                |                          |              |  |
| Poly Acrylate            | A         | A                             | A           | A                     | A         | A              | A             | A             | A              | A         | A                | A                                  | A  | D                        | D                                  | D                                   |                      | A          |               |         |                    | D     |                              |           |                                     |               |           |                           | D                | D                    |                      |             | B                 |                               |                   |                |                          |              |  |
| Poly Urethane            | A         | A                             | A           | A                     | A         | A              | A             | A             | A              | A         | A                | A                                  | A  | D                        | D                                  | D                                   |                      | A          |               |         |                    | D     |                              | C         |                                     |               |           | A                         | D                | D                    |                      | A           |                   |                               |                   |                |                          |              |  |
| NBR                      | D         | A                             | A           | A                     | A         | A              | A             | A             | A              | A         | A                | A                                  | A  | D                        | D                                  | A                                   | A                    | A          |               |         | B                  | D     | C                            | D         | B                                   | A             | D         | D                         | D                | D                    | C                    | C           | B                 | D                             | D                 |                |                          |              |  |
| FPM (Viton®)             | C         | A                             | A           | A                     | A         | A              | A             | A             | A              | A         | A                | A                                  | A  | D                        | D                                  | A                                   | A                    | A          |               |         | A                  | C     | A                            | A         | A                                   | A             | A         | A                         | A                | A                    | B                    | A           | A                 | C                             | D                 | A              |                          |              |  |
| Neoprene                 | D         | D                             | D           | D                     | D         | D              | D             | A             | A              | A         | D                | D                                  | A  | A                        | A                                  |                                     | D                    |            |               |         | D                  | D     |                              | D         | B                                   | A             | D         | A                         |                  | B                    | A                    |             |                   |                               |                   |                |                          |              |  |
| EPDM                     | D         | D                             | D           | D                     | D         | D              | D             | A             | D              | D         | D                | D                                  | D  | D                        | D                                  |                                     | D                    |            |               |         | D                  | D     | D                            | D         | B                                   | D             | D         | D                         | D                | D                    | A                    | A           | D                 | D                             | B                 |                |                          |              |  |
| Kalrez®                  |           |                               |             |                       |           |                |               |               |                |           |                  |                                    |  |                          |                                    |                                     |                      |            |               |         | A                  | A     | A                            | A         |                                     | A             | A         | A                         |                  |                      | A                    |             |                   |                               | A                 | B              | A                        |              |  |
| Grafoil®                 | A         |                               |             |                       |           |                |               |               |                |           |                  |                                    |  |                          |                                    |                                     |                      |            |               |         |                    | A     |                              |           |                                     | A             |           |                           |                  |                      | A                    |             |                   |                               |                   |                |                          |              |  |
| Silicone                 | D         | D                             | D           | D                     | D         | D              | D             | D             | A              | A         | D                | D                                  | D  | D                        | D                                  |                                     | D                    |            |               |         | D                  | D     | D                            | D         | C                                   | D             | D         | D                         | D                | B                    | A                    | B           |                   |                               |                   |                |                          |              |  |
| Fluorosilicone           | A         | A                             | A           | A                     | A         | A              | A             | A             | A              | A         | A                | A                                  | D  | D                        | D                                  |                                     | A                    |            |               |         |                    | D     | B                            |           | B                                   | A             | B         | A                         | B                | B                    | A                    | A           |                   |                               |                   |                |                          |              |  |

| Fluid Name               | Oxygen, Liquid | Oxalic acid (cold) | Oxygen | Oxygen         | Oxygen         | Oxygen gas, +60 °C (oxygen) | Oxygen max, +60 °C | Ozone, dry | Ozone, wet | Ozone          | Ozone(High Concentration) | Ozone(High Concentration Dynamic) |
|--------------------------|----------------|--------------------|--------|----------------|----------------|-----------------------------|--------------------|------------|------------|----------------|---------------------------|-----------------------------------|
|                          |                |                    |        | O <sub>2</sub> | O <sub>3</sub> |                             |                    |            |            | O <sub>3</sub> |                           |                                   |
| Formula                  |                |                    |        |                |                |                             |                    |            |            |                |                           |                                   |
| Aluminum                 |                |                    | A      |                | B              |                             |                    | A          | B          |                |                           |                                   |
| Brass                    |                |                    | A      | A              | B              |                             |                    | A          | B          |                |                           |                                   |
| Carbon Steel             |                |                    | B      | B              | C              | A                           | A                  | A          | C          |                |                           |                                   |
| Alloy 600                |                |                    | A      |                |                |                             |                    | A          | A          |                |                           |                                   |
| Alloy 400/450(Monel®)    |                |                    | A      |                |                |                             |                    | A          | A          |                |                           |                                   |
| Alloy 20                 |                |                    | A      |                |                |                             |                    | A          | A          |                |                           |                                   |
| Alloy C 276 (Hastelloy®) |                | B                  | A      |                |                |                             |                    | A          | A          |                |                           |                                   |
| Titanium                 |                |                    |        |                |                |                             |                    |            |            |                |                           |                                   |
| Cast Iron                |                |                    | B      |                |                |                             |                    | A          | C          |                |                           |                                   |
| 316 Stainless Steel      |                |                    |        |                |                |                             |                    |            |            |                |                           |                                   |
| 630 Stainless steel      |                |                    | A      | A              | A              |                             |                    | A          | A          |                |                           |                                   |
| Carpenter 20®            |                |                    | A      |                |                |                             |                    |            |            |                |                           |                                   |
| PTFE/PFA (Teflon®)       |                |                    | A      |                |                |                             |                    | A          | A          |                |                           |                                   |
| Nylon                    |                | A                  | A      | A              | A              | A                           | A                  | A          | A          | A              |                           |                                   |
| Polyethylen(PE)          |                |                    | D      |                |                |                             |                    | D          | D          |                |                           |                                   |
| POM (Delrin®)            |                |                    | D      | D              | D              | A                           | A                  | C          | C          |                |                           |                                   |
| PCTFE (Kel-F®)           |                |                    |        |                |                |                             |                    | A          | A          |                |                           |                                   |
| PEEK                     |                |                    | A      |                |                |                             |                    | A          | A          |                |                           |                                   |
| PVDF                     |                |                    |        |                |                |                             |                    |            |            | A              |                           |                                   |
| UHMWPE                   |                | A                  | A      |                |                |                             |                    | C          | C          | A              |                           |                                   |
| TPE                      |                | D                  |        |                |                |                             |                    |            |            | C              |                           |                                   |
| Poly Acrylate            | D              |                    |        |                |                |                             |                    |            |            |                | A                         | A                                 |
| Poly Urethane            | D              |                    |        |                |                |                             |                    |            |            |                | A                         | A                                 |
| NBR                      | D              | D                  | B      | D              | D              | A                           | A                  | D          | D          | D              | C                         | C                                 |
| FPM (Viton®)             | D              | A                  | A      | B              | A              | A                           | A                  | B          | B          | A              | A                         | A                                 |
| Neoprene                 | D              |                    | A      |                |                |                             |                    | C          | C          |                | B                         | B                                 |
| EPDM                     | D              |                    | A      | D              | A              |                             |                    | A          | B          | A              | D                         | D                                 |
| Kalrez®                  |                |                    | A      |                |                |                             |                    |            |            | A              |                           |                                   |
| Grafoil®                 |                |                    | D      |                |                |                             |                    |            |            |                |                           |                                   |
| Silicone                 | D              |                    |        |                |                |                             |                    |            |            | A              | A                         | D                                 |
| Fluorosilicone           | D              |                    |        |                |                |                             |                    |            |            | A              | A                         | D                                 |



# [ Fluid Compatibility Guide - P ]

| Fluid Name               | Paints&Solvents | Paint Thinner - DUCCO | Palmitic Acid         | P3E - special | Palatal | Paraffin | Paraffin Oil and jet | Palm Oil | Paper Pulp | Paraformaldehyde | Paraldehyde    | Par - al - Ketone | Parathion                    | Peanut Oil | Pelargonic Acid    | Paraldehyde | Pectin Liquor | Penicillin Liquid              | Pentane | Pentachloroethane | Pentachlorophenol | Pentaerythritol | Pentaerythritol Tetranitrate(PETN) | Pentafluoroethane(FC125) | n - Pentane        | Peracetic Acid | Perchloric acid | Pentanol | Pentachloro Phenol | Perchloroethylene | Petrolatum | Petrolatum <121 °C/250 °F | Petrolatum >121 °C/250 °F | Petroleum, Crude | Peroxide of Hydrogen | Perchloroethylene | Petroleum Ether (Ligarine) |  |   |   |   |   |
|--------------------------|-----------------|-----------------------|-----------------------|---------------|---------|----------|----------------------|----------|------------|------------------|----------------|-------------------|------------------------------|------------|--------------------|-------------|---------------|--------------------------------|---------|-------------------|-------------------|-----------------|------------------------------------|--------------------------|--------------------|----------------|-----------------|----------|--------------------|-------------------|------------|---------------------------|---------------------------|------------------|----------------------|-------------------|----------------------------|--|---|---|---|---|
| Formula                  |                 |                       | $CH_3(CH_2)_{14}COOH$ |               |         |          |                      |          |            |                  | $C_6H_{12}O_3$ |                   | $(C_2H_5O)_2P(S)OC_6H_4NO_2$ |            | $CH_3(CH_2)_7COOH$ |             |               | $(CH_3)_2C_5H_8NSO(COOH)NHCOR$ |         | $CHCl_2CCl_3$     | $C_6Cl_5OH$       | $C(CH_2OH)_4$   | $C(CH_2ONO_2)_4$                   | $C_2HF_5$                | $CH_3(CH_2)_9CH_3$ | $CH_3COOOH$    | $HClO_4$        |          |                    | $Cl_2C : CCl_2$   |            |                           |                           |                  |                      |                   |                            |  |   |   |   |   |
| Aluminum                 | A               | B                     |                       |               |         | A        | A                    | D        | B          |                  |                |                   |                              |            |                    |             |               |                                |         |                   |                   |                 |                                    |                          |                    |                |                 |          |                    |                   |            |                           |                           |                  |                      |                   |                            |  |   |   |   |   |
| Brass                    | A               | B                     |                       |               |         | A        | B                    | B        | A          |                  |                |                   |                              |            |                    |             |               |                                |         |                   |                   |                 |                                    |                          |                    |                |                 |          |                    |                   |            |                           |                           |                  |                      |                   |                            |  |   |   |   |   |
| Carbon Steel             | A               | C                     | B                     | A             | B       |          | C                    |          | B          |                  |                |                   |                              |            |                    |             |               |                                |         |                   |                   |                 |                                    |                          |                    |                |                 |          |                    |                   |            |                           |                           |                  |                      |                   |                            |  |   |   |   |   |
| Alloy 600                |                 | A                     |                       |               |         |          |                      |          | A          |                  |                |                   |                              |            |                    |             |               |                                |         |                   |                   |                 |                                    |                          |                    |                |                 |          |                    |                   |            |                           |                           |                  |                      |                   |                            |  |   |   |   |   |
| Alloy 400/450(Monel®)    | A               | B                     |                       |               |         | A        | A                    | B        | B          |                  |                |                   |                              |            |                    |             |               |                                |         |                   |                   |                 |                                    |                          |                    |                |                 |          |                    |                   |            |                           |                           |                  |                      |                   |                            |  |   |   |   |   |
| Alloy 20                 | A               | B                     |                       |               |         | A        | A                    | A        | B          | B                |                |                   |                              |            |                    |             |               |                                |         |                   |                   |                 |                                    |                          |                    |                |                 |          |                    |                   |            |                           |                           |                  |                      |                   |                            |  |   |   |   |   |
| Alloy C 276 (Hastelloy®) |                 |                       |                       |               |         | B        |                      |          | A          |                  |                |                   |                              |            |                    |             |               | A                              |         |                   |                   |                 |                                    |                          |                    |                | B               |          |                    | B                 | A          |                           |                           |                  |                      |                   |                            |  |   |   |   |   |
| Titanium                 |                 |                       |                       |               |         |          |                      |          | B          |                  |                |                   |                              |            |                    |             |               |                                |         |                   |                   |                 |                                    |                          |                    |                |                 |          |                    |                   |            |                           |                           |                  |                      |                   |                            |  |   |   |   |   |
| Cast Iron                | A               | C                     |                       |               |         | B        | C                    | B        | B          |                  |                |                   |                              |            |                    |             |               |                                |         |                   |                   |                 |                                    |                          |                    |                |                 |          |                    |                   |            |                           |                           |                  |                      |                   |                            |  |   |   |   |   |
| 316 Stainless Steel      | A               | B                     |                       |               |         | A        | B                    | A        | B          | B                |                |                   |                              |            |                    |             |               |                                |         |                   |                   |                 |                                    |                          |                    |                |                 |          |                    |                   |            |                           |                           |                  |                      |                   |                            |  |   |   |   |   |
| 630 Stainless steel      |                 |                       |                       |               |         |          |                      |          |            |                  |                |                   |                              |            |                    |             |               |                                |         |                   |                   |                 |                                    |                          |                    |                |                 |          |                    |                   |            |                           |                           |                  |                      |                   |                            |  |   |   |   |   |
| Carpenter 20®            | A               | B                     |                       |               |         | A        | A                    | A        | B          | B                |                |                   |                              |            |                    |             |               |                                |         |                   |                   |                 |                                    |                          |                    |                |                 |          |                    |                   |            |                           |                           |                  |                      |                   |                            |  |   |   |   |   |
| PTFE/PFA (Teflon®)       | A               | C                     | A                     | A             | A       | A        | A                    | A        | A          | D                | A              | A                 |                              |            |                    |             | A             |                                |         |                   |                   | A               |                                    |                          |                    |                |                 | A        |                    | D                 | C          | A                         | B                         | A                |                      | A                 |                            |  |   |   |   |   |
| Nylon                    |                 |                       | D                     |               |         | A        | A                    | A        |            |                  |                |                   |                              |            |                    |             |               |                                |         |                   |                   |                 |                                    |                          |                    |                |                 |          |                    |                   |            |                           |                           |                  |                      |                   |                            |  |   |   |   |   |
| Polyethylen(PE)          |                 |                       |                       |               |         |          |                      |          |            |                  |                |                   |                              |            |                    |             |               |                                |         |                   |                   |                 |                                    |                          |                    |                |                 |          |                    |                   |            |                           |                           |                  |                      |                   |                            |  |   |   |   |   |
| POM (Delrin®)            |                 |                       | A                     | B             | C       | B        | A                    | A        | B          |                  |                |                   |                              |            | A                  |             |               |                                |         |                   |                   |                 |                                    |                          |                    |                |                 |          |                    |                   |            |                           |                           |                  |                      |                   |                            |  |   |   |   |   |
| PCTFE (Kel-F®)           |                 |                       |                       |               |         |          |                      |          |            |                  |                |                   |                              |            |                    |             |               |                                |         |                   |                   |                 |                                    |                          |                    |                |                 |          |                    |                   |            |                           |                           |                  |                      |                   |                            |  |   |   |   |   |
| PEEK                     | A               | A                     |                       |               |         | A        | A                    | A        | A          |                  |                |                   |                              |            | A                  |             |               |                                |         |                   |                   |                 |                                    |                          |                    |                |                 |          |                    |                   |            |                           |                           |                  |                      |                   |                            |  |   |   |   |   |
| PVDF                     |                 |                       | A                     |               |         | A        |                      |          |            | A                |                | A                 |                              |            |                    |             |               |                                |         |                   |                   |                 |                                    |                          |                    |                |                 |          |                    |                   |            |                           |                           |                  |                      |                   |                            |  |   |   |   |   |
| UHMWPE                   |                 |                       |                       |               |         | C        | A                    |          |            |                  |                |                   |                              |            |                    |             |               |                                | D       |                   |                   |                 |                                    |                          |                    |                |                 | B        |                    |                   |            | B                         |                           |                  |                      |                   |                            |  |   | D |   |   |
| TPE                      |                 |                       |                       |               |         |          |                      |          |            |                  |                |                   |                              |            |                    |             |               |                                |         |                   |                   |                 |                                    |                          |                    |                |                 |          |                    |                   |            |                           |                           |                  |                      |                   |                            |  |   |   | C |   |
| Poly Acrylate            |                 |                       |                       |               |         | A        | A                    |          |            |                  |                |                   |                              |            |                    |             | A             | A                              |         |                   |                   |                 |                                    |                          |                    |                |                 |          |                    | D                 |            | B                         |                           |                  |                      |                   |                            |  |   | D | A |   |
| Poly Urethane            |                 |                       | A                     |               |         | A        | A                    |          |            |                  |                |                   |                              |            |                    |             | A             | D                              |         |                   |                   |                 |                                    |                          |                    |                |                 |          |                    | D                 | D          | A                         |                           |                  |                      |                   |                            |  |   | D | B |   |
| NBR                      | D               | D                     | B                     | A             | C       | A        | B                    | B        | B          | D                | A              | B                 | A                            | A          |                    |             | A             |                                |         |                   |                   | A               |                                    |                          | A                  |                | D               | B        | C                  | B                 | A          | A                         | D                         | A                |                      |                   |                            |  | D | A |   |   |
| FPM (Viton®)             | B               | B                     | A                     | B             | C       | A        | A                    | B        |            | D                | A              |                   |                              |            |                    | A           | C             | A                              |         |                   |                   | A               |                                    |                          | A                  |                | A               | B        | A                  | A                 | A          | A                         | A                         | B                | A                    |                   |                            |  |   | A | A |   |
| Neoprene                 | D               |                       | B                     |               |         | C        | D                    | B        | B          |                  |                |                   |                              |            |                    | B           | C             | D                              |         |                   |                   |                 |                                    |                          |                    |                |                 |          | A                  | B                 | D          |                           |                           |                  |                      |                   |                            |  |   | D | D |   |
| EPDM                     | D               | D                     | B                     | C             | C       | D        | D                    | B        | D          | D                | C              | D                 | D                            | A          |                    |             |               | A                              |         |                   |                   |                 |                                    |                          | D                  |                | B               | B        | A                  | D                 | D          | D                         | D                         | D                | D                    |                   |                            |  |   | A | A |   |
| Kalrez®                  |                 | A                     | A                     |               |         | A        |                      |          |            | C                | A              | B                 | A                            | A          | A                  |             |               | A                              |         |                   | A                 | A               | A                                  | A                        | B                  | A              | A               | A        |                    | A                 | A          | A                         | A                         | A                | A                    |                   |                            |  |   |   |   |   |
| Grafoil®                 | A               |                       | A                     |               |         | A        | A                    | A        | A          |                  |                |                   |                              |            |                    |             | A             |                                |         |                   |                   |                 |                                    |                          |                    |                |                 |          |                    |                   |            |                           |                           |                  |                      |                   |                            |  |   |   |   |   |
| Silicone                 |                 | D                     | D                     |               |         | B        | D                    |          |            | D                | A              |                   |                              |            |                    |             | A             | A                              | D       |                   |                   |                 |                                    |                          |                    | D              |                 | D        | D                  |                   | D          | D                         | B                         | D                | D                    |                   |                            |  |   | B | D |   |
| Fluorosilicone           |                 | B                     | A                     |               |         | A        | A                    |          |            | D                | A              |                   |                              |            |                    |             | A             | A                              |         |                   |                   |                 |                                    |                          |                    | C              |                 | A        | A                  | B                 | B          | A                         | B                         |                  |                      |                   |                            |  |   |   | B | A |



| Fluid Name               | Petroleum Ether, Liquified (UL approved) |                                |         |         |         |         |         |         |         |         |         |         |         |         |         |         |   |   |   |   |   |   |   |   |   |   |   |
|--------------------------|--|--------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---|---|---|---|---|---|---|---|---|---|---|
|                          | Phenol                                   | Pentane                        | Pentane | Pentane | Pentane | Pentane | Pentane | Pentane | Pentane | Pentane | Pentane | Pentane | Pentane | Pentane | Pentane | Pentane |   |   |   |   |   |   |   |   |   |   |   |
| Formula                  | C <sub>6</sub> H <sub>5</sub> OH         | C <sub>5</sub> H <sub>12</sub> |         |         |         |         |         |         |         |         |         |         |         |         |         |         |   |   |   |   |   |   |   |   |   |   |   |
|                          | Aluminum                                 | B                              | A       | A       | B       |         | B       | B       |         |         |         |         |         |         |         |         | A |   |   |   |   |   |   |   |   |   |   |
| Brass                    | B  | B                              | A       | B       |         | C       | B       |         |         |         |         |         |         |         |         | D       |   |   |   |   |   |   |   |   |   |   |   |
| Carbon Steel             | D  | B                              | B       | B       | D       | B       | C       | A       | A       | A       | A       | A       | B       |         |         |         |   |   |   |   |   |   |   |   |   |   |   |
| Alloy 600                | B  | B                              |         |         |         |         |         |         |         |         |         |         |         |         |         |         |   |   |   |   |   |   |   |   |   |   |   |
| Alloy 400/450(Monel®)    | A  | B                              |         |         |         | B       | A       |         |         |         |         |         |         |         |         |         |   |   |   |   |   |   |   |   |   |   |   |
| Alloy 20                 | A  | A                              |         |         |         | A       | A       |         |         |         |         |         |         |         |         |         |   |   |   |   |   |   |   |   |   |   |   |
| Alloy C 276 (Hastelloy®) | A  |                                |         |         |         | B       |         |         |         |         |         |         |         |         | B       |         |   |   |   |   |   |   |   |   |   |   |   |
| Titanium                 | A  | A                              |         |         |         |         |         |         |         |         |         |         |         |         |         |         |   |   |   |   |   |   |   |   |   |   |   |
| Cast Iron                | D  | B                              |         |         |         | B       | C       |         |         |         |         |         |         |         |         |         |   |   |   |   |   |   |   |   |   |   |   |
| 316 Stainless Steel      | A  | B                              | A       | A       | D       | A       | B       |         |         |         |         | A       |         |         |         |         |   |   |   |   |   |   |   |   |   |   |   |
| 630 Stainless steel      | B  |                                |         |         |         |         |         |         |         |         |         |         |         |         |         |         |   |   |   |   |   |   |   |   |   |   |   |
| Carpenter 20®            | A  | A                              |         |         |         | A       | A       |         |         |         |         |         |         |         |         |         |   |   |   |   |   |   |   |   |   |   |   |
| PTFE/PFA (Teflon®)       | A  | A                              | A       | A       | A       | A       | A       | A       | A       | A       | A       | A       | D       |         | C       | D       | A | A |   | A |   |   |   |   |   |   |   |
| Nylon                    | D  |                                |         |         |         | A       |         |         |         |         |         |         |         |         |         |         |   |   |   |   |   |   |   |   |   |   |   |
| Polyethylen(PE)          |  |                                |         |         |         |         |         |         |         |         |         |         |         |         |         |         |   |   |   |   |   |   |   |   |   |   |   |
| POM (Delrin®)            | C  | A                              | B       | A       |         | B       | A       | A       | C       | A       | B       | B       |         |         |         |         |   |   |   |   |   |   |   |   |   |   |   |
| PCTFE (Kel-F®)           | A  |                                |         |         |         |         |         |         |         |         |         |         |         |         |         |         |   |   |   |   |   |   |   |   |   |   |   |
| PEEK                     | A  | A                              |         |         |         | A       | A       |         |         |         |         |         |         |         |         |         |   |   |   | D |   |   |   |   |   |   |   |
| PVDF                     | A  |                                |         | A       |         |         |         |         |         |         |         |         |         |         |         |         |   |   |   |   |   |   |   |   |   |   |   |
| UHMWPE                   | D  |                                |         |         |         | A       |         |         |         |         |         |         |         |         |         |         |   |   |   |   |   |   |   |   |   |   |   |
| TPE                      |  |                                |         |         |         |         |         |         |         |         |         |         |         |         |         |         |   |   |   |   |   |   |   |   |   |   |   |
| Poly Acrylate            | B  | D                              |         |         |         |         |         |         |         |         |         |         |         |         |         |         | D | D |   | C |   |   |   |   |   |   |   |
| Poly Urethane            | A  | D                              |         |         |         |         |         |         |         |         |         |         |         |         |         |         | D | D |   | D |   |   |   |   |   |   |   |
| NBR                      | A  | D                              | A       | B       | B       | D       | A       | B       | C       | B       | B       | B       | D       |         | D       | D       | D | D | D | D | B | D |   |   | D |   |   |
| FPM (Viton®)             | A  | B                              | A       | A       | A       | A       | A       | B       | C       | A       | A       | A       | D       | A       |         | A       | D | D | A | A | D | A | A |   |   | A |   |
| Neoprene                 | D  | D                              | B       |         |         | D       | B       |         |         |         |         |         |         |         |         |         | D | A |   |   |   |   |   |   |   |   |   |
| EPDM                     | A  | D                              | D       | D       | D       | D       | D       | B       | C       | A       | A       | D       | D       |         | D       | D       | D | A | A | A |   |   |   |   |   | A |   |
| Kalrez®                  | A  | A                              |         |         |         | C       |         |         |         |         |         |         | A       | A       | A       | A       | A | A | A | A | A | A | A | A | A | A |   |
| Grafoil®                 | A  | A                              |         |         |         | A       | A       |         |         |         |         |         |         |         |         |         |   |   |   |   |   |   |   |   |   |   |   |
| Silicone                 | D  | D                              |         |         |         |         |         |         |         |         |         |         | D       |         |         |         | D | A | D |   |   | C | B | D |   |   |   |
| Fluorosilicone           | A  | B                              |         |         |         |         |         |         |         |         |         |         | D       |         |         |         | B |   |   |   |   | B | A | C |   |   | A |

