

Chemical Compatibility Guide



General guideline for the use of the CEJN Chemical Compatibility Guide:

Important! All specifications for general information only.

The table is composed of basic values. Unless otherwise indicated, they apply to pure substances, room temperature and moderate concentration. The table does not indicate what effect the material may have on the chemical stated. Depending on valve construction and application, different products have different possibilities to allow minor effects on seals. For example, products with dynamically working seals, used in applications with low pressure and/or dry (non-lubricate) media, will probably not allow any effects of seals.

The table is intended as a guide, please be advised that in any given case many factors such as solution, temperature and presence of impurities influence the rate of corrosion. CEJN cannot accept responsibility for problems arising from the use of these data. We recommend that in critical applications, tests to be conducted to verify ratings.

Defining of symbols: A = Recommended – little or no effect.
 B = Minor to moderate effect.
 C = Moderate to severe effects.
 U = Not recommended.
 - = No information available / Variation of available information.

Materials: NBR = Nitrile rubber
 FPM = Viton rubber
 EPDM = Ethylene Propylene Rubber
 PUR (EU) = Ether Based Polyurethane
 PUR (AU) = Ester Based Polyurethane
 Brass = CW614N
 Steel = 11SMnPb30+C
 Stainless steel = AISI 316

- **For general information only.**
- **Tests to verify ratings must be considered.**
- **No responsibility accepted.**
- **For further information, please contact CEJN AB.**

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| MEDIA | NBR | FPM | EPDM | Kalrez | PUR (EU) | PUR (AU) | Brass | Steel | Stainl. st. |
|--------------------------|-----|-----|------|--------|----------|----------|-------|-------|-------------|
| Acetaldehyde | U | U | A | B | U | U | B | U | A |
| Acetamide | A | B | A | A | U | U | U | U | A |
| Acetic Acid Glacial | C | C | A | A | U | U | U | U | A |
| Acetic Acid 30 % | B | B | A | A | C | U | U | U | A |
| Acetic Anhydride | C | U | B | A | U | U | U | U | A |
| Acetone | U | U | A | A | U | U | A | B | A |
| Acetophenone | U | U | A | A | U | U | B | B | B |
| Acetyl Chloride | C | A | B | A | U | U | U | B | B |
| Acrylonitrile | U | U | U | A | - | - | A | A | A |
| Air under 100° C | A | A | A | A | A | A | A | A | A |
| Air 100 - 150° C | B | A | B | A | C | C | A | A | A |
| Air 150 - 200° C | C | A | C | A | U | U | A | A | A |
| Aluminium Acetate | B | C | A | A | U | U | U | U | U |
| Aluminium Bromide | A | A | A | A | - | - | U | U | U |
| Aluminium Chloride 10 % | A | A | A | A | C | C | C | C | C |
| Aluminium Chloride Conc. | A | A | A | A | C | C | C | B | B |
| Aluminium Fluoride | A | A | A | A | C | C | C | C | C |
| Aluminium Hydroxide | A | A | C | A | C | C | - | - | A |
| Aluminium Nitrate | A | A | A | A | U | U | C | C | B |
| Aluminium Phosphate | A | A | A | A | U | U | - | - | - |
| Aluminium Sulphate | A | A | A | A | U | U | B | C | B |
| Ammonia Anhydrous | A | U | A | A | C | B | U | B | A |
| Ammonia Gas (Cold) | A | C | A | A | U | U | U | B | A |
| Ammonia Gas (Hot) | C | U | B | A | U | U | U | B | A |
| Ammonium Carbonate | - | - | A | A | U | U | U | B | B |
| Ammonium Chloride | A | A | A | A | B | B | C | C | B |
| Ammonium Hydroxide | U | B | A | A | - | - | C | C | A |
| Ammonium Nitrate | A | A | A | A | U | U | U | U | A |
| Ammonium Persulphate | U | U | A | A | U | U | C | C | A |
| Ammonium Phosphate | A | C | A | A | U | U | B | B | A |
| Ammonium Sulphate | A | A | A | A | - | - | U | U | A |
| Amyl Acetate | U | U | A | A | U | U | B | B | A |
| Amyl Alcohol | B | A | A | A | U | U | A | A | A |
| Amyl Borate | A | A | U | A | - | - | U | U | - |
| Amyl Chloride | U | A | C | A | - | - | C | B | - |
| Amyl Chloronaphthalene | U | A | U | A | U | U | U | U | - |
| Amyl Naphthalene | U | A | U | A | U | U | U | U | - |
| Aniline | U | C | B | A | U | U | U | A | A |
| Aniline Dyes | U | B | B | A | U | U | U | A | A |
| Aniline Hydrochloride | B | B | B | A | U | U | - | - | - |
| Animal Fats | A | A | B | A | A | A | A | A | A |
| Ansul Ether | C | C | U | A | B | B | - | - | - |
| Aqua Regia | - | B | C | A | U | U | - | - | - |
| Arochlor (S) | C | A | C | A | U | U | - | - | - |
| Arsenic Acid | A | A | A | A | C | C | C | C | A |
| Asphalt | B | A | U | A | B | B | C | C | A |
| Astm Oil No. 1 | A | A | U | A | A | A | A | A | A |
| Astm Oil No. 2 | A | A | U | A | A | A | A | A | A |
| Astm Oil No. 3 | A | A | U | A | A | A | A | A | A |
| Astm Oil No. 4 | B | A | U | A | C | C | A | A | A |

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| MEDIA | NBR | FPM | EPDM | Kalrez | PUR (EU) | PUR (AU) | Brass | Steel | Stainl. st. |
|--------------------------|-----|-----|------|--------|----------|----------|-------|-------|-------------|
| Barium Carbonate | A | A | A | A | A | A | U | B | A |
| Barium Chloride | A | A | A | A | A | A | C | C | C |
| Barium Hydroxide | A | A | A | A | - | - | C | B | B |
| Barium Sulphate | A | A | A | A | A | A | U | U | B |
| Barium Sulphide | A | A | A | A | A | A | C | B | B |
| Beer | A | A | A | A | B | A | C | C | A |
| Beet Sugar Liquors | A | A | A | A | U | U | - | - | - |
| Benzaldehyde | U | U | A | A | U | U | C | U | A |
| Benzene | U | A | U | A | U | U | A | A | A |
| Benzenesulphonic Acid | U | A | U | A | U | U | C | C | C |
| Benzyl