| Fluid Name               | Phosphate Ester 10% | Phosphate Ester | Phosphoric - 10% - cold | Phosphoric - 10% - Hot | Phosphoric Acid                | Phosphoric Acid 10% | Phosphoric Acid (<40%) | Phosphoric Acid (>40%) | Phosphoric Acid (crude) | Phosphoric Acid 50% cold | Phosphoric Acid 50% Hot | Phosphoric Acid 85% cold | Phosphoric Acid 85% Hot | Phosphoric Anhydride | Phosphorous Trichloride | Photographic developer | Phthalic Acid                                     | Phthalic Anhydride                                | Pickling Solution | Picoline, Alpha | Picric Acid, Aqueous Solution | Picric Acid                                       | Pine Oil  | Pine Tar | Pinene | Piperazine  | Pineapple Juice | Pitch(Bitumen) | Pit water                          | Piperidine   | Pirranha | Plating Solution, Chrome | Plating Solution, Others   | Polyethylene Glycol                               | Polyglycerol                             | Polyvinyl Acetate Emulsion | Potash |   |   |   |
|--------------------------|---------------------|-----------------|-------------------------|------------------------|--------------------------------|---------------------|------------------------|------------------------|-------------------------|--------------------------|-------------------------|--------------------------|-------------------------|----------------------|-------------------------|------------------------|---|---|-------------------|-----------------|-------------------------------|---|---|----------|--------|---|-----------------|----------------|------------------------------------|--|----------|--------------------------|--|---|--|----------------------------|--------|---|---|---|
| Formula                  |                     |                 |                         |                        | H <sub>3</sub> PO <sub>4</sub> |                     |                        |                        |                         |                          |                         |                          |                         |                      |                         |                        | C <sub>6</sub> H <sub>4</sub> (COOH) <sub>2</sub> | C <sub>6</sub> H <sub>4</sub> (CO) <sub>2</sub> O |                   |                 |                               | C <sub>6</sub> H <sub>4</sub> (COOH) <sub>2</sub> | C <sub>6</sub> H <sub>4</sub> (CO) <sub>2</sub> O |          |        | NH(CH <sub>2</sub> ) <sub>2</sub> NH(CH <sub>2</sub> ) <sub>2</sub> |                 |                | (CH <sub>2</sub> ) <sub>5</sub> NH | H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> O <sub>2</sub> |          |                          | HOCH <sub>2</sub> (CH <sub>2</sub> OCH <sub>2</sub> ) <sub>n</sub> H <sub>2</sub> OH | (CH <sub>2</sub> OHCH <sub>2</sub> ) <sub>n</sub> | CH <sub>2</sub> CH(OOCCCH <sub>3</sub> ) |                            |        |   |   |   |
| Aluminum                 | D                   | A               | A                       | D                      | D                              |                     |                        |                        |                         | D                        | D                       | D                        | D                       | A                    | D                       |                        | B   | A   |                   |                 |                               | C   | A   |          |        |   |                 | A              | C                                  |  |          |                          |  |   |  |                            |        |   |   |   |
| Brass                    | D                   | D               | B                       | B                      | D                              | D                   |                        |                        |                         | D                        | D                       | D                        | D                       |                      |                         |                        | B   | B   |                   |                 |                               | C   | B   |          |        |   |                 | C              | A                                  |  |          |                          |  |   |  |                            |        |   |   |   |
| Carbon Steel             | A                   | A               | D                       | D                      | D                              | D                   |                        |                        |                         | D                        | D                       | B                        | C                       |                      | B                       |                        | C   | C   |                   |                 |                               | D   | B   |          |        |   |                 | C              | B                                  |  |          |                          |  |   |  |                            |        |   |   |   |
| Alloy 600                |                     |                 | A                       | D                      |                                |                     |                        |                        |                         | A                        | D                       | A                        | D                       |                      |                         |                        | B   | A   |                   |                 |                               |   |   |          |        |   |                 |                |                                    |  |          |                          |  |   |  |                            |        |   |   |   |
| Alloy 400/450(Monel®)    | A                   | A               | A                       | A                      |                                | D                   |                        |                        |                         | C                        | C                       | A                        | A                       |                      |                         |                        | A   | A   |                   |                 |                               | D   | B   |          |        |   |                 | A              |                                    |  |          |                          |  |   |  |                            |        |   |   |   |
| Alloy 20                 | A                   |                 | A                       | A                      |                                | B                   |                        |                        |                         | B                        | B                       | B                        | B                       | A                    | A                       |                        | B   | B   |                   |                 |                               | B   | A   |          |        |   |                 | A              | A                                  |  |          |                          |  |   |  |                            |        |   |   |   |
| Alloy C 276 (Hastelloy®) |                     |                 |                         |                        |                                |                     | A                      | A                      | A                       |                          | D                       |                          |                         |                      |                         |                        | B   | B   | A                 |                 |                               |   | B   |          |        |   |                 |                |                                    |  |          |                          |  |   |  |                            |        | B |   |   |
| Titanium                 |                     |                 | A                       | D                      |                                |                     |                        |                        |                         | D                        | D                       | D                        | D                       |                      |                         |                        | A   |   |                   |                 |                               |   |   |          |        |   |                 |                |                                    |  |          |                          |  |   |  |                            |        |   |   |   |
| Cast Iron                | A                   |                 |                         |                        |                                | D                   |                        |                        |                         | D                        | D                       | B                        | C                       |                      | C                       |                        | C   | C   |                   |                 |                               | D   | B   |          |        |   |                 | C              |                                    |  |          |                          |  |   |  |                            |        |   |   |   |
| 316 Stainless Steel      | A                   | A               | B                       | D                      | B                              | D                   |                        |                        |                         | B                        | D                       | A                        | B                       | A                    | A                       |                        | B   | B   |                   |                 |                               | B   | A   |          |        |   |                 | A              | A                                  | A  |          |                          |  |   |  |                            |        |   |   |   |
| 630 Stainless steel      |                     |                 |                         |                        |                                | B                   |                        |                        |                         | B                        | D                       | C                        | D                       |                      |                         |                        |   |   |                   |                 |                               |   | C   |          |        |   |                 |                |                                    |  |          |                          |  |   |  |                            |        |   |   |   |
| Carpenter 20®            |                     | A               |                         |                        |                                | B                   |                        |                        |                         | B                        | B                       | B                        | B                       | A                    | A                       |                        | B   | B   |                   |                 |                               | B   | A   |          |        |   |                 | A              | A                                  |  |          |                          |  |   |  |                            |        |   |   |   |
| PTFE/PFA (Teflon®)       | A                   | A               | A                       | A                      | A                              | A                   | A                      | A                      | A                       | A                        | A                       | A                        | A                       | A                    | A                       | A                      | A   | A   | B                 |                 |                               | A   | A   |          | A      |   |                 | A              | A                                  | A  |          |                          |  |   | A  | A                          | A      | A |   |   |
| Nylon                    |                     | A               |                         |                        |                                | D                   |                        |                        |                         | D                        | D                       | D                        | D                       | D                    | D                       |                        | A   | A   |                   |                 |                               |   | B   |          |        |   |                 |                |                                    |  |          |                          |  |   |  |                            |        |   |   |   |
| Polyethylen(PE)          |                     |                 |                         |                        |                                |                     |                        |                        |                         |                          |                         |                          |                         |                      |                         |                        |   |   |                   |                 |                               |   |   |          |        |   |                 |                |                                    |  |          |                          |  |   |  |                            |        |   |   |   |
| POM (Delrin®)            | A                   | A               | D                       | D                      | D                              | D                   |                        |                        |                         | D                        | D                       | D                        | D                       | B                    | D                       |                        | A   | A   |                   |                 |                               | D   | A   |          |        |   |                 | A              | A                                  | A  |          |                          |  |   |  |                            |        |   |   |   |
| PCTFE (Kel-F®)           |                     |                 |                         |                        |                                | A                   |                        |                        |                         | A                        | A                       | A                        | A                       |                      |                         |                        |   |   |                   |                 |                               |   |   |          |        |   |                 |                |                                    |  |          |                          |  |   |  |                            |        |   |   |   |
| PEEK                     |                     | A               |                         |                        |                                | A                   |                        |                        |                         | A                        | A                       | B                        | B                       | A                    | A                       |                        | A   | A   |                   |                 |                               | A   | A   |          |        |   |                 | A              | A                                  |  |          |                          |  |   |  |                            |        |   |   |   |
| PVDF                     |                     |                 |                         |                        |                                |                     |                        |                        |                         |                          |                         |                          |                         |                      | A                       | A                      | A   | A   |                   |                 |                               |   | A   |          |        |   |                 |                |                                    |  |          |                          |  |   |  |                            |        |   |   |   |
| UHMWPE                   |                     |                 |                         |                        |                                | A                   | A                      | B                      | B                       | A                        | A                       | A                        | A                       |                      | A                       | A                      |   | A   |                   |                 |                               |   | A   | D        |        |   |                 |                |                                    |  |          |                          |  |   |  |                            |        |   | A |   |
| TPE                      |                     |                 |                         |                        |                                |                     |                        |                        |                         |                          |                         |                          |                         |                      |                         |                        |   |   |                   |                 |                               |   |   |          |        |   |                 |                |                                    |  |          |                          |  |   |  |                            |        |   | D |   |
| Poly Acrylate            |                     |                 |                         |                        |                                |                     |                        |                        |                         |                          |                         |                          |                         |                      |                         |                        |   |   |                   |                 |                               |   |   |          |        |   |                 |                |                                    |  |          |                          |  |   |  |                            |        |   |   |   |
| Poly Urethane            |                     |                 |                         |                        |                                |                     |                        |                        |                         |                          |                         |                          |                         |                      |                         |                        |   |   |                   |                 |                               | B   |   |          |        |   |                 |                |                                    |  |          |                          |  |   |  |                            |        |   |   |   |
| NBR                      | D                   | D               | B                       | B                      | B                              | B                   | D                      | D                      | D                       | B                        | B                       | C                        | C                       | D                    | D                       | A                      | C   | C   | D                 |                 | B                             | C   | A   |          | B      |   | A               | C              | A                                  | D  |          |                          |  | D   | A  | B                          |        | A | A |   |
| FPM (Viton®)             |                     |                 | A                       | A                      | A                              | A                   | A                      | A                      | A                       | A                        | A                       | B                        |                         | B                    | B                       | A                      | A   | D   | B                 | D               |                               | A   | B   | A        |        | A   |                 | A              |                                    | A  | D        |                          |  |   | A  | A                          | C      |   | C | A |
| Neoprene                 |                     |                 | A                       | A                      |                                | B                   |                        |                        |                         | B                        | B                       | C                        | C                       | D                    | D                       |                        | C   | C   |                   |                 |                               | A   | A   | D        |        |   |                 | A              | C                                  |  |          |                          |  |   |  |                            |        |   |   |   |
| EPDM                     | A                   | A               |                         |                        | B                              | B                   |                        |                        |                         | B                        | B                       |                          |                         |                      | B                       |                        | B   | C   | A                 |                 | A                             | B   | D   |          | D      |   |                 | D              | A                                  | D  |          |                          |  | B   | A  | A                          |        | A |   |   |
| Kalrez®                  |                     |                 |                         |                        |                                | A                   |                        |                        |                         | A                        | A                       | A                        | A                       |                      |                         |                        | A   | A   | A                 |                 |                               |   | A   | A        | A      | A   | A               |                |                                    | A  | A        |                          |  |   | A  | A                          | A      | A | A |   |
| Grafoil®                 |                     | A               |                         |                        |                                | A                   |                        |                        |                         | A                        | A                       | A                        | A                       | A                    |                         |                        | A   | A   |                   |                 |                               |   | A   |          |        |   |                 | A              | A                                  |  |          |                          |  |   |  |                            |        |   |   |   |
| Silicone                 |                     |                 |                         |                        |                                |                     |                        |                        |                         |                          |                         |                          |                         |                      |                         |                        |   |   |                   |                 | D                             |   | D   | D        |        | D   |                 |                |                                    |  | D        |                          | D  | D   |  |                            |        |   |   |   |
| Fluorosilicone           |                     |                 |                         |                        |                                |                     |                        |                        |                         |                          |                         |                          |                         |                      |                         |                        |   |   |                   |                 | D                             |   | B   | B        | A      |   | A               |                |                                    |  |          | D                        |  | B   |  |                            |        |   |   |   |

| Fluid Name               | Polysulfide Liquor | Polyvinyl Acetate | Poly Glycols | Polyvinyl Chloride | Potassium, Molten | Potassium, Acetate                            | Potassium Bicarbonate | Potassium Bicarbonate | Potassium Bifluoride | Potassium Bichromate | Potassium Bisulfate | Potassium Bisulfite                            | Potassium Bitartrate | Potassium Bromide              | Potassium Carbonate | Potassium Chlorate | Potassium Chloride | Potassium Chloride              | Potassium Chromate  | Potassium Citrate                   | Potassium Copper Cyanide | Potassium Cyanate | Potassium Cyanide sols | Potassium Cyanide                             | Potassium Dichromate               | Pot.Ferricyanide | Potassium Fluoride                             | Potassium Glucocyanate | Pot.Hydroxide                  | Potassium sulphate | Pot.Diphosphate | Pot.Ferrocyanide | Pot.Hypochlorite | Pot.Permanganate | Potassium Dichromate | Potassium Ferrocyanide                                 | Potassium Hydroxide Dilute Cold |   |   |
|--------------------------|--------------------|-------------------|--------------|--------------------|-------------------|---|-----------------------|-----------------------|----------------------|----------------------|---------------------|--|----------------------|--------------------------------|---------------------|--------------------|--------------------|---------------------------------|---|-------------------------------------|--------------------------|-------------------|------------------------|---|------------------------------------|------------------|--|------------------------|--------------------------------|--------------------|-----------------|------------------|------------------|------------------|----------------------|--|---------------------------------|---|---|
| Formula                  |                    |                   |              |                    | K                 | KC <sub>2</sub> H <sub>3</sub> O <sub>2</sub> | KHCO <sub>3</sub>     | KHF <sub>2</sub>      |                      | KHSO <sub>4</sub>    | KHSO <sub>3</sub>   | KHC <sub>4</sub> H <sub>4</sub> O <sub>6</sub> | KBr                  | K <sub>2</sub> CO <sub>3</sub> | KClO <sub>3</sub>   | KClO <sub>3</sub>  | KCl                | K <sub>2</sub> CrO <sub>4</sub> | K <sub>3</sub> C <sub>6</sub> H <sub>5</sub> O <sub>7</sub> : HOH | C <sub>2</sub> CuN <sub>2</sub> : K | KOCN                     |                   | KCN                    | K <sub>2</sub> Cr <sub>2</sub> O <sub>7</sub> | K <sub>3</sub> Fe(CN) <sub>6</sub> | KF               | KC <sub>6</sub> H <sub>11</sub> O <sub>7</sub> | KOH                    | K <sub>2</sub> SO <sub>4</sub> |                    |                 |                  |                  |                  |                      | K <sub>4</sub> Fe(CN) <sub>6</sub> : 3H <sub>2</sub> O |                                 |   |   |
| Aluminum                 | D                  | B                 |              | B                  |                   |   | A                     | A                     | B                    | B                    |                     |  | D                    | D                              | D                   | D                  |                    | B                               |   |                                     |                          |                   |                        | D   | A                                  | B                |  |                        | D                              | A                  | B               | A                | D                | A                | A                    | B  | D                               |   |   |
| Brass                    | D                  | B                 |              | B                  |                   |   |                       |                       |                      |                      | C                   |  | C                    | B                              | B                   | C                  | B                  | B                               |   |                                     |                          |                   |                        | D   | D                                  | B                |  |                        | D                              | B                  | B               | B                | D                | B                | B                    | B  | D                               |   |   |
| Carbon Steel             |                    |                   |              |                    |                   |   |                       |                       |                      |                      | D                   |  | D                    | B                              | C                   | C                  | C                  |                                 |   |                                     |                          |                   |                        | B   | C                                  | C                |  |                        | C                              | C                  | A               | A                | C                | B                | B                    | C  | A                               |   |   |
| Alloy 600                |                    |                   |              |                    |                   |   |                       |                       |                      |                      | D                   |  | B                    | B                              | C                   | B                  |                    |                                 |   |                                     |                          |                   |                        | B   | B                                  | B                |  |                        | A                              |                    |                 | B                | D                | B                | B                    |  |                                 |   |   |
| Alloy 400/450(Monel®)    | B                  | B                 |              | B                  |                   |   | B                     | A                     | B                    | D                    |                     | A  | B                    | C                              | B                   |                    | B                  |                                 |   |                                     |                          |                   |                        | B   | B                                  | B                |  |                        | A                              |                    |                 | B                | D                | B                | B                    | A  | A                               |   |   |
| Alloy 20                 | A                  | B                 |              | B                  |                   |   | A                     | A                     | A                    | B                    |                     | B  | B                    | B                              | A                   |                    | B                  |                                 |   |                                     |                          |                   |                        | B   | A                                  | B                |  |                        |                                |                    |                 |                  |                  |                  |                      |  | B                               | B |   |
| Alloy C 276 (Hastelloy®) |                    |                   |              |                    |                   |   | B                     |                       |                      | C                    |                     | B  | A                    | D                              | B                   |                    | A                  |                                 |   |                                     |                          |                   | B                      | B   | B                                  |                  |  | B                      |                                |                    | B               | B                | B                | D                |                      |  |                                 |   |   |
| Titanium                 |                    |                   |              |                    |                   |   |                       |                       |                      |                      |                     |  | A                    | A                              | A                   | A                  |                    |                                 |   |                                     |                          |                   |                        |   |                                    | A                |  |                        | D                              |                    |                 | A                | A                |                  | A                    |  |                                 |   |   |
| Cast Iron                | B                  | B                 |              | B                  |                   |   |                       |                       |                      | D                    |                     | D  | B                    | B                              | B                   |                    | B                  |                                 |   |                                     |                          |                   |                        | B   | C                                  | C                |  |                        |                                |                    |                 |                  |                  |                  |                      |  | C                               | A |   |
| 316 Stainless Steel      | B                  | B                 |              | B                  |                   |   | A                     | A                     | A                    | B                    |                     | A  | B                    | B                              | B                   | C                  | B                  |                                 |   |                                     |                          |                   |                        | B   | B                                  | B                |  |                        | A                              | B                  | A               | B                | B                | B                | A                    | B  | B                               |   |   |
| 630 Stainless steel      |                    |                   |              |                    |                   |   |                       |                       |                      |                      |                     | C  | A                    | B                              | B                   |                    |                    |                                 |   |                                     |                          |                   |                        |   |                                    | B                |  |                        |                                |                    |                 |                  |                  |                  |                      |  |                                 | B |   |
| Carpenter 20®            | A                  | B                 |              | B                  |                   |   | A                     | A                     | A                    | B                    |                     | B  | B                    | B                              | A                   |                    | B                  |                                 |   |                                     |                          |                   |                        | B   | A                                  | B                |  |                        |                                |                    |                 |                  |                  |                  |                      |  | B                               | B |   |
| PTFE/PFA (Teflon®)       | A                  | A                 |              | A                  |                   |   | A                     | A                     | A                    | A                    |                     | A  | A                    | A                              | A                   | A                  | A                  |                                 |   |                                     | A                        |                   | A                      | A   | A                                  |                  |  | A                      | A                              | A                  | A               | A                | A                | A                | A                    | A  | A                               | A |   |
| Nylon                    |                    |                   |              |                    |                   |   |                       |                       |                      |                      |                     |  |                      | B                              | B                   | B                  |                    |                                 |   |                                     |                          |                   |                        | B   | B                                  |                  |  |                        | C                              |                    |                 | B                |                  |                  |                      |  | B                               |   |   |
| Polyethylen(PE)          |                    |                   |              |                    |                   |   |                       |                       |                      |                      |                     |  |                      | B                              | B                   | B                  |                    |                                 |   |                                     |                          |                   |                        | B   | B                                  |                  |  |                        | C                              |                    |                 | B                |                  | B                |                      |  |                                 |   |   |
| POM (Delrin®)            | D                  | A                 |              | A                  |                   |   | A                     | B                     | A                    | A                    |                     | A  | A                    | A                              | A                   | B                  | A                  |                                 |   |                                     |                          |                   |                        | A   | A                                  | A                |  |                        |                                | A                  | A               | A                |                  |                  |                      | A  | A                               | D |   |
| PCTFE (Kel-F®)           |                    |                   |              |                    |                   |   |                       |                       |                      |                      |                     |  |                      |                                |                     |                    |                    |                                 |   |                                     |                          |                   |                        |   |                                    |                  |  |                        |                                |                    |                 |                  |                  |                  |                      | A  | A                               |   |   |
| PEEK                     | A                  | A                 |              | A                  |                   |   | A                     | A                     | A                    | A                    |                     | A  | A                    | A                              | A                   |                    | A                  |                                 |   |                                     |                          |                   |                        | A   | A                                  |                  |  |                        |                                |                    |                 |                  |                  |                  |                      |  | A                               | A | A |
| PVDF                     |                    |                   |              |                    |                   |   |                       |                       |                      |                      |                     | A  | D                    | C                              | A                   |                    |                    |                                 |   |                                     |                          |                   |                        |   | B                                  | A                | A  |                        |                                |                    |                 |                  |                  |                  |                      |  | A                               |   |   |
| UHMWPE                   |                    |                   |              |                    |                   |   | A                     |                       |                      |                      |                     |  | A                    | A                              | A                   |                    | A                  |                                 |   |                                     |                          |                   |                        | A   | A                                  | A                |  |                        | A                              |                    |                 | A                |                  |                  |                      | A  | A                               | A |   |
| TPE                      |                    |                   |              |                    |                   |   |                       |                       |                      |                      |                     |  |                      |                                |                     | B                  |                    |                                 |   |                                     |                          |                   |                        | B   | C                                  |                  |  |                        | D                              |                    |                 |                  |                  |                  |                      |  |                                 |   |   |
| Poly Acrylate            |                    |                   | D            |                    |                   | D   |                       |                       |                      |                      |                     |  | D                    | D                              | A                   |                    |                    |                                 |   |                                     |                          |                   |                        | A   |                                    |                  |  |                        | D                              |                    |                 |                  |                  |                  |                      |  |                                 |   |   |
| Poly Urethane            |                    |                   | D            |                    |                   | D   |                       |                       |                      |                      |                     |  | D                    | D                              | A                   |                    |                    |                                 |   |                                     |                          |                   |                        | A   |                                    |                  |  |                        | D                              |                    |                 |                  |                  |                  |                      |  |                                 |   |   |
| NBR                      | B                  | A                 |              |                    | B                 | A   | B                     |                       | B                    | B                    | A                   |  | A                    | A                              | A                   | A                  | A                  | B                               |   | A                                   |                          | A                 | A                      | A   | A                                  |                  |  | B                      | A                              | A                  | A               |                  |                  |                  |                      | A  | A                               | A |   |
| FPM (Viton®)             | B                  | D                 | A            |                    | D                 | A   |                       |                       | B                    | A                    | A                   |  | A                    | A                              | A                   | A                  | A                  | B                               |   | A                                   |                          | A                 | A                      | A   | A                                  |                  |  | B                      | A                              | A                  | A               |                  |                  |                  |                      | A  | A                               | D |   |
| Neoprene                 | B                  | B                 | A            | C                  |                   | A   |                       |                       | B                    | B                    | A                   |  | A                    | A                              | A                   | A                  | A                  |                                 |   |                                     |                          |                   |                        | A   | A                                  | A                |  |                        | A                              |                    | A               | A                |                  |                  |                      |  | A                               | A | B |
| EPDM                     | B                  | A                 | A            | B                  |                   | A   | A                     |                       |                      |                      | B                   |  | B                    | B                              | B                   | A                  | A                  | B                               |   | A                                   |                          |                   |                        | A   | A                                  | B                |  |                        | A                              | A                  |                 |                  |                  |                  |                      | B  |                                 |   |   |
| Kalrez®                  |                    | A                 |              | A                  | A                 | A   |                       | A                     | A                    |                      | A                   | A  | A                    | A                              | A                   | A                  |                    | A                               | A   | A                                   | A                        |                   |                        | A   | A                                  | A                | A  | A                      | A                              |                    |                 |                  |                  |                  |                      |  | A                               | A | A |
| Grafoil®                 | A                  | A                 |              | A                  |                   |   | A                     |                       | A                    | A                    | A                   |  | A                    | A                              | C                   | A                  |                    |                                 |   |                                     |                          |                   |                        | A   |                                    | A                |  |                        |                                |                    |                 |                  |                  |                  |                      |  | A                               | A |   |
| Silicone                 |                    |                   | A            |                    | D                 | A   |                       |                       |                      |                      |                     |  | A                    | A                              |                     | A                  |                    |                                 |   |                                     |                          |                   |                        | A   | A                                  |                  |  |                        |                                |                    |                 |                  |                  |                  |                      |  | C                               |   |   |
| Fluorosilicone           |                    |                   | A            |                    | D                 | A   |                       |                       |                      |                      |                     |  | A                    | A                              |                     | A                  |                    |                                 |   |                                     |                          |                   |                        | A   | A                                  |                  |  |                        |                                |                    |                 |                  |                  |                  |                      |  |                                 | C |   |

|                          | Fluid Name                     |                                 |                                |                  |                  |                   |                   |                   |                       |                            |                        |                    | Formula |                      |                     |                                |                       |                                 |                    |                           |                    |                    |                   |                   |                      |                   |                    |                       |                       |                     |                                |          |              |         |                 |                    |                    |                    |   |   |   |   |
|--------------------------|--------------------------------|---------------------------------|--------------------------------|------------------|------------------|-------------------|-------------------|-------------------|-----------------------|----------------------------|------------------------|--------------------|---------|----------------------|---------------------|--------------------------------|-----------------------|---------------------------------|--------------------|---------------------------|--------------------|--------------------|-------------------|-------------------|----------------------|-------------------|--------------------|-----------------------|-----------------------|---------------------|--------------------------------|----------|--------------|---------|-----------------|--------------------|--------------------|--------------------|---|---|---|---|
|                          | Potassium Hydroxide Dilute Hot | Potassium Hydroxide To 70% Cold | Potassium Hydroxide To 70% Hot | Potassium Iodide | Potassium Iodate | Potassium Nitrate | Potassium Nitrite | Potassium Oxalate | Potassium Perchlorate | Potassium Perfluoroacetate | Potassium Permanganate | Potassium Peroxide |         | Potassium Persulfate | Potassium Phosphate | Potassium Phosphate Di - basic | Potassium Pyrosulfate | Potassium Phosphate Tri - basic | Potassium Silicate | Potassium Sodium Tartrate | Potassium Stannate | Potassium Stearate | Potassium Sulfate | Potassium Sulfide | Power Steering Fluid | Potassium Sulfite | Potassium Tartrate | Potassium Thiocyanate | Potassium Thiosulfate | PRESTONE Antifreeze | PRL - High Temp, Hydraulic Oil | Prestone | Producer Gas | Propane | Propionaldehyde | n - Propyl Acetate | n - Propyl Acetone | n - Propyl Alcohol |   |   |   |   |
| Aluminum                 | D                              | D                               | D                              | D                | A                | C                 |                   |                   | B                     |                            |                        |                    | D       | B                    | D                   |                                |                       |                                 |                    |                           |                    | A                  | D                 | B                 |                      |                   |                    |                       |                       |                     |                                |          | B            | A       |                 |                    |                    |                    |   |   |   |   |
| Brass                    | D                              | D                               | D                              | D                | B                |                   |                   |                   | B                     |                            |                        |                    | C       | B                    |                     |                                |                       |                                 |                    |                           |                    |                    | B                 | B                 | B                    |                   |                    |                       |                       |                     |                                |          |              | B       | A               |                    |                    |                    |   |   |   |   |
| Carbon Steel             | B                              | B                               | A                              | C                | B                |                   |                   |                   | B                     |                            |                        |                    |         | A                    | A                   |                                |                       |                                 |                    |                           |                    |                    | B                 | B                 | B                    |                   |                    |                       |                       |                     |                                |          |              | B       | A               |                    |                    |                    |   |   |   |   |
| Alloy 600                |                                |                                 |                                |                  |                  |                   |                   |                   |                       |                            |                        |                    |         |                      |                     |                                |                       |                                 |                    |                           |                    |                    | B                 | B                 |                      |                   |                    |                       |                       |                     |                                |          |              |         |                 | A                  |                    |                    |   |   |   |   |
| Alloy 400/450(Monel®)    | A                              | A                               | A                              | C                | B                |                   |                   |                   | B                     |                            |                        |                    | B       | B                    | B                   |                                |                       |                                 |                    |                           |                    |                    | B                 | C                 | C                    |                   |                    |                       |                       |                     |                                |          |              | A       | A               |                    |                    |                    |   |   |   |   |
| Alloy 20                 | B                              | B                               | B                              | B                | B                | A                 |                   |                   | B                     |                            |                        |                    | B       | A                    | B                   |                                |                       |                                 |                    |                           |                    |                    | A                 | A                 | A                    |                   |                    |                       |                       |                     |                                |          |              | B       |                 |                    |                    |                    |   |   |   |   |
| Alloy C 276 (Hastelloy®) |                                |                                 |                                |                  | B                |                   |                   |                   | B                     |                            |                        |                    | B       | B                    |                     |                                |                       |                                 |                    |                           |                    |                    | B                 | B                 | B                    |                   |                    |                       |                       |                     |                                |          |              |         |                 |                    |                    |                    |   |   |   |   |
| Titanium                 |                                |                                 |                                |                  |                  |                   |                   |                   |                       |                            |                        |                    |         |                      |                     |                                |                       |                                 |                    |                           |                    |                    | A                 | A                 |                      |                   |                    |                       |                       |                     |                                |          |              |         |                 | A                  |                    |                    |   |   |   |   |
| Cast Iron                | B                              | B                               | B                              | C                | B                |                   |                   |                   | B                     |                            |                        |                    | C       | A                    | A                   |                                |                       |                                 |                    |                           |                    |                    | C                 | B                 | B                    |                   |                    |                       |                       |                     |                                |          |              |         | B               |                    |                    |                    |   |   |   |   |
| 316 Stainless Steel      | B                              | B                               | B                              | B                | B                | A                 |                   |                   | B                     |                            |                        |                    | B       | A                    | B                   |                                |                       |                                 |                    |                           |                    |                    | A                 | A                 | A                    |                   |                    |                       |                       |                     |                                |          |              |         | B               | A                  |                    |                    |   |   |   |   |
| 630 Stainless steel      | C                              | C                               | D                              | B                | B                |                   |                   |                   | B                     |                            |                        |                    |         |                      |                     |                                |                       |                                 |                    |                           |                    |                    | A                 |                   |                      |                   |                    |                       |                       |                     |                                |          |              |         | A               |                    |                    |                    |   |   |   |   |
| Carpenter 20®            | B                              | B                               | B                              | B                | B                | A                 |                   |                   | B                     |                            |                        |                    | B       | A                    | B                   |                                |                       |                                 |                    |                           |                    |                    | A                 | A                 | A                    |                   |                    |                       |                       |                     |                                |          |              |         | B               |                    |                    |                    |   |   |   |   |
| PTFE/PFA (Teflon®)       | A                              | A                               | A                              | A                | A                | A                 |                   |                   | A                     |                            |                        |                    | A       | A                    | A                   |                                |                       |                                 |                    |                           |                    |                    | A                 | A                 | A                    |                   |                    |                       |                       |                     |                                |          | B            | A       |                 | A                  | A                  | D                  | D | A |   |   |
| Nylon                    |                                |                                 | B                              |                  |                  |                   |                   |                   |                       |                            |                        |                    | A       | A                    | A                   |                                |                       |                                 |                    |                           |                    |                    | B                 | A                 | B                    |                   |                    |                       |                       |                     |                                |          |              |         |                 |                    |                    |                    |   |   |   |   |
| Polyethylen(PE)          |                                |                                 |                                |                  |                  |                   |                   |                   |                       |                            |                        |                    |         |                      |                     |                                |                       |                                 |                    |                           |                    |                    | B                 |                   | B                    |                   |                    |                       |                       |                     |                                |          |              |         |                 |                    |                    |                    |   |   |   |   |
| POM (Delrin®)            | D                              | D                               | D                              | A                | A                | A                 |                   |                   | A                     |                            |                        |                    | A       | A                    |                     |                                |                       |                                 |                    |                           |                    |                    | A                 | A                 | A                    |                   |                    |                       |                       |                     |                                |          |              |         |                 |                    |                    |                    |   |   |   |   |
| PCTFE (Kel-F®)           | A                              | A                               | A                              |                  |                  |                   |                   |                   | A                     |                            |                        |                    |         |                      |                     |                                |                       |                                 |                    |                           |                    |                    |                   |                   |                      |                   |                    |                       |                       |                     |                                |          |              |         |                 |                    |                    |                    |   |   |   |   |
| PEEK                     | A                              | A                               | A                              | A                | A                | A                 |                   |                   | A                     |                            |                        |                    | A       | A                    | A                   |                                |                       |                                 |                    |                           |                    |                    | A                 | A                 | A                    |                   |                    |                       |                       |                     |                                |          |              |         |                 |                    |                    |                    |   |   |   |   |
| PVDF                     |                                |                                 |                                |                  | A                | A                 |                   |                   | B                     |                            |                        |                    | A       |                      |                     |                                |                       |                                 |                    |                           |                    |                    |                   |                   |                      | A                 |                    |                       |                       |                     |                                |          |              |         |                 |                    |                    |                    | A |   |   |   |
| UHMWPE                   | A                              | A                               | A                              |                  | B                |                   |                   |                   | A                     |                            |                        |                    |         |                      |                     |                                |                       |                                 |                    |                           |                    |                    | A                 | A                 | A                    |                   |                    |                       |                       |                     |                                |          |              |         |                 |                    |                    |                    |   |   |   |   |
| TPE                      |                                |                                 |                                |                  | B                |                   |                   |                   | D                     |                            |                        |                    |         |                      |                     |                                |                       |                                 |                    |                           |                    |                    | B                 |                   |                      |                   |                    |                       |                       |                     |                                |          |              |         |                 |                    |                    |                    |   |   |   |   |
| Poly Acrylate            |                                |                                 |                                |                  |                  |                   |                   |                   |                       |                            |                        |                    | D       |                      |                     |                                |                       |                                 |                    |                           |                    |                    | D                 |                   |                      |                   |                    |                       |                       |                     |                                |          |              |         |                 | D                  | D                  | D                  |   |   |   |   |
| Poly Urethane            |                                |                                 |                                |                  |                  |                   |                   |                   |                       |                            |                        |                    | D       |                      |                     |                                |                       |                                 |                    |                           |                    |                    | A                 |                   |                      |                   |                    |                       |                       |                     |                                |          |              |         |                 | D                  | D                  | D                  |   |   |   |   |
| NBR                      | B                              | B                               | C                              | A                | A                |                   |                   |                   | B                     | A                          |                        |                    | A       | A                    | A                   | B                              | A                     |                                 |                    |                           |                    |                    | A                 | B                 | A                    | A                 |                    |                       |                       |                     |                                |          | A            | B       | A               | A                  | A                  | D                  | D | A |   |   |
| FPM (Viton®)             |                                | D                               |                                | A                | A                |                   |                   |                   | D                     | A                          |                        |                    | A       |                      |                     |                                |                       |                                 |                    |                           |                    |                    | A                 | B                 | B                    |                   |                    |                       |                       |                     |                                |          | A            | A       | A               | A                  | A                  | D                  | D | A |   |   |
| Neoprene                 | B                              | B                               | B                              | A                | A                |                   |                   |                   | B                     | A                          |                        |                    | A       | A                    | B                   | A                              |                       |                                 |                    |                           |                    |                    | A                 | A                 | B                    |                   |                    |                       |                       |                     |                                |          |              | A       | D               | D                  |                    |                    |   |   |   |   |
| EPDM                     |                                | B                               | A                              | B                | A                |                   |                   |                   | A                     | B                          |                        |                    | A       | B                    | B                   | A                              |                       |                                 |                    |                           |                    |                    | A                 | A                 | B                    |                   |                    |                       |                       |                     |                                |          | A            | D       | A               | D                  | D                  |                    | B | A | A |   |
| Kalrez®                  | A                              | A                               | A                              | A                | A                | A                 | A                 | A                 | A                     | A                          | A                      | A                  | A       | A                    | A                   | A                              | A                     | A                               | A                  | A                         | A                  | A                  | A                 | A                 | A                    | A                 | A                  | A                     | A                     | A                   | A                              | A        | A            | A       | A               | A                  | A                  | A                  | A | A | A |   |
| Grafoil®                 | A                              | A                               | A                              | A                | B                | A                 |                   |                   |                       |                            |                        |                    | A       | A                    | A                   |                                |                       |                                 |                    |                           |                    |                    | A                 | A                 | A                    |                   |                    |                       |                       |                     |                                |          |              |         |                 |                    |                    |                    |   |   |   |   |
| Silicone                 |                                |                                 |                                |                  | A                |                   |                   |                   |                       |                            |                        |                    | A       |                      |                     |                                |                       |                                 |                    |                           |                    |                    | A                 |                   | A                    |                   |                    |                       |                       |                     |                                |          | A            | B       | A               | B                  | D                  |                    | D | D | A |   |
| Fluorosilicone           |                                |                                 |                                |                  | A                |                   |                   |                   | D                     |                            |                        |                    | A       |                      |                     |                                |                       |                                 |                    |                           |                    |                    | A                 |                   | A                    |                   |                    |                       |                       |                     |                                |          |              | A       | A               | A                  | B                  | B                  |   | D | D | A |

| Fluid Name                             | Formula  | Aluminum | Brass | Carbon Steel | Alloy 600 | Alloy 400/450(Monel®) | Alloy 20 | Alloy C 276 (Hastelloy®) | Titanium | Cast Iron | 316 Stainless Steel | 630 Stainless steel | Carpenter 20® | PTFE/PFA (Teflon®) | Nylon | Polyethylen(PE) | POM (Delrin®) | PCTFE (Kel-F®) | PEEK | PVDF | UHMWPE | TPE | Poly Acrylate | Poly Urethane | NBR | FPM (Viton®) | Neoprene | EPDM | Kalrez® | Grafoil® | Silicone | Fluorosilicone |  |  |  |  |  |
|--|--|----------|-------|--------------|-----------|-----------------------|----------|--------------------------|----------|-----------|---------------------|---------------------|---------------|--------------------|-------|-----------------|---------------|----------------|------|------|--------|-----|---------------|---------------|-----|--------------|----------|------|---------|----------|----------|----------------|--|--|--|--|--|
| n - Propylamine                        | C <sub>3</sub> H <sub>7</sub> NH <sub>2</sub>                                      |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |  |  |
| n - Propylbenzene                      | C <sub>6</sub> H <sub>5</sub> CH <sub>2</sub> CH <sub>2</sub> CH <sub>3</sub>      |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |  |  |
| Propane (liquefied)                    |  |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |  |  |
| Propanol4087                           |  |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |  |  |
| Propanol8307                           |  |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |  |  |
| Propionic Acid                         |  |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |  |  |
| Propion Aldehyde                       |  |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |  |  |
| Propylene                              | CH <sub>3</sub> CH : CH <sub>2</sub>   |          |       | A            |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |  |  |
| Propylene Chhlorohydrin                | CH <sub>2</sub> ClCHOHCH <sub>3</sub>  |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |  |  |
| Propylene Dichloride                   | CH <sub>3</sub> CHClCH <sub>2</sub> Cl   |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |  |  |
| Propylene Glycol                       | CH <sub>3</sub> CHOHCH <sub>2</sub> OH   |          |       |              |           |                       |          | B                        |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |  |  |
| Propylene GlycolMimethyl Ether Acetate |  |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |  |  |
| Propylene Imine                        | CH <sub>2</sub> HCHNHCH <sub>2</sub>   |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |  |  |
| Propylene Oxide                        | H <sub>2</sub> COCHCH <sub>3</sub>   |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |  |  |
| Propyl Nitrate                         | CH <sub>3</sub> CH <sub>2</sub> COOCH <sub>2</sub> CH <sub>2</sub> CH <sub>3</sub> |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |  |  |
| n - Propyl Nitrate                     | C <sub>3</sub> H <sub>7</sub> NO <sub>3</sub>                                      |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |  |  |
| n - Propyl Propionate                  | CH <sub>3</sub> CH <sub>2</sub> COOCH <sub>2</sub> CH <sub>2</sub> CH <sub>3</sub> |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |  |  |
| PRS - 3000                             |  |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |  |  |
| PYDRAUL 115E                           |  |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |  |  |
| PYDRAUL 230C,312C&540C                 |  |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |  |  |
| PYDRAUL TRANSFORMER OIL                |  |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |  |  |
| Pulp Stock                             |  |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |  |  |
| Pyridine                               | N(CH <sub>5</sub> )  |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |  |  |
| Producer Gas                           |  |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |  |  |
| Propane                                |  |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |  |  |
| Propylene                              |  |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |  |  |
| Pydraul60, up to max. +50 °C           |  |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |  |  |
| Pydraul F9                             |  |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |  |  |
| Propyl Alcohol                         |  |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |  |  |
| Pyrogalllic Acid                       |  |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |  |  |
| Pyrogallol                             | C <sub>6</sub> H <sub>3</sub> (OH) <sub>3</sub>                                    |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |  |  |
| PYROGARD 42,43,53&55                   |  |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |  |  |
| PYROGARD C&D(Water&Petroleum)          |  |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |  |  |
| Pyroigneous Acid                       |  |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |  |  |
| PYROLUBE                               |  |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |  |  |
| Pyrosulfuryl Chloride                  |  |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |  |  |
| Pyrrrole                               | S <sub>2</sub> O <sub>5</sub> Cl <sub>2</sub>                                      |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |  |  |

| Fluid Name               | Pyruvic Acid           | Propane Gas | Propyl Bromide | Propylene Glycol | Pyridine | Pyrogallic Acid |
|--------------------------|------------------------|-------------|----------------|------------------|----------|-----------------|
| Formula                  | CH <sub>3</sub> COCOOH |             |                |                  |          |                 |
| Aluminum                 | A                      | B           | A              | B                | B        |                 |
| Brass                    | A                      | B           | B              |                  |          | B               |
| Carbon Steel             | B                      |             | B              |                  |          | B               |
| Alloy 600                |                        |             |                |                  |          |                 |
| Alloy 400/450(Monel®)    | B                      | B           | B              |                  |          | B               |
| Alloy 20                 | A                      | A           | B              | A                | A        |                 |
| Alloy C 276 (Hastelloy®) | A                      |             |                |                  |          |                 |
| Titanium                 |                        |             |                |                  |          |                 |
| Cast Iron                | B                      | B           | B              | B                | B        |                 |
| 316 Stainless Steel      | B                      | B           | B              | B                | B        |                 |
| 630 Stainless steel      | A                      |             |                |                  |          | B               |
| Carpenter 20®            | A                      | A           | B              | A                | A        |                 |
| PTFE/PFA (Teflon®)       | A                      | A           | A              | A                | A        |                 |
| Nylon                    | A                      |             |                |                  |          |                 |
| Polyethylen(PE)          |                        |             |                |                  |          |                 |
| POM (Delrin®)            | A                      | A           | C              | D                | A        |                 |
| PCTFE (Kel-F®)           |                        |             |                |                  | A        | A               |
| PEEK                     | A                      | A           | A              | A                | A        |                 |
| PVDF                     |                        |             |                |                  |          |                 |
| UHMWPE                   | A                      |             | A              |                  |          |                 |
| TPE                      |                        |             |                |                  |          |                 |
| Poly Acrylate            |                        |             |                |                  |          |                 |
| Poly Urethane            |                        |             |                |                  |          |                 |
| NBR                      | A                      | B           | A              | D                | A        |                 |
| FPM (Viton®)             | A                      | B           | A              | D                | A        |                 |
| Neoprene                 | B                      | B           | A              | D                | A        |                 |
| EPDM                     | D                      | B           | B              | B                |          |                 |
| Kalrez®                  | A                      | A           | A              | A                | A        |                 |
| Grafoil®                 | A                      | A           | A              | A                |          |                 |
| Silicone                 |                        |             |                |                  |          |                 |
| Fluorosilicone           |                        |             |                |                  |          |                 |

# [ Fluid Compatibility Guide - Q, R ]

| Fluid Name               | Quench Oil           |         |                          |                         |           |             | Radiation | Raffinate | Rapeseed Oil | RED line 100 OIL | Resins & Rosins | Resorcinol     | Rhodium | Riboflavin           | Ricinoleic Acid   | RJ - 1 (MIL - F - 25558) | RJ - 4 (MIL - F - 82522) | Road Tar | Roof Pitch | Rosin Emulsion | Rosin Paper Mill | Rosins | RP - 1 (MIL - R - 25576) | Rum | Rust inhibitors | RP - 1 Fuel | Rubber Latex Emulsions | Rubber Solvents |
|--------------------------|----------------------|---------|--------------------------|-------------------------|-----------|-------------|-----------|-----------|--------------|------------------|-----------------|----------------|---------|----------------------|-------------------|--------------------------|--------------------------|----------|------------|----------------|------------------|--------|--------------------------|-----|-----------------|-------------|------------------------|-----------------|
|                          | Quinine, Sulfate dry | Quinine | Quinizarin               | Quinoline               | Quinone   |             |           |           |              |                  |                 |                |         |                      |                   |                          |                          |          |            |                |                  |        |                          |     |                 |             |                        |                 |
| Formula                  |                      |         | $C_2O_{12}N_2O_2 : 3HOH$ | $C_{14}H_{16}O_2(OH)_2$ | $C_9H_7N$ | $C_6H_4O_2$ |           |           |              |                  |                 | $C_6H_4(OH)_2$ | Rh      | $C_{17}H_{20}N_4O_6$ | $CH_3(CH_2)7COOH$ |                          |                          |          |            |                |                  |        |                          |     |                 |             |                        |                 |
| Aluminum                 | A                    |         |                          |                         |           |             |           |           |              |                  | A               |                |         |                      |                   |                          |                          | A        | A          | A              |                  |        |                          |     | A               | A           | A                      |                 |
| Brass                    | B                    |         |                          |                         |           |             |           |           |              |                  | A               |                |         |                      |                   |                          |                          | A        | A          | B              |                  |        |                          |     | A               | A           | A                      |                 |
| Carbon Steel             | B                    |         |                          |                         |           |             |           |           |              |                  | C               |                |         |                      |                   |                          |                          | A        | A          | C              |                  |        |                          |     | A               | B           | A                      |                 |
| Alloy 600                |                      |         |                          |                         |           |             |           |           |              |                  |                 |                |         |                      |                   |                          |                          |          |            |                |                  |        |                          |     |                 |             |                        |                 |
| Alloy 400/450(Monel®)    |                      | B       |                          |                         |           |             |           |           |              |                  | A               |                |         |                      |                   |                          |                          | A        | A          | A              |                  |        |                          |     | A               |             | A                      |                 |
| Alloy 20                 | A                    | A       |                          |                         |           |             |           |           |              |                  | A               | B              |         |                      |                   |                          |                          | A        | A          | A              |                  |        |                          |     | A               | A           | A                      |                 |
| Alloy C 276 (Hastelloy®) |                      |         |                          |                         |           |             |           |           |              |                  |                 |                |         |                      |                   |                          |                          |          |            |                |                  |        |                          |     |                 |             |                        |                 |
| Titanium                 |                      |         |                          |                         |           |             |           |           |              |                  |                 |                |         |                      |                   |                          |                          |          |            |                |                  |        |                          |     |                 |             |                        |                 |
| Cast Iron                | B                    |         |                          |                         |           |             |           |           |              |                  | C               |                |         |                      |                   |                          |                          | A        | A          | C              |                  |        |                          |     | A               | B           | A                      |                 |
| 316 Stainless Steel      | A                    | A       |                          |                         |           |             |           |           |              |                  | A               | B              |         |                      |                   |                          |                          | A        | A          | A              |                  |        |                          |     | A               | A           | A                      |                 |
| 630 Stainless steel      |                      | B       |                          |                         |           |             |           |           |              |                  | B               |                |         |                      |                   |                          |                          |          |            |                |                  |        |                          |     |                 |             |                        |                 |
| Carpenter 20®            | A                    | A       |                          |                         |           |             |           |           |              |                  | A               | B              |         |                      |                   |                          |                          | A        | A          | A              |                  |        |                          |     | A               | A           | A                      |                 |
| PTFE/PFA (Teflon®)       | A                    | A       |                          |                         |           |             | A         | A         | A            | A                | A               |                |         |                      | A                 | A                        | A                        | A        | A          | A              |                  | A      | A                        |     | A               | A           | A                      |                 |
| Nylon                    |                      |         |                          |                         |           |             |           |           |              |                  | A               |                |         |                      |                   |                          |                          |          |            |                |                  |        |                          |     |                 |             |                        |                 |
| Polyethylen(PE)          |                      |         |                          |                         |           |             |           |           |              |                  |                 |                |         |                      |                   |                          |                          |          |            |                |                  |        |                          |     |                 |             |                        |                 |
| POM (Delrin®)            | A                    | A       |                          |                         |           |             |           |           |              |                  | A               |                |         |                      |                   |                          |                          | A        | A          | A              |                  |        |                          |     | A               | A           | C                      |                 |
| PCTFE (Kel-F®)           |                      |         |                          |                         |           |             |           |           |              |                  |                 |                |         |                      |                   |                          |                          |          |            |                |                  |        |                          |     |                 |             |                        |                 |
| PEEK                     | A                    | A       |                          |                         |           |             |           |           |              |                  | A               | A              |         |                      |                   |                          |                          | A        | A          | A              |                  |        |                          |     | A               | A           | A                      |                 |
| PVDF                     |                      |         | A                        |                         |           |             |           |           |              |                  |                 |                |         |                      |                   |                          |                          |          |            |                |                  |        |                          |     |                 |             |                        |                 |
| UHMWPE                   |                      |         |                          |                         |           |             |           |           |              |                  |                 | A              |         |                      |                   |                          |                          |          |            |                |                  | B      |                          |     |                 |             |                        |                 |
| TPE                      |                      |         |                          |                         |           |             |           |           |              |                  |                 |                |         |                      |                   |                          |                          |          |            |                |                  |        |                          |     |                 |             |                        |                 |
| Poly Acrylate            |                      |         |                          |                         |           |             |           |           | D            |                  |                 |                |         |                      |                   |                          |                          |          |            |                | D                | D      |                          |     |                 |             |                        |                 |
| Poly Urethane            |                      |         |                          |                         |           |             |           |           | D            |                  |                 |                |         |                      |                   |                          |                          |          |            |                | D                | D      |                          |     |                 |             |                        |                 |
| NBR                      | A                    |         |                          |                         |           |             | C         | B         | A            | C                | D               |                |         |                      | A                 | B                        | B                        | B        | D          | A              | A                | A      | A                        | A   | B               |             | D                      |                 |
| FPM (Viton®)             | A                    |         |                          |                         |           |             | D         | A         | A            | A                | A               |                |         |                      | A                 | A                        | A                        | A        | B          | A              | A                | A      | A                        | A   | A               | A           | D                      |                 |
| Neoprene                 | B                    |         |                          |                         |           |             |           | B         |              | C                |                 |                |         |                      |                   |                          | C                        | C        | C          | A              | A                |        |                          |     | B               |             | C                      |                 |
| EPDM                     |                      |         |                          |                         |           |             | A         | D         | D            |                  | D               |                |         |                      | D                 | D                        | D                        |          |            | A              | A                | D      |                          |     | D               |             |                        |                 |
| Kalrez®                  |                      | A       | A                        | A                       | A         | A           | B         | A         | A            | A                | A               | A              | A       | A                    | A                 | A                        |                          |          |            |                | A                | A      |                          |     |                 |             |                        |                 |
| Grafoil®                 | A                    | A       |                          |                         |           |             |           |           |              | A                | A               |                |         |                      |                   |                          | A                        | A        | A          |                |                  |        |                          |     | A               | A           | A                      |                 |
| Silicone                 |                      |         |                          |                         |           |             | B         | D         | D            |                  |                 |                |         |                      | D                 | D                        |                          |          |            | A              | A                | D      |                          |     |                 |             |                        |                 |
| Fluorosilicone           |                      |         |                          |                         |           |             | D         | A         | A            |                  |                 |                |         |                      | A                 | A                        |                          |          |            | A              | A                | A      |                          |     |                 |             |                        |                 |

# [ Fluid Compatibility Guide - S ]

| Fluid Name               | Salad Oil | Salad dressings | Salt | Salt Brine | Sauerkraut Arine | Sea Water | Saccharin Solution | Sal Ammoniac | Salicylic Acid                           | Salt Water | SANTOSAFE300 | Sebacid Acid                             | Selenic Acid                    | Selenious Acid | Sewage | SHELL TELLUS 27 (Petro Base) | SHELL UMF (5% Aromatic) | Shellac | Silane           | Silicate Esters | Silicone Tetrachloride | Silicone Tetrafluoride | Silicone | Silver nitrate    | Silicone Fluids | Silver Bromide | Silver Chloride | Silver Cyanide | Silicate Esters | Silver Oxide      | Silver Sulfate    | Silver Salts | Silver Nitrate 10% | Silver Plating Sol | Skydrol 500B | Skydrol (7000and500) | SKYDROL 500 |   |   |   |   |
|--------------------------|-----------|-----------------|------|------------|------------------|-----------|--------------------|--------------|--|------------|--------------|--|---------------------------------|----------------|--------|------------------------------|-------------------------|---------|------------------|-----------------|------------------------|------------------------|----------|-------------------|-----------------|----------------|-----------------|----------------|-----------------|-------------------|-------------------|--------------|--------------------|--------------------|--------------|----------------------|-------------|---|---|---|---|
| Formula                  |           |                 | NaCl |            |                  |           |                    |              | C <sub>6</sub> H <sub>4</sub> (OH)(COOH) |            |              | COOH(CH <sub>2</sub> ) <sub>8</sub> COOH | H <sub>2</sub> SeO <sub>3</sub> |                |        |                              |                         |         | SiH <sub>4</sub> |                 | SiCl <sub>4</sub>      | SiF <sub>4</sub>       |          | AgNO <sub>3</sub> |                 | AgBr           | AgCl            | AgCN           |                 | Ag <sub>2</sub> O | AgSO <sub>4</sub> |              |                    |                    |              |                      |             |   |   |   |   |
| Aluminum                 |           |                 | B    | B          |                  | C         |                    |              | C  |            |              |  |                                 |                | C      |                              |                         | A       |                  |                 |                        |                        |          | D                 | B               | D              | D               | D              |                 |                   |                   |              |                    |                    | B            |                      |             |   |   |   |   |
| Brass                    | B         |                 | B    | B          |                  | C         |                    |              | C  |            |              |  |                                 |                | C      |                              |                         | A       |                  |                 |                        |                        |          |                   | D               | B              | D               | D              | D               |                   |                   |              |                    |                    |              | D                    |             |   |   |   |   |
| Carbon Steel             | C         |                 | C    |            |                  | D         |                    |              | D  |            |              |  |                                 |                | C      |                              |                         | A       |                  |                 |                        |                        |          |                   | D               | D              | D               |                |                 |                   |                   |              |                    |                    | D            |                      |             |   |   |   |   |
| Alloy 600                |           |                 | A    |            |                  | A         |                    |              | B  |            |              |  |                                 |                |        |                              |                         |         |                  |                 |                        |                        |          | B                 |                 |                |                 |                |                 |                   |                   |              |                    |                    |              |                      |             |   |   |   |   |
| Alloy 400/450(Monel®)    | B         |                 | A    | B          |                  | A         |                    |              | A  |            |              |  |                                 |                | B      |                              |                         | A       |                  |                 |                        |                        |          | D                 |                 | B              | B               | B              |                 |                   |                   |              |                    |                    | D            |                      |             |   |   |   |   |
| Alloy 20                 | A         |                 | A    | B          | B                | B         |                    |              | B  |            |              |  |                                 |                | B      |                              |                         | A       |                  |                 |                        |                        |          | A                 | B               | A              |                 | A              |                 |                   |                   |              |                    |                    | A            |                      |             |   |   |   |   |
| Alloy C 276 (Hastelloy®) |           |                 | A    |            |                  | A         |                    |              | B  |            |              |  |                                 |                |        |                              |                         |         |                  |                 |                        |                        |          | A                 |                 | A              | B               |                |                 |                   |                   |              |                    |                    |              |                      |             |   |   |   |   |
| Titanium                 |           |                 | A    |            |                  | A         |                    |              |  |            |              |  |                                 |                |        |                              |                         |         |                  |                 |                        |                        |          | A                 |                 | A              | A               |                |                 |                   |                   |              |                    |                    |              |                      |             |   |   |   |   |
| Cast Iron                | C         |                 | C    | D          |                  | D         |                    |              | D  |            |              |  |                                 |                | D      |                              |                         | B       |                  |                 |                        |                        |          | D                 | B               |                |                 | D              |                 |                   |                   |              |                    |                    |              |                      |             |   |   |   |   |
| 316 Stainless Steel      | B         |                 | B    | B          | B                | B         |                    |              | A  |            |              |  |                                 |                | B      |                              |                         | A       |                  |                 |                        |                        |          | B                 | B               | A              | D               | A              |                 |                   |                   |              |                    |                    | A            | A                    |             |   |   |   |   |
| 630 Stainless steel      |           |                 |      |            |                  |           |                    |              |  |            |              |  |                                 |                | A      |                              |                         |         |                  |                 |                        |                        |          |                   |                 |                |                 |                |                 |                   |                   |              |                    |                    |              |                      |             |   |   |   |   |
| Carpenter 20®            | A         |                 | A    | B          | B                | B         |                    |              | B  |            |              |  |                                 |                | B      |                              |                         | A       |                  |                 |                        |                        |          |                   | B               | A              |                 | A              |                 |                   |                   |              |                    |                    | A            | A                    |             |   |   |   |   |
| PTFE/PFA (Teflon®)       | A         |                 | A    | A          | A                | A         |                    |              | A  | A          | A            |  |                                 |                | A      | A                            | A                       | A       |                  |                 |                        |                        | A        | A                 | A               | A              | A               | A              | A               |                   |                   |              |                    |                    | A            | A                    | A           | A |   |   |   |
| Nylon                    |           |                 |      | C          |                  | C         |                    |              |  |            |              |  |                                 |                |        |                              |                         |         |                  |                 |                        |                        |          |                   |                 |                |                 | B              |                 |                   |                   |              |                    |                    |              |                      |             |   |   |   |   |
| Polyethylen(PE)          |           |                 | B    |            |                  | B         |                    |              |  |            |              |  |                                 |                |        |                              |                         |         |                  |                 |                        |                        |          |                   | B               |                | A               |                |                 |                   |                   |              |                    |                    |              |                      |             |   |   |   |   |
| POM (Delrin®)            | A         |                 | A    | A          | C                | A         |                    |              | A  |            |              |  |                                 |                | B      |                              |                         | A       |                  |                 |                        |                        |          | B                 | A               | D              |                 | D              |                 |                   |                   |              |                    |                    | A            | D                    |             |   |   |   |   |
| PCTFE (Kel-F®)           |           |                 |      |            |                  |           |                    |              |  |            |              |  |                                 |                |        |                              |                         |         |                  |                 |                        |                        |          |                   |                 |                | A               |                |                 |                   |                   |              |                    |                    |              |                      |             |   |   |   |   |
| PEEK                     | A         |                 | A    | A          | A                | A         |                    |              | A  |            |              |  |                                 |                | A      |                              |                         | A       |                  |                 |                        |                        |          |                   |                 | A              | A               |                | A               |                   |                   |              |                    |                    |              | A                    | A           |   |   |   |   |
| PVDF                     |           |                 |      |            |                  |           |                    |              | A  |            |              |  |                                 |                |        |                              |                         |         |                  |                 |                        |                        |          | A                 | A               |                |                 |                |                 | A                 |                   |              |                    |                    |              |                      |             |   |   |   |   |
| UHMWPE                   |           |                 | A    | A          |                  | A         |                    |              | A  |            |              |  |                                 |                | A      |                              |                         | A       |                  |                 |                        |                        |          |                   | A               | C              | A               |                |                 |                   |                   |              |                    |                    |              | A                    |             |   |   |   |   |
| TPE                      |           |                 |      |            |                  | A         |                    |              |  |            |              |  |                                 |                |        |                              |                         |         |                  |                 |                        |                        |          | A                 |                 |                |                 |                |                 |                   |                   |              |                    |                    |              |                      | D           |   |   |   |   |
| Poly Acrylate            |           |                 | D    |            |                  | D         |                    |              | A  |            |              |  |                                 |                | D      |                              |                         |         |                  |                 |                        |                        |          |                   | A               |                |                 |                | D               | D                 |                   |              |                    |                    | D            |                      |             | D |   |   |   |
| Poly Urethane            |           |                 | D    |            |                  | D         |                    |              | A  |            |              |  |                                 |                | D      |                              |                         |         |                  |                 |                        |                        |          |                   | A               |                |                 | D              | D               |                   |                   |              |                    |                    |              |                      |             | D |   |   |   |
| NBR                      | A         | A               | A    | A          |                  | A         |                    |              | A  | B          |              |  |                                 |                | A      |                              |                         | A       |                  |                 |                        |                        |          | A                 | C               | B              |                 | B              | B               |                   |                   |              |                    |                    | A            | B                    | D           | D | D |   |   |
| FPM (Viton®)             | A         | A               | A    | B          |                  | A         |                    |              | A  | A          | B            | A  |                                 |                | B      | A                            | A                       | A       |                  |                 |                        |                        |          | A                 | A               | B              |                 | B              | A               |                   |                   |              |                    |                    | A            | A                    | D           | D | A |   |   |
| Neoprene                 | A         |                 | A    | D          |                  | B         |                    |              | A  | A          |              |  |                                 |                | B      |                              |                         | A       |                  |                 |                        |                        |          |                   | C               | B              |                 | B              | B               |                   |                   |              |                    |                    |              | A                    | A           | B | D |   |   |
| EPDM                     | B         |                 | A    | B          |                  | A         |                    |              | A  | A          | A            | C  |                                 |                | A      | D                            | D                       | A       |                  |                 |                        |                        |          | A                 | A               |                |                 |                | D               | D                 |                   |              |                    |                    |              |                      | A           | A |   |   |   |
| Kalrez®                  |           |                 |      |            |                  | A         | A                  |              | A  | A          | A            | A  | A                               | A              | A      | A                            | A                       | A       |                  |                 |                        |                        |          | A                 | A               | A              | A               | A              | A               |                   |                   |              |                    |                    |              |                      |             |   | A |   |   |
| Grafoil®                 | A         |                 | A    | A          |                  | A         |                    |              | A  |            |              |  |                                 |                | A      |                              |                         | A       |                  |                 |                        |                        |          |                   |                 | A              | A               |                | A               |                   |                   |              |                    |                    |              |                      |             |   | B |   |   |
| Silicone                 |           |                 | A    |            |                  | A         |                    |              | B  | A          | A            |  |                                 |                | A      | D                            | D                       |         |                  |                 |                        |                        |          |                   |                 |                |                 |                | D               | D                 |                   |              |                    |                    |              |                      |             |   | D | C |   |
| Fluorosilicone           |           |                 | A    |            |                  | A         |                    |              | A  | A          | A            |  |                                 |                | A      | A                            | A                       |         |                  |                 |                        |                        |          |                   |                 |                |                 |                | A               | A                 |                   |              |                    |                    |              |                      |             |   |   | D | C |

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| Fluid Name               | Sodium Hydroxide Solution | Sodium Hydrosulfite Solution | Sodium Hypochlorite Solution | Sodium bicarbonate | Sodium onloride | Sodium hydroxide | Sodium suiphate                 | Sodium sulphide   | Soluble oil | Steam(100 °C ) | Sulphuric acid                 | Sodium bisulphate, 50%at+20 °C | Sodium carbonate, +20 °C | Sodium chloride, +20 °C | Sodium hydroxide, 20%at -20 °C | Sodium monofluorophosphate, +20 °C | Sodium nitrate, +20 °C | Solvents | Sodium Bicarbonate Solution | Sodium Bifluoride | Sodium Bisulfate Solution | Sodium Bisulfite Solution | Sodium Bitartrate                                     | Sodium Borate   | Sodium Bromate     | Sodium Bromide     | Sodium Benzoate | Sodium Bicarbonate | Sodium Bichromate | Sodium Bisulfate | Sodium Bisulfate 10% | Sodium Bisulfite | Sodium Bisulfite 10% | Sodium Bromide | Sodium Bromide 10% | Sodium Chlorate | Sodium Carbonate(Soda Ash) |   |   |   |   |
|--------------------------|---------------------------|------------------------------|------------------------------|--------------------|-----------------|------------------|---------------------------------|-------------------|-------------|----------------|--------------------------------|--------------------------------|--------------------------|-------------------------|--------------------------------|------------------------------------|------------------------|----------|-----------------------------|-------------------|---------------------------|---------------------------|---|---|--------------------|--------------------|-----------------|--------------------|-------------------|------------------|----------------------|------------------|----------------------|----------------|--------------------|-----------------|----------------------------|---|---|---|---|
| Formula                  |                           |                              |                              | NaHCC <sub>3</sub> | Na Cl           | Na OH            | Na <sub>2</sub> SO <sub>4</sub> | Na <sub>2</sub> S |             |                | H <sub>2</sub> SO <sub>4</sub> |                                |                          |                         |                                |                                    |                        |          | NaHCO <sub>3</sub>          | NaHF <sub>2</sub> | NaHSO <sub>4</sub>        | NaHSO <sub>3</sub>        | NaHC <sub>4</sub> H <sub>6</sub> O <sub>6</sub> : HOH | Na <sub>2</sub> B <sub>4</sub> O <sub>7</sub> : 10HOH | NaBrO <sub>3</sub> | NaBrO <sub>3</sub> |                 |                    |                   |                  |                      |                  |                      |                |                    |                 | NaClO <sub>3</sub>         |   |   |   |   |
| Aluminum                 |                           |                              |                              | D                  | C               | D                | D                               | D                 | A           | C              | D                              |                                |                          |                         |                                |                                    |                        |          |                             |                   |                           |                           |   | B   |                    |                    | B               | B                  | A                 | B                | D                    | D                | D                    | D              | B                  | D               | D                          |   |   |   |   |
| Brass                    |                           |                              |                              | B                  | C               | B                | B                               | D                 | A           | A              | C                              |                                |                          |                         |                                |                                    |                        |          |                             |                   |                           |                           |   |   | B                  |                    |                 | B                  | C                 | B                | D                    | D                | B                    | C              | B                  | B               | B                          | B |   |   |   |
| Carbon Steel             |                           |                              |                              | B                  | B               | B                | B                               | B                 | B           | B              | B                              | C                              | C                        | C                       | A                              | C                                  | B                      | A        |                             |                   |                           |                           |   | C   |                    |                    |                 | B                  | D                 | D                | B                    | D                | B                    | C              | B                  | C               | B                          | B |   |   |   |
| Alloy 600                |                           |                              |                              |                    |                 |                  |                                 |                   |             |                |                                |                                |                          |                         |                                |                                    |                        |          |                             |                   |                           |                           |   |   |                    |                    |                 | A                  | B                 | B                | B                    | B                | B                    | B              | B                  | B               | B                          | B | A |   |   |
| Alloy 400/450(Monel®)    |                           |                              |                              |                    |                 |                  |                                 |                   |             |                |                                |                                |                          |                         |                                |                                    |                        |          |                             |                   |                           |                           |   | B   |                    | B                  | A               | B                  | B                 | B                | B                    | B                | B                    | B              | B                  | B               | B                          | B | B |   |   |
| Alloy 20                 |                           |                              |                              |                    |                 |                  |                                 |                   |             |                |                                |                                |                          |                         |                                |                                    |                        |          |                             |                   |                           |                           |   | B   |                    | B                  | A               | B                  | A                 | B                | A                    | B                | B                    | B              | B                  | B               | B                          | B | A |   |   |
| Alloy C 276 (Hastelloy®) |                           |                              |                              |                    |                 |                  |                                 |                   |             |                |                                |                                |                          |                         |                                |                                    |                        |          | B                           | B                 | B                         |                           |   |   |                    |                    |                 | A                  | B                 | B                | B                    | B                | B                    | B              | B                  | B               | A                          | B | B |   |   |
| Titanium                 |                           |                              |                              |                    |                 |                  |                                 |                   |             |                |                                |                                |                          |                         |                                |                                    |                        |          |                             |                   |                           |                           |   |   |                    |                    |                 | A                  | A                 | B                |                      |                  |                      |                |                    |                 |                            |   | B | B |   |
| Cast Iron                |                           |                              |                              |                    |                 |                  |                                 |                   |             |                |                                |                                |                          |                         |                                |                                    |                        |          |                             |                   |                           |                           |   | C   |                    |                    |                 | C                  |                   | D                | D                    | D                | D                    | D              | D                  | D               | D                          | D | B | B |   |
| 316 Stainless Steel      |                           |                              |                              | B                  | B               | A                | A                               | B                 | A           | A              | B                              |                                |                          |                         |                                |                                    |                        |          |                             |                   |                           |                           |   | B   |                    | B                  | B               | B                  | B                 | A                | A                    | A                | A                    | A              | A                  | A               | A                          | A | A | A |   |
| 630 Stainless steel      |                           |                              |                              |                    |                 |                  |                                 |                   |             |                |                                |                                |                          |                         |                                |                                    |                        |          |                             |                   |                           |                           |   |   |                    |                    |                 |                    |                   |                  |                      |                  |                      |                |                    |                 |                            |   |   |   |   |
| Carpenter 20®            |                           |                              |                              |                    |                 |                  |                                 |                   |             |                |                                |                                |                          |                         |                                |                                    |                        |          |                             |                   |                           |                           |   | B   |                    | B                  | A               | B                  | A                 | B                | A                    | B                | B                    | B              | B                  | B               | B                          | B | B | A |   |
| PTFE/PFA (Teflon®)       |                           |                              |                              | A                  | A               | A                | A                               | A                 | A           | A              | A                              | A                              | A                        | A                       | A                              | A                                  | A                      | A        | A                           | A                 | A                         | A                         | A   | A   |                    |                    | A               | A                  | A                 | A                | A                    | A                | A                    | A              | A                  | A               | A                          | A | A | A |   |
| Nylon                    |                           |                              |                              |                    |                 |                  |                                 |                   |             |                |                                |                                |                          |                         |                                |                                    |                        |          |                             |                   |                           |                           |   |   |                    |                    |                 | B                  | A                 | A                | A                    | A                | A                    | A              | A                  | A               | A                          | A | A | A | A |
| Polyethylen(PE)          |                           |                              |                              |                    |                 |                  |                                 |                   |             |                |                                |                                |                          |                         |                                |                                    |                        |          |                             |                   |                           |                           |   |   |                    |                    | A               | A                  | B                 | B                |                      |                  |                      |                |                    |                 |                            |   |   | A | A |
| POM (Delrin®)            |                           |                              |                              | B                  | A               | D                | A                               | B                 | A           | D              | D                              | C                              | A                        | A                       | C                              | A                                  | B                      |          |                             |                   |                           |                           |   | A   |                    | B                  | A               | A                  | A                 | D                | A                    | D                | A                    | A              | A                  | A               | A                          | A | A | A |   |
| PCTFE (Kel-F®)           |                           |                              |                              |                    |                 |                  |                                 |                   |             |                |                                |                                |                          |                         |                                |                                    |                        |          |                             |                   |                           |                           |   | A   |                    |                    |                 |                    |                   | A                | A                    |                  |                      |                |                    |                 |                            |   |   | A | A |
| PEEK                     |                           |                              |                              |                    |                 |                  |                                 |                   |             |                |                                |                                |                          |                         |                                |                                    |                        |          |                             |                   |                           |                           |   | A   |                    | A                  | A               | A                  | A                 | A                | A                    | A                | A                    | A              | A                  | A               | A                          | A | A | A | A |
| PVDF                     |                           |                              |                              | A                  |                 |                  |                                 |                   |             |                |                                |                                |                          |                         |                                |                                    |                        |          |                             |                   |                           |                           |   |   | A                  | A                  | A               |                    |                   |                  |                      |                  |                      |                |                    |                 |                            |   |   | B | B |
| UHMWPE                   |                           |                              |                              |                    |                 |                  |                                 |                   |             |                |                                |                                |                          |                         |                                |                                    |                        |          |                             |                   |                           |                           |   | A   |                    | A                  | A               | A                  | A                 | A                | A                    | A                | A                    | A              | A                  | A               | A                          | A | A | A | A |
| TPE                      |                           |                              |                              |                    |                 |                  |                                 |                   |             |                |                                |                                |                          |                         |                                |                                    |                        |          |                             |                   |                           |                           |   |   |                    |                    |                 |                    |                   |                  |                      |                  |                      |                |                    |                 |                            |   |   |   |   |
| Poly Acrylate            | D                         | D                            | D                            |                    |                 |                  |                                 |                   |             |                |                                |                                |                          |                         |                                |                                    |                        |          |                             |                   |                           |                           |   |   |                    |                    |                 |                    |                   |                  |                      |                  |                      |                |                    |                 |                            |   |   |   |   |
| Poly Urethane            | D                         | D                            |                              |                    |                 |                  |                                 |                   |             |                |                                |                                |                          |                         |                                |                                    |                        |          |                             |                   |                           |                           |   |   |                    |                    |                 |                    |                   |                  |                      |                  |                      |                |                    |                 |                            |   |   |   |   |
| NBR                      | B                         | A                            | B                            | B                  | A               | B                | B                               | B                 | B           | D              | D                              | C                              | A                        | A                       | A                              | B                                  | C                      | C        | A                           | A                 | A                         | A                         | A   |   |                    |                    | A               | D                  | A                 | A                | A                    | A                | A                    | A              | A                  | A               | A                          | A | A | A |   |
| FPM (Viton®)             | A                         | A                            | A                            | A                  | A               | B                | A                               | A                 | A           | D              | B                              | C                              | A                        | A                       | B                              | B                                  | B                      | C        | A                           | A                 | A                         | A                         | A   |   |                    |                    | A               | A                  | A                 | A                | A                    | A                | A                    | A              | A                  | A               | A                          | A | A | A | A |
| Neoprene                 | A                         | A                            | B                            |                    |                 |                  |                                 |                   |             |                |                                |                                |                          |                         |                                |                                    |                        |          |                             |                   |                           |                           |   | A   |                    |                    | A               | A                  | A                 | A                | A                    | A                | A                    | A              | A                  | A               | A                          | A | A | A | A |
| EPDM                     | A                         | A                            | A                            | A                  | A               | A                | A                               | A                 | D           | A              | C                              | C                              |                          |                         |                                |                                    |                        | C        | C                           | A                 | A                         | A                         | B   |   |                    |                    | A               |                    | B                 | B                | B                    | B                | B                    | B              | B                  | B               | B                          | B | B | B |   |
| Kalrez®                  |                           |                              |                              |                    |                 |                  |                                 |                   |             |                |                                |                                |                          |                         |                                |                                    |                        |          |                             | A                 | A                         | A                         | A   | A   | A                  | A                  | A               | A                  | A                 | A                | A                    | A                | A                    | A              | A                  | A               | A                          | A | A | A |   |
| Grafoil®                 |                           |                              |                              |                    |                 |                  |                                 |                   |             |                |                                |                                |                          |                         |                                |                                    |                        |          |                             |                   |                           |                           |   | A   |                    |                    | A               | A                  |                   | A                | A                    |                  |                      |                |                    |                 |                            |   |   |   | A |
| Silicone                 | C                         | A                            | B                            |                    |                 |                  |                                 |                   |             |                |                                |                                |                          |                         |                                |                                    |                        |          |                             | A                 | A                         | A                         | A   |   |                    |                    |                 |                    |                   |                  |                      |                  |                      |                |                    |                 |                            |   |   |   |   |
| Fluorosilicone           | C                         | A                            | B                            |                    |                 |                  |                                 |                   |             |                |                                |                                |                          |                         |                                |                                    |                        |          |                             | A                 | A                         | A                         | A   |   |                    |                    |                 |                    |                   |                  |                      |                  |                      |                |                    |                 |                            |   |   |   |   |

| Fluid Name               | Sodium Chloride Solution | Sodium Chlorite    | Sodium Chloroacetate    | Sodium Chromate                          | Sodium Citrate  | Sodium Cyanate | Sodium Cyanide | Sodium Chlorate | Sodium Chloride | Sodium Diacetate                                | Sodium Dichromate                                     | Sodium Ethylate                   | Sodium Ferricyanide                         | Sodium Ferrocyanide                         | Sodium Fluoride | Sodium Fluorosilicate            | Sodium Glutamate  | Sodium Hydride | Sodium Hydrosulfide | Sodium Hydroxide | Sodium Hydroxide 20% Cold | Sodium Hydroxide 20% Hot | Sodium Hydroxide 50% Cold | Sodium Hydroxide 50% Hot | Sodium Hydroxide 70% Cold | Sodium Hydroxide 70% Hot  | Sodium Hypochlorite                    | Sodium Hypophosphite | Sodium Hypochlorite(Bleach) | Sodium Hyposulfite | Sodium Iodide             | Sodium Lactate                    | Sodium Metaphosphate | Sodium Methylate | Sodium Lactate                   | Sodium Metasilicate |   |   |   |   |
|--------------------------|--------------------------|--------------------|-------------------------|--|---|----------------|----------------|-----------------|-----------------|---|---|-----------------------------------|---|---|-----------------|----------------------------------|---|----------------|---------------------|------------------|---------------------------|--------------------------|---------------------------|--------------------------|---------------------------|---------------------------|--|----------------------|-----------------------------|--------------------|---------------------------|-----------------------------------|----------------------|------------------|----------------------------------|---------------------|---|---|---|---|
| Formula                  | NaCl                     | NaClO <sub>2</sub> | ClCH <sub>2</sub> COONa | Na <sub>2</sub> CrO <sub>4</sub> : 10HOH | C <sub>6</sub> H <sub>5</sub> O <sub>7</sub> Na <sub>3</sub> : 2HOH | NaOCN          | NaCN           |                 |                 | CH <sub>3</sub> COONa : x(CH <sub>3</sub> COOH) | Na <sub>2</sub> Cr <sub>2</sub> O <sub>7</sub> : 2HOH | C <sub>2</sub> H <sub>5</sub> ONa | Na <sub>3</sub> Fe(CN) <sub>6</sub> : 10HOH | Na <sub>4</sub> Fe(CN) <sub>6</sub> : 10HOH | NaF             | Na <sub>2</sub> SiF <sub>6</sub> | COOH(CH <sub>2</sub> ) <sub>2</sub> CH(NH <sub>2</sub> )COONa | NaH            | NashH : 2HOH        | NaOH             |                           |                          |                           |                          |                           | NaOCl : 5H <sub>2</sub> O | NaH <sub>2</sub> PO <sub>2</sub> : HOH |                      |                             | NaI                | CH <sub>3</sub> CHOHCOONa | (NaPO <sub>3</sub> ) <sub>n</sub> | CH <sub>3</sub> ONa  |                  | Na <sub>2</sub> SiO <sub>3</sub> |                     |   |   |   |   |
| Aluminum                 |                          |                    |                         | D  | D   | D              | C              | B               |                 |   |   |                                   | A   | C   |                 |                                  |   |                |                     | D                | D                         | D                        | D                         | D                        | D                         |                           |  | D                    | B                           |                    |                           |                                   |                      |                  |                                  |                     | B |   |   |   |
| Brass                    |                          |                    |                         | A  |   |                | D              | B               | B               |   |   |                                   |   |   | C               |                                  |   |                |                     | D                | A                         | A                        | A                         | A                        | A                         | B                         |  |                      | D                           |                    |                           |                                   |                      |                  | C                                |                     |   | B |   |   |
| Carbon Steel             |                          |                    |                         | B  |   |                | B              | C               | C               |   |   |                                   |   |   | D               |                                  |   |                |                     | B                | A                         | B                        | A                         | B                        | A                         | B                         |  |                      | D                           |                    |                           |                                   |                      |                  | B                                |                     |   | C |   |   |
| Alloy 600                |                          |                    |                         | A  |   |                | A              | A               | A               |   |   |                                   |   |   |                 |                                  |   |                |                     | A                |                           |                          |                           |                          |                           |                           |  |                      |                             |                    |                           |                                   |                      |                  |                                  |                     |   |   |   |   |
| Alloy 400/450(Monel®)    |                          |                    |                         | B  |   |                | B              | C               | A               |   |   |                                   | B   | B   |                 |                                  |   |                |                     | A                | A                         | A                        | A                         | B                        | A                         | B                         |  |                      | D                           | B                  |                           | B                                 |                      |                  |                                  |                     |   | A |   |   |
| Alloy 20                 |                          |                    |                         | B  | B   |                | A              | B               | A               |   |   |                                   | A   | A   |                 |                                  |   |                |                     |                  | B                         | A                        | A                         | A                        | B                         | B                         |  |                      | C                           | B                  |                           | A                                 | B                    |                  |                                  |                     |   | A |   |   |
| Alloy C 276 (Hastelloy®) | A                        |                    |                         | A  |   |                | A              | B               | A               |   |   |                                   |   |   | B               |                                  |   |                |                     |                  |                           |                          |                           |                          |                           |                           |  |                      | A                           |                    |                           |                                   |                      |                  | A                                |                     |   |   |   |   |
| Titanium                 |                          |                    |                         | A  |   |                | A              | A               | A               |   |   |                                   |   |   | B               |                                  |   |                |                     | B                |                           |                          |                           |                          |                           |                           |  |                      |                             |                    |                           |                                   |                      |                  |                                  |                     |   |   |   |   |
| Cast Iron                |                          |                    |                         | B  |   |                | B              | C               | C               |   |   |                                   |   |   | D               |                                  |   |                |                     |                  | A                         | B                        | B                         | B                        | A                         | B                         |  |                      | D                           |                    |                           |                                   |                      |                  | C                                |                     |   | C |   |   |
| 316 Stainless Steel      |                          |                    |                         | A  | B   |                | A              | B               | B               |   |   |                                   | A   | B   |                 |                                  |   |                |                     | A                | A                         | A                        | A                         | A                        | A                         | A                         |  |                      | D                           | B                  |                           | A                                 | B                    |                  |                                  |                     |   | A |   |   |
| 630 Stainless steel      |                          |                    |                         |  |   |                | B              |                 |                 |   |   |                                   |   |   | B               |                                  |   |                |                     |                  | A                         | C                        | B                         | C                        | B                         | C                         |  |                      | D                           |                    |                           |                                   |                      |                  | B                                |                     |   |   |   |   |
| Carpenter 20®            |                          |                    |                         | B  | B   |                | A              | B               | A               |   |   |                                   | A   | A   |                 |                                  |   |                |                     |                  | B                         | A                        | A                         | A                        | B                         | B                         |  |                      | C                           | B                  |                           | A                                 | B                    |                  |                                  |                     |   | A |   |   |
| PTFE/PFA (Teflon®)       | A                        |                    |                         | A  | A   |                | A              | A               | A               |   |   |                                   | A   | A   |                 |                                  |   |                |                     | A                | A                         | A                        | A                         | A                        | A                         | A                         | A                                      |                      | A                           | A                  |                           |                                   |                      |                  | A                                |                     | A | A |   |   |
| Nylon                    |                          |                    |                         |  |   |                |                |                 | B               |   |   |                                   |   |   | C               |                                  |   |                |                     | B                | C                         | C                        | C                         | C                        | C                         | C                         |  |                      | B                           |                    |                           |                                   |                      |                  |                                  |                     |   | A |   |   |
| Polyethylen(PE)          |                          |                    |                         |  |   |                | B              | B               |                 |   |   |                                   |   |   | B               |                                  |   |                |                     | B                |                           |                          |                           |                          |                           |                           |  |                      |                             |                    |                           |                                   |                      |                  |                                  |                     |   |   |   |   |
| POM (Delrin®)            |                          |                    |                         | A  | A   |                | A              | A               | A               |   |   |                                   | A   | A   |                 |                                  |   |                |                     |                  | D                         | D                        | D                         | D                        | D                         | D                         |  |                      | D                           | A                  |                           |                                   |                      |                  | B                                |                     |   | A |   |   |
| PCTFE (Kel-F®)           |                          |                    |                         |  |   |                |                |                 | A               |   |   |                                   |   |   |                 |                                  |   |                |                     |                  | A                         | A                        | A                         | A                        | A                         | A                         |  |                      |                             |                    |                           |                                   |                      |                  |                                  |                     |   |   |   |   |
| PEEK                     |                          |                    |                         | A  | A   |                | A              | A               | A               |   |   |                                   | A   | A   |                 |                                  |   |                |                     |                  | A                         | A                        | A                         | A                        | A                         | A                         |  |                      | A                           | A                  |                           |                                   |                      |                  |                                  | A                   |   | A |   |   |
| PVDF                     |                          | A                  |                         | A  |   |                | A              | C               | A               |   | A   |                                   |   |   | A               | A                                |   |                |                     | C                |                           |                          |                           |                          |                           |                           |  |                      |                             |                    |                           |                                   |                      |                  |                                  |                     |   |   | C |   |
| UHMWPE                   | A                        |                    |                         |  |   |                | A              | A               | A               |   |   |                                   | A   | A   |                 |                                  |   |                |                     |                  | A                         | A                        | A                         | A                        | A                         | A                         |  |                      | A                           |                    |                           |                                   |                      |                  |                                  |                     |   |   |   |   |
| TPE                      | A                        |                    |                         |  |   |                | B              |                 |                 |   |   |                                   |   |   |                 |                                  |   |                |                     |                  |                           |                          |                           |                          |                           |                           |  |                      |                             |                    |                           |                                   |                      |                  |                                  |                     |   |   |   |   |
| Poly Acrylate            |                          |                    |                         |  |   |                |                |                 |                 |   |   |                                   |   |   |                 |                                  |   |                |                     |                  |                           |                          |                           |                          |                           |                           |  |                      |                             |                    |                           |                                   |                      |                  |                                  |                     |   |   |   |   |
| Poly Urethane            |                          |                    |                         |  |   |                |                |                 |                 |   |   |                                   |   |   |                 |                                  |   |                |                     |                  |                           |                          |                           |                          |                           |                           |  |                      |                             |                    |                           |                                   |                      |                  |                                  |                     |   |   |   |   |
| NBR                      | A                        |                    |                         | A  | A   |                | A              | A               | A               |   |   |                                   |   |   | A               |                                  |   |                |                     | B                | A                         | B                        | B                         | B                        | B                         | D                         | B                                      |                      | B                           |                    |                           |                                   |                      |                  |                                  | A                   |   | B |   |   |
| FPM (Viton®)             | A                        |                    |                         | A  |   |                | A              | A               | A               |   |   |                                   |   |   | A               |                                  |   |                |                     | C                | B                         | C                        | C                         | C                        | C                         | C                         | A                                      |                      | A                           |                    |                           |                                   |                      |                  |                                  |                     | A |   | B |   |
| Neoprene                 | A                        |                    |                         | A  |   |                | A              | A               | A               |   |   |                                   |   |   | A               |                                  |   |                |                     | B                | A                         | B                        | A                         | B                        | C                         | D                         |  | B                    |                             |                    |                           |                                   |                      |                  |                                  |                     | B |   | A |   |
| EPDM                     | A                        |                    |                         | B  |   |                | B              | B               | B               |   |   |                                   |   |   | B               |                                  |   |                |                     | A                | B                         | B                        | B                         |                          | B                         | B                         | B                                      |                      | A                           |                    |                           |                                   |                      |                  |                                  |                     |   | A |   |   |
| Kalrez®                  | A                        | A                  | A                       | A  | A   | A              | A              | A               | A               | A   | A   | A                                 | A   | A   | A               | A                                | A   | A              | A                   | A                | A                         | A                        | A                         | A                        |                           |                           | A                                      | A                    | A                           | A                  | A                         | A                                 | A                    | A                | A                                | A                   | A | A | A | A |
| Grafoil®                 |                          |                    |                         |  | A   |                | A              | B               | A               |   |   |                                   | A   | A   |                 |                                  |   |                |                     |                  | A                         | A                        | A                         | A                        | A                         | A                         |  |                      | A                           | A                  |                           |                                   |                      |                  |                                  |                     | A |   | A |   |
| Silicone                 | A                        |                    |                         |  |   |                | A              |                 |                 |   |   |                                   |   |   |                 |                                  |   |                |                     | B                |                           |                          |                           |                          |                           |                           |  |                      | B                           |                    |                           |                                   |                      |                  |                                  |                     |   |   |   |   |
| Fluorosilicone           | A                        |                    |                         |  |   |                | A              |                 |                 |   |   |                                   |   |   |                 |                                  |   |                |                     | B                |                           |                          |                           |                          |                           |                           |  |                      | B                           |                    |                           |                                   |                      |                  |                                  |                     |   |   | A |   |



| Fluid Name               | Sodium Trichloroacetate | Sodium Tripolyphosphate                        | SOLVASOL 1,2&3 | Sorbitol   | Sour Crude Oil | Sour Natural Gas | Soybean Oil | SR6 FUEL | Spirit | Standard Clean 1 (sc-1)              | Standard Clean 2 (sc-2)             | Stannic Chloride  | Stannous Bromide  | Stannous Chloride | Stannous Fluoride | Stannous Sulfate  | STAUFFER 7700 | Soy Bean Oil | Sperm Oil | Steam and Hot Water to Continuous 400° | Starch | Stram, max +180°C | Steam(212°F) | Steam <149°C/300°F | Steam >149°C/300°F | Stearic Acid  | Stoddard Solvent  | Strontium Acetate | Strontium Carbonate      | Strontium Chloride                      | Strontium Hydroxide                                   | Strontium Nitrate                                  | Strontium Monomer | Styrene | Sugar Liquide                           | Succinaldehyde   | Succinic Acid |   |   |   |   |   |   |   |   |  |
|--------------------------|-------------------------|--|----------------|--|----------------|------------------|-------------|----------|--------|--------------------------------------|-------------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|---------------|--------------|-----------|--|--------|-------------------|--------------|--------------------|--------------------|---|---|-------------------|--------------------------|---|---|--|-------------------|---------|---|--|---------------|---|---|---|---|---|---|---|---|--|
| Formula                  | CCl <sub>3</sub> COONa  | Na <sub>5</sub> P <sub>3</sub> O <sub>10</sub> |                | C <sub>6</sub> H <sub>14</sub> (OH) <sub>6</sub> |                |                  |             |          |        | NaOH : H <sub>2</sub> O <sub>2</sub> | HCl : H <sub>2</sub> O <sub>2</sub> | SnCl <sub>4</sub> | SnBr <sub>2</sub> | SnCl <sub>2</sub> | SnF <sub>2</sub>  | SnSO <sub>4</sub> |               |              |           |  |        |                   |              | H <sub>2</sub> O   | H <sub>2</sub> O   | CH <sub>3</sub> (CH <sub>2</sub> ) <sub>16</sub> COOH | Sr(C <sub>2</sub> H <sub>3</sub> O <sub>2</sub> ) <sub>2</sub> : 1/2HOH | SrCO <sub>3</sub> | SrCl : 6H <sub>2</sub> O | Sr(OH) <sub>2</sub> : 8H <sub>2</sub> O | Sr(NO <sub>3</sub> ) <sub>2</sub> : 4H <sub>2</sub> O | C <sub>6</sub> H <sub>5</sub> CH : CH <sub>2</sub> |                   |         | OHCCCH <sub>2</sub> CH <sub>2</sub> CHO | CO <sub>2</sub> H(CH <sub>2</sub> ) <sub>2</sub> CO <sub>2</sub> H |               |   |   |   |   |   |   |   |   |  |
| Aluminum                 |                         |  |                |  |                |                  | B           |          |        |                                      |                                     | D                 |                   |                   |                   |                   |               |              |           |  |        | B                 | B            |                    |                    |   |   |                   |                          |   |   |  |                   |         |   | A  | A             |   |   |   |   |   |   |   |   |  |
| Brass                    |                         |  |                |  |                |                  | B           |          |        |                                      |                                     | D                 |                   |                   |                   |                   |               |              |           |  |        |                   | B            | A                  |                    |   |   |                   |                          |   |   |  |                   |         |   |  |               | A | A |   |   |   |   |   |   |  |
| Carbon Steel             |                         |  |                |  |                |                  | C           | A        |        |                                      |                                     | D                 |                   |                   |                   |                   |               |              |           |  |        |                   | C            | A                  | A                  |   |   |                   |                          |   |   |  |                   |         |   |  |               | A | B |   |   |   |   |   |   |  |
| Alloy 600                |                         |  |                |  |                |                  |             |          |        |                                      |                                     | D                 |                   |                   |                   |                   |               |              |           |  |        |                   |              |                    | A                  |   |   |                   |                          |   |   |  |                   |         |   |  |               | B |   |   |   |   |   |   |   |  |
| Alloy 400/450(Monel®)    |                         |  |                |  |                |                  | A           |          |        |                                      |                                     | C                 |                   |                   |                   |                   |               |              |           |  |        |                   | A            | B                  |                    |   |   |                   |                          |   |   |  |                   |         |   |  | B             | A |   |   |   |   |   |   |   |  |
| Alloy 20                 |                         |  |                |  |                |                  | A           |          |        |                                      |                                     |                   |                   |                   |                   |                   |               |              |           |  |        |                   | A            | A                  |                    |   |   |                   |                          |   |   |  |                   |         |   |  |               | A | A |   |   |   |   |   |   |  |
| Alloy C 276 (Hastelloy®) |                         |  |                |  |                |                  |             |          |        |                                      |                                     | B                 | B                 |                   |                   |                   |               |              |           |  |        |                   |              | A                  |                    |   |   |                   |                          |   |   |  |                   |         |   |  |               | A | A |   |   |   |   |   |   |  |
| Titanium                 |                         |  |                |  |                |                  |             |          |        |                                      |                                     | B                 |                   |                   |                   |                   |               |              |           |  |        |                   |              |                    | A                  |   |   |                   |                          |   |   |  |                   |         |   |  |               | A |   |   |   |   |   |   |   |  |
| Cast Iron                |                         |  |                |  |                |                  | C           |          |        |                                      |                                     |                   |                   |                   |                   |                   |               |              |           |  |        |                   | C            | A                  |                    |   |   |                   |                          |   |   |  |                   |         |   |  |               | B | B |   |   |   |   |   |   |  |
| 316 Stainless Steel      |                         |  |                |  |                |                  | A           |          |        |                                      |                                     | D                 |                   |                   |                   |                   |               |              |           |  |        |                   | B            | A                  |                    |   |   |                   |                          |   |   |  |                   |         |   |  |               | A | A |   |   |   |   |   |   |  |
| 630 Stainless steel      |                         |  |                |  |                |                  |             |          |        |                                      |                                     |                   |                   |                   |                   |                   |               |              |           |  |        |                   |              |                    | A                  |   |   |                   |                          |   |   |  |                   |         |   |  |               |   |   |   |   |   |   |   |   |  |
| Carpenter 20®            |                         |  |                |  |                |                  | A           |          |        |                                      |                                     |                   |                   |                   |                   |                   |               |              |           |  |        |                   | A            | A                  |                    |   |   |                   |                          |   |   |  |                   |         |   |  |               |   | A | A |   |   |   |   |   |  |
| PTFE/PFA (Teflon®)       | A                       | D  |                |  |                |                  | A           | A        | A      |                                      |                                     | A                 | A                 |                   |                   | C                 |               |              |           |  |        |                   | A            | A                  | A                  | B   | C   | A                 | B                        |   |   |  |                   |         |   | D  | A             | A |   |   |   |   |   |   |   |  |
| Nylon                    |                         |  |                |  |                |                  |             |          |        |                                      |                                     |                   |                   |                   |                   |                   |               |              |           |  |        |                   |              |                    |                    |   |   |                   |                          |   |   |  |                   |         |   |  |               |   | A | A |   |   |   |   |   |  |
| Polyethylen(PE)          |                         |  |                |  |                |                  |             |          |        |                                      |                                     |                   |                   |                   |                   |                   |               |              |           |  |        |                   |              |                    |                    |   |   |                   |                          |   |   |  |                   |         |   |  |               |   |   |   |   |   |   |   |   |  |
| POM (Delrin®)            |                         |  |                |  |                |                  | B           | C        |        |                                      |                                     | A                 |                   |                   |                   |                   |               |              |           |  |        |                   | A            | C                  | D                  |   |   |                   |                          |   |   |  |                   |         |   |  |               |   | A | A |   |   |   |   |   |  |
| PCTFE (Kel-F®)           |                         |  |                |  |                |                  |             |          |        |                                      |                                     |                   |                   |                   |                   |                   |               |              |           |  |        |                   |              |                    |                    |   |   |                   |                          |   |   |  |                   |         |   |  |               |   |   |   |   |   |   |   |   |  |
| PEEK                     |                         |  |                |  |                |                  | A           |          |        |                                      |                                     |                   |                   |                   |                   |                   |               |              |           |  |        |                   | A            | A                  |                    |   |   |                   |                          |   |   |  |                   |         |   |  |               |   |   | A | A |   |   |   |   |  |
| PVDF                     |                         |  |                |  |                |                  |             |          |        |                                      |                                     |                   |                   |                   |                   |                   |               |              |           |  |        |                   |              |                    |                    |   |   |                   |                          |   |   |  |                   |         |   |  |               |   |   | C |   | A |   |   |   |  |
| UHMWPE                   |                         |  |                |  |                |                  | A           |          |        |                                      |                                     | A                 | B                 |                   |                   |                   |               |              |           |  |        |                   | B            | A                  |                    |   |   |                   |                          |   |   |  |                   |         |   |  |               |   |   | A |   |   |   |   |   |  |
| TPE                      |                         |  |                |  |                |                  |             |          |        |                                      |                                     |                   | C                 |                   |                   |                   |               |              |           |  |        |                   |              |                    |                    |   |   |                   |                          |   |   |  |                   |         |   |  |               |   |   |   |   |   |   |   |   |  |
| Poly Acrylate            |                         |  |                |  |                |                  |             |          |        |                                      |                                     |                   |                   |                   |                   |                   |               |              |           |  |        |                   |              |                    |                    |   |   |                   |                          |   |   |  |                   |         |   |  |               |   |   |   | A | A |   |   |   |  |
| Poly Urethane            |                         |  |                |  |                |                  |             |          |        |                                      |                                     |                   |                   |                   |                   |                   |               |              |           |  |        |                   |              |                    |                    |   |   |                   |                          |   |   |  |                   |         |   |  |               |   |   |   |   | D | D |   |   |  |
| NBR                      | D                       | A  |                | C  | C              | A                | B           | C        |        |                                      |                                     | A                 | A                 |                   |                   | B                 | A             | A            | D         | A                                      | C      | D                 | D            | D                  | D                  | B   | A   |                   |                          |   |   |  |                   |         |   |  |               |   | D | D | A |   |   |   |   |  |
| FPM (Viton®)             | B                       | A  |                | A  | A              | A                | A           | C        |        |                                      |                                     | A                 | A                 |                   |                   | A                 | A             | A            | D         | A                                      | C      | C                 | B            | D                  | A                  | A   |   |                   |                          |   |   |  |                   |         |   |  |               |   |   | A | B | A |   |   |   |  |
| Neoprene                 |                         |  |                |  |                |                  | C           |          |        |                                      |                                     | D                 |                   |                   |                   |                   |               |              |           |  |        |                   |              |                    |                    |   |   |                   |                          |   |   |  |                   |         |   |  |               |   |   |   |   | D | B |   |   |  |
| EPDM                     | A                       | D  |                | D  | D              | C                | D           | C        |        |                                      |                                     | A                 | A                 |                   |                   | D                 | C             | D            | A         | C                                      | A      | B                 | A            | D                  | B                  | D   |   |                   |                          |   |   |  |                   |         |   |  |               |   |   | D | D | B |   |   |   |  |
| Kalrez®                  | A                       | A  | A              | A  | A              | A                | A           | A        | A      | A                                    | A                                   | A                 | A                 | A                 | A                 | A                 | A             | A            | A         | A                                      | A      | A                 | A            | A                  | A                  | B   | A   | A                 | A                        | A                                       | A   | A  | A                 | A       | A                                       | A  | A             | A | A | A | A | A | A |   |   |  |
| Grafoil®                 |                         |  |                |  |                |                  | A           |          |        |                                      |                                     |                   |                   |                   |                   |                   |               |              |           |  |        |                   | A            | A                  |                    |   |   |                   |                          |   |   |  |                   |         |   |  |               |   |   |   | A | A |   |   |   |  |
| Silicone                 |                         |  |                |  |                |                  | D           | D        | A      | D                                    |                                     | D                 | B                 | B                 |                   | D                 | A             | D            | D         |  |        |                   |              |                    |                    |   | C   | D                 | B                        | D                                       |   |  |                   |         |   |  |               |   |   |   |   | D | D | A |   |  |
| Fluorosilicone           |                         |  |                |  |                |                  | D           | D        | A      | A                                    |                                     | D                 | A                 | A                 |                   | B                 | A             | A            | D         |  |        |                   |              |                    |                    |   |   |                   |                          |   |   |  |                   |         |   |  |               |   |   |   |   |   | C | C | A |  |

| Fluid Name               | Succinic Solution                               | Sulfamic Acid                                   | Sulfamic Acid   | Sulfite Liquors                                 | Sulfolane | Sulfur, Molten                 | Sulfur, Chloride | Sulfur, Dioxide | Sulfur, Hexafluoride | Sulfur, Tetrafluoride | Sulfur, Trioxide, Dry | Sugar - beet juice | Sugar, Syrups&Jam | Sulfate Liquors | Sulfate, Black Liquor | Sulfate, Green Liquor | Sulfate, White Liquor | Sulphur | Sulphur Chloride | Sulphur Dioxide | Sulphur Dioxide - Dry | Sulphur Dioxide - Wet | Sulphur Molten | Sulphur Trioxide | Sulphuric Acid 0 - 7% | Sulphuric Acid 20% | Sulphuric Acid 50% | Sulphuric Acid 100% | Sulphuric Acid                 | Sulfur | Sulfur Chlorides | Sulfur, Dioxide Gaseous | Sulfur Dioxide Liquid | Sulfur Dioxide, dry | Sulfur Dioxide, wet | Sulfur Hexafluoride | Sulfur Molten |   |   |  |  |
|--------------------------|---|---|---|---|-----------|--------------------------------|------------------|-----------------|----------------------|-----------------------|-----------------------|--------------------|-------------------|-----------------|-----------------------|-----------------------|-----------------------|---------|------------------|-----------------|-----------------------|-----------------------|----------------|------------------|-----------------------|--------------------|--------------------|---------------------|--------------------------------|--------|------------------|-------------------------|-----------------------|---------------------|---------------------|---------------------|---------------|---|---|--|--|
| Formula                  | C <sub>12</sub> H <sub>22</sub> O <sub>11</sub> | HO <sub>2</sub> SO <sub>2</sub> NH <sub>2</sub> | H <sub>2</sub> NC <sub>6</sub> H <sub>4</sub> SO <sub>3</sub> H : HOH | (CH <sub>2</sub> ) <sub>4</sub> SO <sub>2</sub> | S         | S <sub>2</sub> Cl <sub>2</sub> | SO <sub>2</sub>  | SF <sub>6</sub> | SF <sub>4</sub>      | SO <sub>3</sub>       |                       |                    |                   |                 |                       |                       |                       | S       | SCl <sub>2</sub> | SO <sub>2</sub> |                       |                       |                | SO <sub>3</sub>  |                       |                    |                    |                     | H <sub>2</sub> SO <sub>4</sub> |        |                  |                         |                       |                     |                     |                     |               |   |   |  |  |
| Aluminum                 |   |   |   |   |           |                                |                  |                 |                      |                       |                       | B                  |                   |                 | C                     | D                     | B                     | A       | D                |                 | A                     | D                     | A              | B                | A                     | D                  | D                  | D                   | B                              | A      | D                |                         |                       |                     | A                   | C                   | A             | A |   |  |  |
| Brass                    |   |   |   |   |           |                                |                  |                 |                      |                       |                       | B                  |                   |                 | C                     | C                     | C                     | D       | D                |                 | C                     | D                     | D              | B                | C                     | C                  | C                  | C                   | D                              | D      | B                |                         |                       |                     | B                   | D                   | B             | D |   |  |  |
| Carbon Steel             |   |   |   |   |           |                                |                  |                 |                      |                       | B                     |                    |                   |                 | B                     | B                     | C                     | B       | D                |                 | B                     | D                     | B              | B                | D                     | D                  | D                  | B                   | D                              | C      | D                |                         |                       |                     | B                   |                     |               | C |   |  |  |
| Alloy 600                |   |   |   |   |           |                                |                  |                 |                      |                       |                       |                    |                   |                 | B                     | B                     | C                     | A       | C                |                 | B                     | D                     | A              | B                | B                     | D                  | D                  | D                   | D                              |        |                  |                         |                       |                     |                     |                     |               |   |   |  |  |
| Alloy 400/450(Monel®)    |   |   |   |   |           |                                |                  |                 |                      |                       |                       |                    |                   |                 | B                     | B                     | C                     | A       | C                |                 | B                     | D                     | A              | B                | A                     | A                  | D                  | D                   | D                              | B      | B                |                         |                       |                     | B                   | A                   |               | D |   |  |  |
| Alloy 20                 |   |   |   |   |           |                                |                  |                 |                      |                       |                       | A                  |                   |                 | B                     | B                     | D                     |         |                  |                 |                       |                       |                |                  |                       |                    |                    |                     |                                | A      | A                |                         |                       |                     |                     | B                   | B             | A | A |  |  |
| Alloy C 276 (Hastelloy®) |   |   |   |   |           |                                |                  |                 |                      |                       |                       |                    | B                 | A               | B                     |                       |                       | B       | A                | C               | D                     | A                     |                | B                |                       |                    |                    |                     | B                              |        |                  |                         |                       | A                   | B                   |                     | B             |   |   |  |  |
| Titanium                 |   |   |   |   |           |                                |                  |                 |                      |                       |                       |                    |                   |                 |                       |                       |                       | A       |                  |                 |                       |                       |                |                  | B                     | C                  | D                  | D                   | A                              |        |                  |                         |                       |                     |                     |                     |               |   |   |  |  |
| Cast Iron                |   |   |   |   |           |                                |                  |                 |                      |                       |                       | C                  |                   |                 | C                     | C                     | C                     |         |                  |                 |                       |                       |                |                  |                       |                    |                    |                     |                                | C      | D                |                         |                       |                     |                     | B                   |               |   | B |  |  |
| 316 Stainless Steel      |   |   |   |   |           |                                |                  |                 |                      |                       |                       |                    |                   |                 | B                     | B                     | B                     | A       | C                |                 | A                     | A                     | A              | B                | B                     | D                  | D                  | A                   | B                              | B      | D                |                         |                       |                     | A                   | A                   | A             | B |   |  |  |
| 630 Stainless steel      |   |   |   |   |           |                                |                  |                 |                      |                       |                       | A                  |                   |                 | A                     | A                     | B                     |         |                  |                 |                       |                       |                |                  |                       |                    |                    |                     |                                |        |                  |                         |                       |                     |                     | A                   | C             |   |   |  |  |
| Carpenter 20®            |   |   |   |   |           |                                |                  |                 |                      |                       |                       | A                  |                   |                 | B                     | B                     | D                     |         |                  |                 |                       |                       |                |                  |                       |                    |                    |                     |                                | A      | A                |                         |                       |                     |                     | B                   | B             | A | A |  |  |
| PTFE/PFA (Teflon®)       |   |   |   | A   | A         | A                              | B                | C               |                      | B                     | A                     | A                  | A                 | A               | A                     | A                     | A                     | A       | A                | A               | A                     | A                     | A              | A                | A                     | A                  | A                  | A                   | A                              | A      | A                | A                       | A                     | A                   | A                   | A                   | A             | A | A |  |  |
| Nylon                    |   |   |   |   |           |                                |                  |                 |                      |                       |                       |                    |                   |                 |                       |                       |                       |         |                  |                 |                       | D                     | D              | D                |                       |                    |                    |                     |                                | C      |                  |                         |                       |                     |                     | A                   |               |   |   |  |  |
| Polyethylen(PE)          |   |   |   |   |           |                                |                  |                 |                      |                       |                       |                    |                   |                 |                       |                       |                       |         |                  |                 |                       |                       |                | D                |                       |                    |                    |                     |                                |        |                  |                         |                       |                     |                     |                     |               |   |   |  |  |
| POM (Delrin®)            |   |   |   |   |           |                                |                  |                 |                      |                       | A                     | A                  |                   |                 | C                     | A                     | D                     |         |                  |                 | A                     | A                     |                |                  | C                     | A                  | D                  | D                   | C                              | A      | A                |                         |                       |                     | A                   | D                   | A             | D |   |  |  |
| PCTFE (Kel-F®)           |   |   |   |   |           |                                |                  |                 |                      |                       |                       |                    |                   |                 |                       |                       |                       |         |                  |                 |                       |                       |                |                  |                       |                    |                    |                     |                                |        |                  |                         |                       |                     |                     |                     |               |   |   |  |  |
| PEEK                     |   |   |   |   |           |                                |                  |                 |                      |                       |                       | A                  |                   |                 | A                     | A                     | A                     |         |                  |                 |                       |                       |                |                  |                       |                    |                    |                     |                                | A      | A                |                         |                       |                     |                     | A                   | A             | A | A |  |  |
| PVDF                     |   |   |   |   |           |                                |                  |                 |                      |                       |                       |                    |                   |                 |                       |                       |                       |         |                  |                 |                       |                       |                |                  |                       |                    |                    |                     |                                |        |                  |                         |                       |                     |                     |                     |               |   |   |  |  |
| UHMWPE                   |   |   |   |   |           |                                |                  |                 |                      |                       |                       | A                  | A                 |                 |                       |                       |                       |         |                  | C               | B                     | A                     |                |                  |                       |                    |                    |                     |                                | A      |                  |                         |                       |                     |                     | A                   | A             | B |   |  |  |
| TPE                      |   |   |   |   |           |                                |                  |                 |                      |                       |                       |                    |                   |                 |                       |                       |                       |         |                  |                 | C                     | C                     |                |                  |                       |                    |                    |                     |                                |        |                  |                         |                       |                     |                     |                     |               |   |   |  |  |
| Poly Acrylate            |   |   |   |   |           |                                |                  |                 |                      |                       |                       |                    |                   |                 |                       |                       |                       |         |                  |                 |                       |                       |                |                  |                       |                    |                    |                     |                                |        | D                | D                       | D                     | D                   |                     |                     |               |   | D |  |  |
| Poly Urethane            |   |   |   |   |           |                                |                  |                 |                      |                       |                       |                    |                   |                 |                       |                       |                       |         |                  |                 |                       |                       |                |                  |                       |                    |                    |                     |                                |        |                  |                         |                       |                     |                     |                     |               |   |   |  |  |
| NBR                      | A   |   |   | B   | B         | D                              | D                | D               | B                    |                       | D                     | A                  |                   | B               | C                     | C                     | C                     | D       | D                | D               | D                     |                       | C              |                  | B                     | C                  | C                  | D                   | C                              | D      | D                | D                       | D                     | D                   | D                   | D                   | D             | B | D |  |  |
| FPM (Viton®)             | A   |   |   | A   | B         | A                              | A                | C               | C                    |                       | A                     | C                  |                   | A               | C                     | C                     | C                     |         | A                | A               | A                     |                       |                |                  | A                     | A                  | A                  | B                   | A                              | A      | A                | D                       | D                     | D                   | D                   | D                   | D             | A | B |  |  |
| Neoprene                 |   |   |   |   |           |                                |                  |                 |                      |                       |                       |                    | B                 | B               | B                     | B                     | B                     |         |                  |                 |                       |                       |                |                  |                       | A                  | B                  | C                   | D                              | C      | A                | D                       | D                     | D                   | D                   | D                   | B             | B | C |  |  |
| EPDM                     | A   |   |   | B   | A         | C                              | D                | A               | A                    |                       | B                     |                    |                   | A               | B                     |                       |                       |         |                  |                 |                       |                       |                |                  |                       |                    |                    |                     |                                | B      | C                | A                       | A                     | A                   | A                   | B                   |               |   | B |  |  |
| Kalrez®                  | A   | A   | A   | A   | A         | A                              | A                | A               | B                    | B                     | A                     |                    |                   |                 | A                     | A                     | A                     |         |                  |                 |                       |                       |                |                  |                       |                    |                    |                     |                                | A      | A                |                         |                       |                     |                     | A                   | A             | C | A |  |  |
| Grafoil®                 |   |   |   |   |           |                                |                  |                 |                      |                       |                       |                    | A                 |                 | A                     | A                     | A                     |         |                  |                 |                       |                       |                |                  |                       |                    |                    |                     |                                | A      | A                |                         |                       |                     |                     | A                   | A             | A | D |  |  |
| Silicone                 | A   |   |   | D   |           | C                              | C                | B               | B                    |                       | B                     |                    |                   | D               |                       |                       |                       |         |                  |                 |                       |                       |                |                  |                       |                    |                    |                     |                                |        |                  |                         |                       |                     | C                   | B                   | B             |   | B |  |  |
| Fluorosilicone           | A   |   |   | B   |           | A                              | A                | B               | B                    |                       | B                     |                    |                   | B               |                       |                       |                       |         |                  |                 |                       |                       |                |                  |                       |                    |                    |                     |                                | A      | A                | B                       | B                     |                     |                     |                     |               | B |   |  |  |

| Fluid Name               | Sulfur Trioxide      |                    |                         |                          |                                |                          |                          |                          |                         |                                |               |                        |                    |               |                     |                        |   |   |
|--------------------------|----------------------|--------------------|-------------------------|--------------------------|--------------------------------|--------------------------|--------------------------|--------------------------|-------------------------|--------------------------------|---------------|------------------------|--------------------|---------------|---------------------|------------------------|---|---|
|                          | Sulfur Trioxide, dry | Sulfuric acid(10%) | Sulfuric acid(10 - 75%) | Sulfuric acid(20% Oleum) | Sulfuric acid(96%)             | Sulfuric Acid (0 to 50%) | Sulfuric acid(75 - 100%) | Sulfuric acid(cold cone) | Sulfuric acid(hot cone) | Sulfuric Acid (Concentrated)   |               |                        |                    |               |                     |                        |   |   |
| Formula                  |                      |                    |                         |                          | H <sub>2</sub> SO <sub>4</sub> |                          |                          |                          |                         | H <sub>2</sub> SO <sub>4</sub> | Sulphite Pulp | Sulfuric Acid 0 to 77% | Sulfuric Acid 100% | SUNOCO SAE 10 | SUPERSHELL Gasoline | SWANFINCH EP Lubricant |   |   |
| Aluminum                 | A                    |                    |                         |                          |                                |                          |                          |                          |                         | C                              | C             | D                      |                    |               |                     |                        |   |   |
| Brass                    | B                    | B                  |                         |                          |                                |                          |                          |                          |                         | D                              | C             | C                      |                    |               |                     |                        |   |   |
| Carbon Steel             | B                    | B                  |                         |                          |                                |                          |                          |                          |                         | D                              | D             | C                      |                    |               |                     |                        |   |   |
| Alloy 600                |                      |                    |                         |                          |                                |                          |                          |                          |                         |                                |               |                        |                    |               |                     |                        |   |   |
| Alloy 400/450(Monel®)    |                      | B                  |                         |                          |                                |                          |                          |                          |                         | D                              | B             | D                      |                    |               |                     |                        |   |   |
| Alloy 20                 | B                    | B                  |                         |                          |                                |                          |                          |                          |                         | B                              | B             | A                      |                    |               |                     |                        |   |   |
| Alloy C 276 (Hastelloy®) | B                    | B                  | B                       | B                        | B                              |                          |                          | A                        | D                       | B                              |               |                        |                    |               |                     |                        |   |   |
| Titanium                 |                      |                    |                         |                          |                                |                          |                          |                          |                         |                                |               |                        |                    |               |                     |                        |   |   |
| Cast Iron                | B                    | B                  |                         |                          |                                |                          |                          |                          |                         | D                              | D             | B                      |                    |               |                     |                        |   |   |
| 316 Stainless Steel      | B                    | B                  |                         |                          |                                |                          |                          |                          |                         | B                              | C             | A                      |                    |               |                     |                        |   |   |
| 630 Stainless steel      | B                    | B                  |                         |                          |                                |                          |                          |                          |                         |                                |               | B                      |                    |               |                     |                        |   |   |
| Carpenter 20®            | B                    | B                  |                         |                          |                                |                          |                          |                          |                         | B                              | B             | A                      |                    |               |                     |                        |   |   |
| PTFE/PFA (Teflon®)       | A                    | A                  | A                       | A                        | D                              |                          | A                        | A                        | A                       | A                              | A             | A                      | A                  | C             | B                   |                        |   |   |
| Nylon                    |                      | A                  |                         |                          |                                |                          |                          |                          |                         | D                              | D             | D                      |                    |               |                     |                        |   |   |
| Polyethylen(PE)          |                      |                    |                         |                          |                                |                          |                          |                          |                         |                                |               |                        |                    |               |                     |                        |   |   |
| POM (Delrin®)            | D                    | A                  |                         |                          |                                |                          |                          |                          |                         | C                              | D             | D                      |                    |               |                     |                        |   |   |
| PCTFE (Kel-F®)           |                      |                    |                         |                          |                                |                          |                          |                          |                         |                                |               | A                      | A                  |               |                     |                        |   |   |
| PEEK                     | A                    | A                  |                         |                          |                                |                          |                          |                          |                         | A                              | A             | A                      |                    |               |                     |                        |   |   |
| PVDF                     |                      |                    |                         |                          |                                |                          |                          |                          |                         |                                |               |                        |                    |               |                     |                        |   |   |
| UHMWPE                   |                      | C                  | A                       | A                        |                                |                          | B                        | C                        | D                       | B                              | B             | D                      |                    |               |                     |                        |   |   |
| TPE                      |                      |                    | A                       |                          |                                |                          | C                        | B                        |                         |                                |               |                        |                    |               |                     |                        |   |   |
| Poly Acrylate            | D                    |                    |                         |                          |                                | D                        |                          |                          |                         | D                              | D             |                        |                    |               |                     |                        |   |   |
| Poly Urethane            |                      |                    |                         |                          |                                |                          | C                        |                          |                         | D                              |               |                        |                    |               |                     |                        |   |   |
| NBR                      | D                    | D                  | A                       | B                        | B                              | D                        | D                        | C                        | D                       | D                              | D             | B                      | B                  | B             | D                   | A                      | A | A |
| FPM (Viton®)             | B                    | A                  | A                       | A                        | A                              | A                        | A                        | A                        | B                       | A                              | A             | C                      | A                  | A             | B                   | A                      | A | A |
| Neoprene                 | D                    | D                  |                         |                          |                                |                          |                          | C                        |                         |                                |               | D                      | B                  | B             | B                   | D                      |   |   |
| EPDM                     |                      | B                  |                         |                          | A                              | D                        | A                        |                          |                         |                                | C             | B                      | B                  |               | C                   | D                      | D | D |
| Kalrez®                  | A                    | A                  |                         |                          | A                              | A                        |                          |                          |                         |                                |               | A                      |                    | A             | A                   | A                      | A | A |
| Grafoil®                 | D                    | D                  |                         |                          |                                |                          |                          |                          |                         |                                |               | A                      |                    | A             | D                   |                        |   |   |
| Silicone                 | B                    |                    |                         |                          | A                              | D                        | D                        |                          |                         |                                | D             | D                      | D                  |               | D                   | D                      | D |   |
| Fluorosilicone           | B                    |                    |                         |                          | A                              | D                        | C                        |                          |                         |                                |               | B                      |                    |               | A                   | B                      | A |   |

# [ Fluid Compatibility Guide - T ]

| Fluid Name               | Tallow | Tallow - Hot | Tall Oil | Tannic Acid    | Tanning Liquors (Vegetable) | Tar&Tar Oils | Tar, Hot | Tar and oreosote | Tannic Acid(Tannin) | Tannic Acid | Tannic Acid(Weak) | Tanning Liquors | Tartaric Acid      | TEOS(Tetraethylorthosilicate) | Terephthalic Acid | Terpineol             | Terpiny Acetate | Tetrabromomethane | Tetrabutyl Titanate | Terpentine | Tetrachloroethane | Tetrachloroethylene | Tetraethyl Lead | Tetrafluoroethane(FC 134a) | Tetrafluoromethane(FC 14) | Tetrahydrofuran(THF) | TETRALIN(Tetrahydronaphthalene) | Tetramethyl ammonium hydroxide | TEXACO 3450 GEAR OIL | TEXACO UNI - TEMP GREASE | TEXAMATIC 3525 Fluid | THERMINOL 55 | Thioglycolic Acid | THIOL TP - 90B | THIOL TP - 95 | Thionyl Chloride | Thiophene |   |   |   |   |  |  |
|--------------------------|--------|--------------|----------|----------------|-----------------------------|--------------|----------|------------------|---------------------|-------------|-------------------|-----------------|--------------------|-------------------------------|-------------------|-----------------------|-----------------|-------------------|---------------------|------------|-------------------|---------------------|-----------------|----------------------------|---------------------------|----------------------|---------------------------------|--------------------------------|----------------------|--------------------------|----------------------|--------------|-------------------|----------------|---------------|------------------|-----------|---|---|---|---|--|--|
| Formula                  |        |              |          | $C_7H_{12}O_4$ |                             |              |          |                  |                     |             |                   |                 | $HOOC(CHOH)_2COOH$ | $(C_2H_5)_4SiO_4$             | $C_6H_4(COOH)_2$  | $C_{10}H_{17}OOCCH_3$ |                 |                   | $Ti(OC_4H_9)_4$     |            | $(CHC_2)_2I$      | $Cl_2C : CCl_2$     | $Pb(C_2H_5)_4$  | $CF_3CH_2F$                | $CF_4$                    | $CH_2CH_2CH_2CH_2O$  | $C_{10}H_{12}$                  | $(CH_3)_4NOH$                  |                      |                          |                      |              | $HSCH_2COOH$      |                |               | $SOCl_2$         |           |   |   |   |   |  |  |
| Aluminum                 |        |              | C        | B              | A                           | A            | C        |                  |                     | A           | B                 |                 |                    |                               |                   |                       |                 |                   |                     | B          |                   | B                   |                 |                            |                           |                      |                                 |                                |                      |                          |                      |              |                   |                |               |                  |           |   |   |   |   |  |  |
| Brass                    |        |              | B        | B              | A                           | A            | B        |                  |                     |             |                   | D               |                    |                               |                   |                       |                 |                   |                     |            | B                 |                     | B               |                            |                           |                      |                                 |                                |                      |                          |                      |              |                   |                |               |                  |           |   |   |   |   |  |  |
| Carbon Steel             |        |              | B        | C              | A                           | A            | C        |                  | C                   |             | D                 |                 |                    |                               |                   |                       |                 |                   |                     | C          |                   | A                   | C               |                            |                           |                      |                                 |                                |                      |                          |                      |              |                   |                |               |                  |           |   |   |   |   |  |  |
| Alloy 600                |        |              |          |                |                             |              |          | A                |                     |             | A                 |                 |                    |                               |                   |                       |                 |                   |                     |            |                   |                     |                 |                            |                           |                      |                                 |                                |                      |                          |                      |              |                   |                |               |                  |           |   |   |   |   |  |  |
| Alloy 400/450(Monel®)    |        |              | B        |                | A                           |              |          | B                |                     |             | B                 |                 |                    |                               |                   |                       |                 |                   |                     |            |                   |                     | A               |                            |                           |                      |                                 |                                |                      |                          |                      |              |                   |                |               |                  |           |   |   |   |   |  |  |
| Alloy 20                 |        |              | B        |                | A                           |              |          | B                |                     |             | B                 | A               |                    |                               |                   |                       |                 |                   |                     |            |                   |                     | B               |                            |                           |                      |                                 |                                |                      |                          |                      |              |                   |                |               |                  |           |   |   |   |   |  |  |
| Alloy C 276 (Hastelloy®) |        |              | A        | B              | B                           |              |          | B                | B                   |             | A                 |                 |                    |                               |                   |                       |                 |                   |                     |            |                   | A                   |                 |                            |                           |                      |                                 |                                |                      |                          |                      |              |                   |                |               |                  |           |   |   |   |   |  |  |
| Titanium                 |        |              |          |                |                             |              |          | A                |                     |             | B                 |                 |                    |                               |                   |                       |                 |                   |                     |            |                   |                     |                 |                            |                           |                      |                                 |                                |                      |                          |                      |              |                   |                |               |                  |           |   |   |   |   |  |  |
| Cast Iron                |        |              | B        |                | A                           |              |          | C                |                     |             | D                 |                 |                    |                               |                   |                       |                 |                   |                     |            |                   |                     | C               |                            |                           |                      |                                 |                                |                      |                          |                      |              |                   |                |               |                  |           |   |   |   |   |  |  |
| 316 Stainless Steel      |        |              | B        | A              | A                           |              |          | A                | B                   |             | B                 | A               |                    |                               |                   |                       |                 |                   |                     |            | B                 |                     | B               |                            |                           |                      |                                 |                                |                      |                          |                      |              |                   |                |               |                  |           |   |   |   |   |  |  |
| 630 Stainless steel      |        |              |          |                | A                           |              |          | B                |                     |             | A                 |                 |                    |                               |                   |                       |                 |                   |                     |            |                   |                     |                 |                            |                           |                      |                                 |                                |                      |                          |                      |              |                   |                |               |                  |           |   |   |   |   |  |  |
| Carpenter 20®            |        |              | B        |                | A                           |              |          | B                |                     |             | B                 | A               |                    |                               |                   |                       |                 |                   |                     |            |                   |                     | B               |                            |                           |                      |                                 |                                |                      |                          |                      |              |                   |                |               |                  |           |   |   |   |   |  |  |
| PTFE/PFA (Teflon®)       | A      |              | A        | A              | A                           | A            |          | A                | A                   | A           | A                 |                 |                    |                               | A                 |                       | C               | A                 | A                   | D          | D                 | A                   |                 |                            |                           | D                    | D                               |                                | A                    | A                        | A                    |              |                   |                |               | A                | A         |   |   |   |   |  |  |
| Nylon                    |        |              | D        |                |                             |              |          | A                |                     |             |                   |                 |                    |                               |                   |                       |                 |                   |                     |            |                   |                     |                 |                            |                           |                      |                                 |                                |                      |                          |                      |              |                   |                |               |                  |           |   |   |   |   |  |  |
| Polyethylen(PE)          |        |              |          |                |                             |              |          | B                |                     |             | D                 |                 |                    |                               |                   |                       |                 |                   |                     |            |                   |                     |                 |                            |                           |                      |                                 |                                |                      |                          |                      |              |                   |                |               |                  |           |   |   |   |   |  |  |
| POM (Delrin®)            |        |              | A        | A              | A                           |              |          | C                | A                   |             | A                 | D               | A                  |                               |                   |                       |                 |                   |                     |            | A                 |                     | C               | A                          |                           |                      |                                 |                                |                      |                          |                      |              |                   |                |               |                  |           |   |   |   |   |  |  |
| PCTFE (Kel-F®)           |        |              |          |                |                             |              |          |                  |                     |             |                   |                 |                    |                               |                   |                       |                 |                   |                     |            |                   |                     |                 |                            |                           |                      |                                 |                                |                      |                          |                      |              |                   |                |               |                  |           |   |   |   |   |  |  |
| PEEK                     |        |              | A        |                | A                           |              |          | A                |                     |             | A                 | A               |                    |                               |                   |                       |                 |                   |                     |            |                   |                     | A               |                            |                           |                      |                                 |                                |                      |                          |                      |              |                   |                |               |                  |           |   |   |   |   |  |  |
| PVDF                     | A      |              |          | A              | A                           |              |          |                  |                     |             | A                 |                 |                    |                               |                   |                       |                 |                   |                     |            |                   | B                   |                 |                            |                           |                      | C                               |                                | B                    |                          |                      |              |                   |                |               | A                |           |   |   |   | C |  |  |
| UHMWPE                   | C      |              |          | B              | A                           |              |          | A                | A                   |             | A                 |                 |                    |                               |                   |                       |                 |                   |                     |            |                   |                     | B               |                            |                           |                      |                                 |                                |                      |                          |                      |              |                   |                |               |                  |           |   |   |   |   |  |  |
| TPE                      |        |              |          | A              |                             |              |          |                  |                     | C           |                   |                 |                    |                               |                   |                       |                 |                   |                     |            |                   |                     |                 |                            |                           |                      |                                 |                                |                      |                          |                      |              |                   |                |               |                  |           |   |   |   |   |  |  |
| Poly Acrylate            |        |              | A        | A              | D                           | D            |          | D                |                     |             |                   |                 |                    |                               |                   |                       |                 |                   |                     |            |                   | D                   | D               |                            |                           |                      |                                 |                                |                      |                          |                      |              |                   |                |               |                  |           |   |   |   |   |  |  |
| Poly Urethane            |        |              | A        | A              |                             |              |          |                  |                     |             |                   |                 |                    |                               |                   |                       |                 |                   |                     |            |                   |                     | D               | D                          |                           |                      |                                 |                                |                      |                          |                      |              |                   |                |               |                  |           |   |   |   |   |  |  |
| NBR                      | A      | A            | B        | A              | B                           | C            | B        | B                | B                   | A           | A                 | B               | C                  | A                             |                   | B                     |                 | D                 | B                   | B          | D                 | D                   | B               |                            | A                         | D                    | D                               |                                | A                    | A                        | A                    | B            |                   |                |               | D                | D         | D |   |   |   |  |  |
| FPM (Viton®)             | A      | A            | A        | A              | A                           | C            | A        | B                | A                   | A           | A                 |                 | A                  | A                             |                   | A                     |                 | A                 | A                   | A          | A                 | A                   | A               |                            | A                         | D                    | A                               |                                | A                    | A                        | A                    | A            |                   |                |               | A                | A         | B |   |   |   |  |  |
| Neoprene                 |        |              | C        | D              | B                           | B            | C        | C                |                     | B           |                   | D               | B                  |                               |                   |                       |                 |                   |                     |            |                   |                     | D               | D                          | B                         |                      |                                 |                                |                      |                          |                      |              |                   |                |               |                  |           |   |   |   |   |  |  |
| EPDM                     |        |              | D        | D              | A                           | A            | D        | D                | D                   | B           |                   |                 | B                  | A                             |                   | C                     |                 | D                 | A                   | D          | D                 | D                   | D               |                            | A                         | C                    | D                               |                                | D                    | D                        | D                    | D            |                   |                |               |                  | A         | A | C |   |   |  |  |
| Kalrez®                  | A      |              |          | A              | A                           |              |          |                  |                     |             |                   |                 | A                  | A                             | A                 | A                     | A               | A                 | A                   |            | A                 | A                   | A               | A                          | A                         | A                    | A                               | A                              | A                    | A                        | A                    | A            | A                 | A              | A             | A                | A         | A | A | A | A |  |  |
| Grafoil®                 |        |              |          | A              |                             |              |          | A                |                     |             |                   |                 | A                  |                               |                   |                       |                 |                   |                     |            |                   |                     | A               |                            |                           |                      |                                 |                                |                      |                          |                      |              |                   |                |               |                  |           |   |   |   |   |  |  |
| Silicone                 |        |              | D        | D              | B                           | B            | B        |                  |                     |             |                   |                 | A                  | D                             |                   |                       |                 |                   |                     |            | D                 | D                   |                 |                            | D                         | D                    | D                               |                                | D                    | B                        | D                    | D            |                   |                |               |                  |           |   |   |   |   |  |  |
| Fluorosilicone           |        |              | A        | A              | A                           |              |          |                  |                     |             |                   |                 | A                  | A                             |                   | A                     |                 | B                 | D                   |            |                   | B                   | B               | B                          |                           |                      | D                               | A                              |                      | A                        | A                    | B            |                   |                |               |                  | B         | B |   |   |   |  |  |

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| Fluid Name                            | Formula  | Aluminum | Brass | Carbon Steel | Alloy 600 | Alloy 400/450(Monel®) | Alloy 20 | Alloy C 276 (Hastelloy®) | Titanium | Cast Iron | 316 Stainless Steel | 630 Stainless steel | Carpenter 20® | PTFE/PFA (Teflon®) | Nylon | Polyethylen(PE) | POM (Delrin®) | PCTFE (Kel-F®) | PEEK | PVDF | UHMWPE | TPE | Poly Acrylate | Poly Urethane | NBR | FPM (Viton®) | Neoprene | EPDM | Kalrez® | Grafoil® | Silicone | Fluorosilicone |  |  |  |
|---------------------------------------|--|----------|-------|--------------|-----------|-----------------------|----------|--------------------------|----------|-----------|---------------------|---------------------|---------------|--------------------|-------|-----------------|---------------|----------------|------|------|--------|-----|---------------|---------------|-----|--------------|----------|------|---------|----------|----------|----------------|--|--|--|
| Thiophosphoryl Chloride               | PSCl <sub>3</sub>  |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |
| Thiourea                              | Th(NO <sub>3</sub> ) <sub>4</sub> · 4HOH                         |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |
| Thorium Nitrate                       |  |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |
| Tetrahydrofuran                       |  |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |
| Tin Salts                             |  |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |
| Tidewater Oil, BEEDOL                 |  |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |
| Titanic Acid                          | H <sub>2</sub> TiO <sub>3</sub>                                  |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |
| Titanium Dioxide                      | TiO <sub>2</sub>   |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |
| Titanium Sulfate                      | Ti(SO <sub>4</sub> ) <sub>2</sub> · 9HOH                         |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |
| Titanium Tetrachloride                | TiCl <sub>4</sub>  |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |
| TMA (Trimethylamine)                  | (CH <sub>3</sub> ) <sub>3</sub> N                                |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |
| TMAH (Tetramethyl Ammonium Hydroxide) | (CH <sub>3</sub> ) <sub>4</sub> NOH                              |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |
| TMAI (Trimethylaluminum)              | (CH <sub>3</sub> ) <sub>3</sub> Al                               |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |
| TMB (Trimethyl Borate)                | (CH <sub>3</sub> O) <sub>3</sub> B                               |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |
| TMCTS (Tetramethylcyclotetrasiloxane) | (HS(CH <sub>3</sub> )O) <sub>4</sub>                             |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |
| TMP (Trimethyl Phosphate)             | (CH <sub>3</sub> O) <sub>3</sub> P                               |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |
| TMPO (Trimethyl Phosphate)            | (CH <sub>3</sub> O) <sub>3</sub> PO                              |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |
| Toluol/Toluene, +20°C                 |  |          |       |              | A         | A                     |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |
| Town gas                              |  |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |
| Toluol (Toluene)                      | C <sub>6</sub> H <sub>5</sub> CH <sub>3</sub>                    | A        | A     | A            | A         | A                     | A        | A                        | A        | A         | A                   |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |
| Toluene Diisocyanate                  | CH <sub>3</sub> C <sub>6</sub> H <sub>3</sub> (NCO) <sub>2</sub> |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |
| p - Toluenesulfonyl Chloride          | H <sub>3</sub> CC <sub>6</sub> H <sub>4</sub> SO <sub>2</sub> Cl |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |
| p - Toluidine                         | CH <sub>3</sub> C <sub>6</sub> H <sub>4</sub> NH <sub>2</sub>    |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |
| Toluquinone                           | CH <sub>3</sub> C <sub>6</sub> H <sub>3</sub> O <sub>2</sub>     |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |
| p - Tollyaldehyde                     | CH <sub>3</sub> C <sub>6</sub> H <sub>4</sub> CHO                |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |
| Transformer Oil                       |  |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |
| Transmission Fluid Type A             |  |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |
| Tomato Juice                          |  |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |
| Trichloroethane                       |  |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |
| Transformer Oil                       |  |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |
| Tributyl Mercaptan                    |  |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |
| Tributyl Phosphate                    | (C <sub>4</sub> H <sub>9</sub> ) <sub>3</sub> PO <sub>4</sub>    |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |
| Trichloroacetic Acid(TCA)             | CCl <sub>3</sub> COOH  |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |
| Trichloroacetyl Chloride              | CCl <sub>3</sub> COCl  |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |
| 1, 2, 3 - Trichlorobenzene            | C <sub>6</sub> H <sub>3</sub> Cl <sub>3</sub>                    |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |
| 1, 1, 1 - Trichloroethane             | CH <sub>3</sub> CCl <sub>3</sub>                                 |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |
| Trichloroethylene(TCE)                | CHCl : CCl <sub>2</sub>  |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |  |

| Fluid Name                          | Formula   | Aluminum | Brass | Carbon Steel | Alloy 600 | Alloy 400/450(Monel®) | Alloy 20 | Alloy C 276 (Hastelloy®) | Titanium | Cast Iron | 316 Stainless Steel | 630 Stainless steel | Carpenter 20® | PTFE/PFA (Teflon®) | Nylon | Polyethylen(PE) | POM (Delrin®) | PCTFE (Kel-F®) | PEEK | PVDF | UHMWPE | TPE | Poly Acrylate | Poly Urethane | NBR | FPM (Viton®) | Neoprene | EPDM | Kalrez® | Grafoil® | Silicone | Fluorosilicone |  |  |
|-------------------------------------|---|----------|-------|--------------|-----------|-----------------------|----------|--------------------------|----------|-----------|---------------------|---------------------|---------------|--------------------|-------|-----------------|---------------|----------------|------|------|--------|-----|---------------|---------------|-----|--------------|----------|------|---------|----------|----------|----------------|--|--|
| Trichlorofluoromethane(FC 11)       | CCl <sub>3</sub> F  |          |       |              |           |                       |          |                          | A        |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |
| Trichlorophenylsilane               | Cl <sub>3</sub> SiC <sub>6</sub> H <sub>5</sub>   |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |
| 1, 2, 3 - Trichloropropane          | CH <sub>2</sub> ClCHClCH <sub>2</sub> Cl  |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |
| Trichlorosilane                     | SiHCl <sub>3</sub>  |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |
| Trichlorotrifluoroethane(FC 113)    | CCl <sub>2</sub> FCClF <sub>2</sub>   |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |
| Tricresyl Phosphate                 | (CH <sub>3</sub> C <sub>6</sub> H <sub>4</sub> O <sub>2</sub> ) <sub>3</sub> PO                               |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |
| Triethanolamine(TEA)                | (COCH <sub>2</sub> CH <sub>2</sub> ) <sub>3</sub> N   |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |
| Triethylaluminum                    | (C <sub>2</sub> H <sub>5</sub> ) <sub>3</sub> Al  |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |
| Trichlorethylene                    |   |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |
| Tricresyl Phosphate                 |   |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |
| Trichloro Benzene                   |   |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |
| Trichlor - acetic acid, max. +60 °C |   |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |
| Trichloroacetic Acid                |   |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |
| Trichloroethane                     |   |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |
| Trichlorethylene(tri)               |   |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |
| Trichloropropane                    |   |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |
| Tricesylphosphate                   |   |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |
| Triethanolamine                     |   |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |
| Triethylamine                       | (C <sub>2</sub> H <sub>5</sub> ) <sub>3</sub> N   |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |
| Triethylborane                      | (C <sub>2</sub> H <sub>5</sub> ) <sub>3</sub> B   |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |
| Triethyl Borate                     | (C <sub>2</sub> H <sub>5</sub> ) <sub>3</sub> BO <sub>3</sub>   |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |
| Triethylene Glycol(TEG)             | HO(C <sub>2</sub> H <sub>4</sub> O) <sub>3</sub> H  |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |
| Triethylenetetramine(TETA)          | NH <sub>2</sub> (C <sub>2</sub> H <sub>4</sub> NH) <sub>2</sub> C <sub>2</sub> H <sub>4</sub> NH <sub>2</sub> |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |
| Tri - Normal - Butyl Phosphate      |   |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |
| Triacetin                           | C <sub>3</sub> H <sub>5</sub> (OCOCH <sub>3</sub> ) <sub>3</sub>  |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |
| Triallyl Phosphate                  | (C <sub>2</sub> H <sub>5</sub> ) <sub>3</sub> PO <sub>4</sub>   |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |
| Trifluoroacetic Acid                | CF <sub>3</sub> COOH  |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |
| Trifluoroethane(FC 143a)            |   |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |
| Trimethylaluminum(TMAI)             | (CH <sub>3</sub> ) <sub>3</sub> Al  |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |
| Trimethylamine(TMA)                 | (CH <sub>3</sub> ) <sub>3</sub> N   |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |
| Trimethyl Borate(TMB)               | (CH <sub>3</sub> O) <sub>3</sub> B  |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |
| 2, 2, 4 - Trimethylpentane          | (CH <sub>3</sub> ) <sub>2</sub> CHCH <sub>2</sub> CH <sub>2</sub> CH(CH <sub>3</sub> ) <sub>2</sub>           |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |
| Trimethyl Phosphate(TMPO)           | (CH <sub>3</sub> O) <sub>3</sub> PO   |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |
| Trimethyl Phosphite(TMP)            | (CH <sub>3</sub> O) <sub>3</sub> P  |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |
| Trimethylolpropane                  | C <sub>2</sub> H <sub>5</sub> C(CH <sub>2</sub> OH) <sub>3</sub>  |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |
| Trinitrotoluene(TNT)                | CH <sub>3</sub> C <sub>6</sub> H <sub>2</sub> (NO <sub>2</sub> ) <sub>3</sub>                                 |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |
| Triocetyl Phosphate                 | (C <sub>8</sub> H <sub>17</sub> ) <sub>3</sub> PO <sub>4</sub>  |          |       |              |           |                       |          |                          |          |           |                     |                     |               |                    |       |                 |               |                |      |      |        |     |               |               |     |              |          |      |         |          |          |                |  |  |

| Fluid Name               | Tritium | Tung Oil(China Wood Oil) | Tungsten Hexafluoride | Tungstic Acid                  | Turbine Oil No 15(MIL L - 7808A) | Turpentine                      | Tributoxyethyl Phosphate  | Tributylamine                                   | Tributyl Citrate  | Trisodium Phosphate | Tung Oil | Turpentine | 750Nato Symbol O - 149 | Turpentine oil |
|--------------------------|---------|--------------------------|-----------------------|--------------------------------|----------------------------------|---------------------------------|---|---|---|---------------------|----------|------------|------------------------|----------------|
| Formula                  | T       |                          | WF <sub>6</sub>       | H <sub>2</sub> WO <sub>4</sub> |                                  | C <sub>10</sub> H <sub>16</sub> | (CH <sub>3</sub> (CH <sub>2</sub> ) <sub>3</sub> O)(CH <sub>2</sub> ) <sub>2</sub> O) <sub>3</sub> PO | (C <sub>4</sub> H <sub>9</sub> ) <sub>3</sub> N | C <sub>3</sub> H <sub>5</sub> O(COOC <sub>4</sub> H <sub>9</sub> ) <sub>3</sub> |                     |          |            |                        |                |
| Aluminum                 |         |                          |                       |                                |                                  |                                 |   |   |   | D                   | B        | B          |                        |                |
| Brass                    |         |                          |                       |                                |                                  |                                 |   |   |   |                     | B        | B          |                        |                |
| Carbon Steel             |         |                          |                       |                                |                                  |                                 |   |   |   |                     | B        | B          | A                      | A              |
| Alloy 600                |         |                          |                       |                                |                                  |                                 |   |   |   |                     |          | A          |                        |                |
| Alloy 400/450(Monel®)    |         |                          |                       |                                |                                  |                                 |   |   |   |                     | C        | B          |                        |                |
| Alloy 20                 |         |                          |                       |                                |                                  |                                 |   |   |   | B                   | A        | B          |                        |                |
| Alloy C 276 (Hastelloy®) |         |                          |                       |                                |                                  |                                 |   |   |   | A                   | A        | A          |                        |                |
| Titanium                 |         |                          |                       |                                |                                  |                                 |   |   |   |                     |          | A          |                        |                |
| Cast Iron                |         |                          |                       |                                |                                  |                                 |   |   |   |                     | B        | B          |                        |                |
| 316 Stainless Steel      |         |                          |                       |                                |                                  |                                 |   |   |   | B                   | A        | B          |                        |                |
| 630 Stainless steel      |         |                          |                       |                                |                                  |                                 |   |   |   |                     |          | A          |                        |                |
| Carpenter 20®            |         |                          |                       |                                |                                  |                                 |   |   |   | B                   | A        | B          |                        |                |
| PTFE/PFA (Teflon®)       | A       |                          |                       | A                              | A                                |                                 |   |   |   | A                   | A        | A          | A                      | A              |
| Nylon                    |         |                          |                       |                                |                                  |                                 |   |   |   |                     |          | A          |                        |                |
| Polyethylen(PE)          |         |                          |                       |                                |                                  |                                 |   |   |   |                     |          |            |                        |                |
| POM (Delrin®)            |         |                          |                       |                                |                                  |                                 |   |   |   | A                   | A        | A          | B                      | A              |
| PCTFE (Kel-F®)           |         |                          |                       |                                |                                  |                                 |   |   |   |                     |          |            |                        |                |
| PEEK                     |         |                          |                       |                                |                                  |                                 |   |   |   | A                   | A        | A          |                        |                |
| PVDF                     |         |                          |                       |                                |                                  | A                               |   |   |   |                     |          |            |                        | A              |
| UHMWPE                   |         |                          |                       |                                |                                  |                                 |   |   |   | A                   |          | D          |                        |                |
| TPE                      |         |                          |                       |                                |                                  |                                 |   |   |   | A                   |          |            |                        |                |
| Poly Acrylate            |         |                          |                       |                                |                                  |                                 |   |   |   | D                   | A        | B          |                        |                |
| Poly Urethane            |         |                          |                       |                                |                                  |                                 |   |   |   | D                   | A        | B          |                        |                |
| NBR                      | A       |                          |                       | B                              | A                                | D                               |   |   |   | A                   | A        | C          | C                      | A              |
| FPM (Viton®)             | A       |                          |                       | A                              | A                                | A                               |   |   |   | B                   | A        | A          | A                      | A              |
| Neoprene                 |         |                          |                       |                                |                                  |                                 |   |   |   | A                   | B        | D          |                        |                |
| EPDM                     | D       |                          |                       | D                              | D                                | A                               |   |   |   | B                   | D        | D          | C                      |                |
| Kalrez®                  | A       | A                        | A                     | A                              | A                                | A                               | A   | A   | A   |                     |          |            |                        |                |
| Grafoil®                 |         |                          |                       |                                |                                  |                                 |   |   |   | A                   | A        | A          |                        |                |
| Silicone                 | D       |                          |                       | D                              | D                                |                                 |   |   |   | A                   | D        | D          |                        |                |
| Fluorosilicone           | B       |                          |                       | B                              | B                                | B                               |   |   |   | A                   | A        | A          |                        |                |





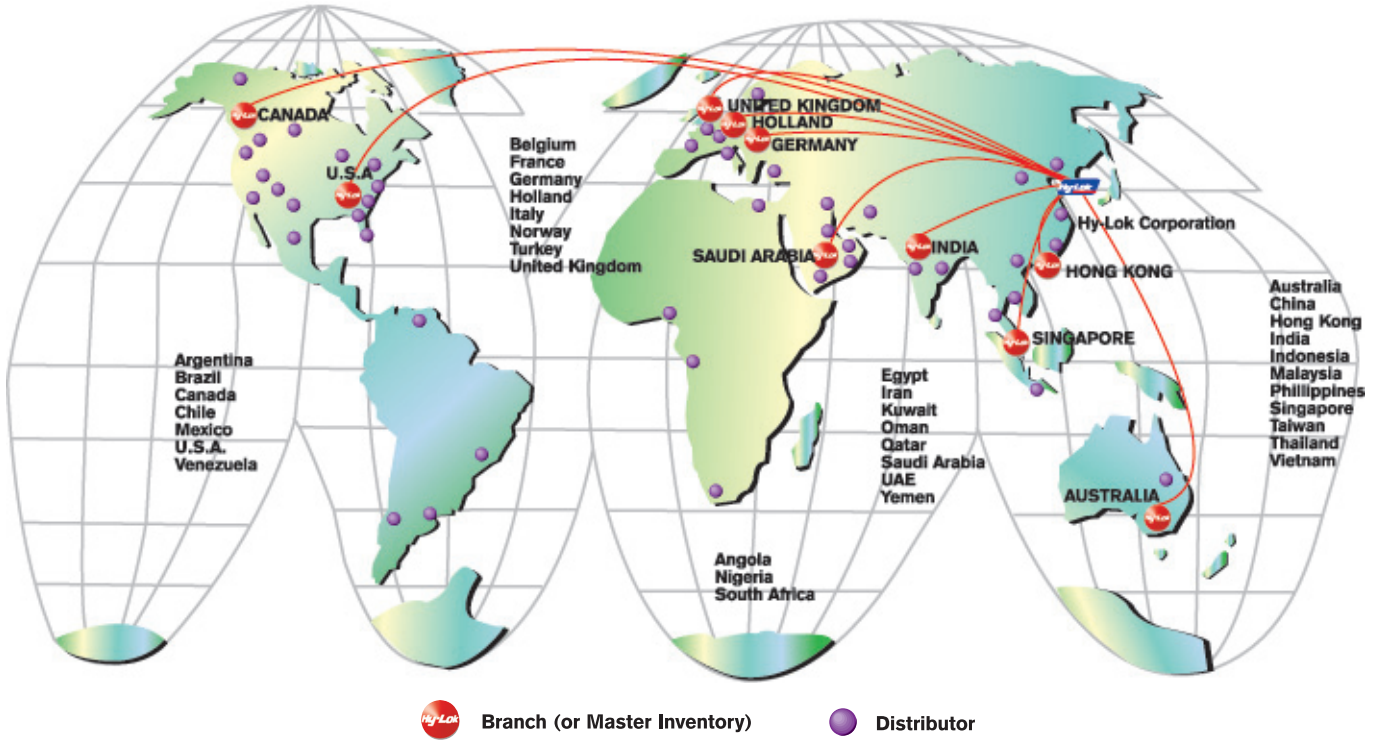
# [ Fluid Compatibility Guide - W ]

| Fluid Name               | Water, Distilled | Water, Boiler Feed | Water, acid mine | Water, distilled | Water, Fresh | Water, Salt | Whiskey | Water, Acid Mine | Water, +80 °C | Water, +180 °C | Water            | Waxes | Water to 275 °F | Water to 180 °F | Water Detergent Solution to 180 °F | Water, Sea, to 180 °F | Water, Soap Solution to 180 °F | Water, with Soluble Oil, to 180 °F | Whiskey and Alcoholic | Wine | WAGNER 21B Brake Fluid | WEMCO C | Whiskey&Wines | White Pine Oil | Wolmar Salts | White liquor (pule mill) |   |
|--------------------------|------------------|--------------------|------------------|------------------|--------------|-------------|---------|------------------|---------------|----------------|------------------|-------|-----------------|-----------------|------------------------------------|-----------------------|--------------------------------|------------------------------------|-----------------------|------|------------------------|---------|---------------|----------------|--------------|--------------------------|---|
| Formula                  |                  |                    |                  |                  |              |             |         |                  |               |                | H <sub>2</sub> O |       |                 |                 |                                    |                       |                                |                                    |                       |      |                        |         |               |                |              |                          |   |
| Aluminum                 | A                | C                  |                  |                  | A            | C           | C       | D                |               |                | A                | A     |                 |                 |                                    |                       |                                |                                    |                       | C    |                        |         | D             |                |              |                          |   |
| Brass                    | A                | C                  |                  |                  | A            | C           | C       | D                |               |                | A                | A     |                 |                 |                                    |                       |                                |                                    |                       | B    |                        |         | B             |                |              |                          |   |
| Carbon Steel             | D                | B                  |                  |                  | C            | D           | D       | D                | A             | A              | D                | A     |                 |                 |                                    |                       |                                |                                    |                       | D    |                        |         | D             |                |              |                          |   |
| Alloy 600                |                  |                    |                  |                  |              |             |         |                  |               |                |                  |       |                 |                 |                                    |                       |                                |                                    |                       |      |                        |         |               |                |              |                          |   |
| Alloy 400/450(Monel®)    | A                | A                  |                  |                  | A            | A           | C       | D                |               |                |                  | A     |                 |                 |                                    |                       |                                |                                    |                       | B    |                        |         | A             |                |              |                          |   |
| Alloy 20                 | A                |                    |                  |                  | A            |             |         |                  |               |                |                  | A     |                 |                 |                                    |                       |                                |                                    |                       |      |                        |         | A             |                |              |                          |   |
| Alloy C 276 (Hastelloy®) | A                |                    | A                | A                | A            | A           |         | C                |               |                |                  | A     |                 |                 |                                    |                       |                                |                                    |                       |      |                        |         | A             |                |              | A                        |   |
| Titanium                 |                  |                    |                  |                  |              |             |         |                  |               |                |                  |       |                 |                 |                                    |                       |                                |                                    |                       |      |                        |         |               |                |              |                          |   |
| Cast Iron                | D                |                    |                  |                  | C            |             |         | D                |               |                |                  | A     |                 |                 |                                    |                       |                                |                                    |                       |      |                        |         | D             |                |              |                          |   |
| 316 Stainless Steel      | A                |                    |                  |                  | A            |             |         | B                |               |                |                  |       |                 |                 |                                    |                       |                                |                                    |                       |      |                        |         |               |                |              |                          |   |
| 630 Stainless steel      | A                |                    |                  |                  | A            |             |         |                  |               |                |                  | A     |                 |                 |                                    |                       |                                |                                    |                       |      |                        |         | A             |                |              |                          |   |
| Carpenter 20®            |                  |                    | B                | A                | A            | B           |         |                  |               |                |                  |       |                 |                 |                                    |                       |                                |                                    |                       |      |                        |         | A             |                |              | A                        |   |
| PTFE/PFA (Teflon®)       | A                | A                  | A                | A                | A            | A           | A       | A                | A             | A              | A                | A     |                 |                 |                                    |                       |                                |                                    |                       | A    | A                      | A       | A             | A              | A            | A                        |   |
| Nylon                    |                  |                    |                  |                  |              |             |         |                  |               |                |                  |       |                 |                 |                                    |                       |                                |                                    |                       |      |                        |         | A             |                |              |                          |   |
| Polyethylen(PE)          |                  |                    |                  |                  |              | B           | B       |                  |               |                |                  |       |                 |                 |                                    |                       |                                |                                    |                       | B    |                        |         |               |                |              |                          |   |
| POM (Delrin®)            | A                |                    |                  |                  | A            |             | A       | A                | A             | C              | B                | A     |                 |                 |                                    |                       |                                |                                    |                       | A    |                        |         | A             |                |              |                          |   |
| PCTFE (Kel-F®)           |                  |                    |                  |                  |              |             |         |                  |               |                |                  |       |                 |                 |                                    |                       |                                |                                    |                       |      |                        |         |               |                |              |                          |   |
| PEEK                     | A                |                    |                  |                  | A            |             |         | A                |               |                |                  | A     |                 |                 |                                    |                       |                                |                                    |                       |      |                        |         | A             |                |              |                          |   |
| PVDF                     | A                |                    |                  |                  |              |             |         |                  |               |                | A                |       |                 |                 |                                    |                       |                                |                                    |                       | A    |                        |         |               |                |              |                          |   |
| UHMWPE                   | A                |                    | A                | A                | A            | A           |         | A                |               |                |                  |       |                 |                 |                                    |                       |                                |                                    |                       |      |                        |         | C             |                |              | A                        |   |
| TPE                      |                  |                    |                  |                  | A            | A           |         |                  |               |                |                  |       |                 |                 |                                    |                       |                                |                                    |                       |      |                        |         |               |                |              |                          |   |
| Poly Acrylate            |                  |                    |                  |                  |              |             |         |                  |               |                |                  |       | D               | D               | D                                  | D                     | D                              | D                                  | D                     | D    | D                      |         |               |                |              |                          |   |
| Poly Urethane            |                  |                    |                  |                  |              |             |         |                  |               |                |                  |       | D               | D               | D                                  | D                     | D                              | D                                  | D                     | D    | D                      |         |               |                |              |                          |   |
| NBR                      | C                |                    | A                | A                | A            | A           | A       | B                | A             | C              | B                | A     | D               | B               | B                                  | B                     | B                              | B                                  | A                     | A    | A                      | C       | A             | A              | B            | A                        | A |
| FPM (Viton®)             | B                |                    | A                | A                | A            | A           | A       | D                | A             | C              | B                | A     | B               | B               | B                                  | B                     | B                              | B                                  | A                     | A    | D                      | A       | A             | A              | A            | A                        |   |
| Neoprene                 | B                |                    |                  |                  | B            |             | A       | A                |               |                |                  | B     | C               | B               | C                                  | C                     | C                              | B                                  | C                     | C    |                        |         | A             |                |              |                          |   |
| EPDM                     | B                |                    |                  |                  | B            |             |         | A                | A             | A              | A                | C     | A               | A               | A                                  | A                     | A                              | D                                  | A                     | A    | A                      | D       | A             | D              | A            |                          |   |
| Kalrez®                  | A                |                    |                  |                  | A            |             |         | A                |               |                | A                |       |                 |                 |                                    |                       |                                |                                    |                       | A    | A                      | A       | A             | A              | A            |                          |   |
| Grafoil®                 | A                |                    |                  |                  | A            |             |         | A                |               |                | A                |       |                 |                 |                                    |                       |                                |                                    |                       |      |                        |         | A             |                |              |                          |   |
| Silicone                 |                  |                    |                  |                  |              |             |         |                  |               |                | A                |       | D               | B               | B                                  | B                     | B                              | D                                  | A                     | A    | C                      | D       | A             | D              | A            |                          |   |
| Fluorosilicone           |                  |                    |                  |                  |              |             |         |                  |               |                | A                |       | A               | A               | A                                  | A                     | A                              | B                                  | A                     | A    | A                      | D       | A             | A              | A            |                          |   |

# [ Fluid Compatibility Guide - X, Z ]

| Fluid Name               | Xenon | Xylen   | Xylidine  | Xylol   | Xylene(Xylol),Dry   | Xylene  | Zeolites   | Zinc Acetate   | Zinc Ammonium Chloride                  | Zinc Bromide                          | Zinc Chloride     | Zinc Chromate             | Zinc Cyanide        | Zinc Diethylthiocarbamate   | Zinc Fluorosilicate       | Zinc Hydrosulfite               | Zinc Naphthenate                                   | Zinc Nitrate                             | Zinc Oxide | Zinc Phenolsulfonate   | Zinc Phosphate                                  | Zinc Salts   | Zinc Stearate            | Zinc Sulfate | Zinc Sulfide      | Zinc Sulphate |
|--------------------------|-------|---|---|---|---|---|--|--|---|---------------------------------------|-------------------|---------------------------|---------------------|---|---------------------------|---------------------------------|--|--|------------|--|---|--|--------------------------|--------------|-------------------|---------------|
| Formula                  | Xe    | C <sub>6</sub> H <sub>4</sub> (CH <sub>3</sub> ) <sub>2</sub> | (CH <sub>3</sub> ) <sub>2</sub> C <sub>6</sub> H <sub>3</sub> NH <sub>2</sub> | (CH <sub>3</sub> ) <sub>2</sub> C <sub>6</sub> H <sub>4</sub> | (CH <sub>3</sub> ) <sub>2</sub> C <sub>6</sub> H <sub>4</sub> | (CH <sub>3</sub> ) <sub>2</sub> C <sub>6</sub> H <sub>4</sub> | Na <sub>2</sub> O : Al <sub>2</sub> O <sub>3</sub> : xSiO <sub>2</sub> | Zn(C <sub>2</sub> H <sub>3</sub> O <sub>2</sub> ) <sub>2</sub> : 2H <sub>2</sub> O | ZnCl <sub>2</sub> : 2NH <sub>4</sub> Cl | ZnBr <sub>2</sub> : 2H <sub>2</sub> O | ZnCl <sub>2</sub> | ZnCrO <sub>4</sub> : 7HOH | Zn(CN) <sub>2</sub> | Zn(SCSN(C <sub>2</sub> H <sub>5</sub> ) <sub>2</sub> ) <sub>2</sub> | ZnSiF <sub>6</sub> : 6HOH | ZnS <sub>2</sub> O <sub>4</sub> | Zn(C <sub>6</sub> H <sub>5</sub> COO) <sub>2</sub> | Zn(NO <sub>3</sub> ) <sub>2</sub> : 6HOH | ZnO        | Zn(SO <sub>3</sub> C <sub>6</sub> H <sub>4</sub> OH) <sub>2</sub> : 8HOH | Zn <sub>3</sub> (PO <sub>4</sub> ) <sub>2</sub> | Zn(C <sub>18</sub> H <sub>35</sub> O <sub>2</sub> ) <sub>2</sub> | ZnSO <sub>4</sub> : 7HOH | Zns          | ZnSO <sub>4</sub> |               |
| Aluminum                 |       |   |   |   | A   | A   |  |  |   | D                                     | D                 |                           |                     |   | D                         |                                 |  |  |            |  |   |  | D                        |              | C                 |               |
| Brass                    |       |   |   |   | A   | A   |  |  |   | B                                     | D                 |                           |                     |   | C                         |                                 |  |  |            |  |   |  | B                        |              | B                 |               |
| Carbon Steel             |       |   |   |   | B   | B   |  |  |   |                                       | D                 |                           |                     |   | A                         |                                 |  |  |            |  |   |  | B                        |              | D                 |               |
| Alloy 600                |       |   |   |   |   |   |  |  |   | B                                     |                   |                           |                     |   | B                         |                                 |  |  |            |  |   |  | B                        |              |                   |               |
| Alloy 400/450(Monel®)    |       |   |   |   | A   |   |  |  |   | B                                     | B                 |                           |                     |   | B                         |                                 |  |  |            |  |   |  | B                        |              |                   |               |
| Alloy 20                 |       |   |   |   |   |   |  |  |   | B                                     |                   |                           |                     |   | A                         |                                 |  |  |            |  |   |  | A                        |              |                   |               |
| Alloy C 276 (Hastelloy®) |       |   |   |   | A   |   |  |  |   | A                                     | B                 |                           |                     |   | A                         |                                 |  |  |            |  |   |  | B                        |              |                   |               |
| Titanium                 |       |   |   |   |   |   |  |  |   |                                       | A                 |                           |                     |   |                           |                                 |  |  |            |  |   |  | A                        |              |                   |               |
| Cast Iron                |       |   |   |   | D   |   |  |  |   | D                                     |                   |                           |                     |   | B                         |                                 |  |  |            |  |   |  | D                        |              |                   |               |
| 316 Stainless Steel      |       |   |   |   |   |   |  |  |   | B                                     | D                 |                           |                     |   | A                         |                                 |  |  |            |  |   |  | B                        |              | B                 |               |
| 630 Stainless steel      |       |   |   |   | A   |   |  |  |   |                                       |                   |                           |                     |   |                           |                                 |  |  |            |  |   |  |                          |              |                   |               |
| Carpenter 20®            |       |   |   |   | B   |   |  |  |   | B                                     |                   |                           |                     |   | A                         |                                 |  |  |            |  |   | A  |                          |              |                   |               |
| PTFE/PFA (Teflon®)       | A     | D   | B   | D   |   | A   | A  | C  | A                                       | B                                     |                   |                           |                     |   | A                         |                                 |  |  |            |  | A   | A  | A                        | A            | A                 |               |
| Nylon                    |       |   |   |   | A   |   |  |  |   |                                       | D                 |                           |                     |   |                           |                                 |  |  |            |  |   |  |                          |              |                   |               |
| Polyethylen(PE)          |       |   |   |   |   |   |  |  |   |                                       | B                 |                           |                     |   |                           |                                 |  |  |            |  |   |  | B                        |              |                   |               |
| POM (Delrin®)            |       |   |   |   | A   | B   |  |  |   | A                                     | B                 |                           |                     |   | A                         |                                 |  |  |            |  |   |  | A                        |              | C                 |               |
| PCTFE (Kel-F®)           |       |   |   |   | A   |   |  |  |   |                                       |                   |                           |                     |   |                           |                                 |  |  |            |  |   |  |                          |              |                   |               |
| PEEK                     |       |   |   |   | A   |   |  |  |   | A                                     |                   |                           |                     |   | A                         |                                 |  |  |            |  |   |  | A                        |              |                   |               |
| PVDF                     |       |   |   | A   | A   |   |  |  |   | A                                     | A                 | A                         | A                   |   |                           |                                 | A  | A  |            | A  | A   | A  |                          |              |                   |               |
| UHMWPE                   |       |   |   |   | D   |   |  |  |   |                                       | A                 |                           |                     |   |                           |                                 |  |  |            |  |   |  | A                        |              |                   |               |
| TPE                      |       |   |   |   | B   |   |  |  |   |                                       | A                 |                           |                     |   |                           |                                 |  |  |            |  |   |  |                          |              |                   |               |
| Poly Acrylate            |       |   |   |   | D   |   |  |  |   |                                       | D                 |                           |                     |   |                           |                                 |  |  |            |  |   |  |                          |              |                   |               |
| Poly Urethane            |       |   |   |   | D   |   |  |  |   |                                       | D                 |                           |                     |   |                           |                                 |  |  |            |  |   |  |                          |              |                   |               |
| NBR                      | A     | D   | C   | D   | D   | D   |  | B  | B                                       | B                                     |                   |                           |                     |   | A                         |                                 |  |  |            |  | A   | A  | A                        | A            |                   |               |
| FPM (Viton®)             | A     | B   | D   | A   | A   | B   |  | A  | D                                       | B                                     | A                 |                           |                     |   | A                         |                                 |  |  |            |  | A   | A  | A                        | A            |                   |               |
| Neoprene                 |       |   |   |   | D   |   |  |  |   | B                                     | B                 |                           |                     |   | A                         |                                 |  |  |            |  |   |  | A                        |              |                   |               |
| EPDM                     | A     | D   | D   | D   | D   | D   |  | A  | A                                       | B                                     | A                 |                           |                     |   | A                         |                                 |  |  |            |  | A   | A  | A                        | A            |                   |               |
| Kalrez®                  | A     | A   | A   | A   | A   |   |  | A  | A                                       | A                                     | A                 | A                         | A                   | A   | A                         | A                               | A  | A  | A          | A  | A   | A  | A                        | A            |                   |               |
| Grafoil®                 |       |   |   |   | A   |   |  |  |   | A                                     |                   |                           |                     |   |                           |                                 |  |  |            |  |   |  | A                        |              |                   |               |
| Silicone                 | A     | D   | D   | D   | D   |   |  | D  |   |                                       | B                 |                           |                     |   |                           |                                 |  |  |            |  | A   |  | A                        |              |                   |               |
| Fluorosilicone           | A     | A   | D   | A   | D   |   |  | A  | D                                       |                                       | B                 |                           |                     |   |                           |                                 |  |  |            |  | A   |  | A                        |              |                   |               |

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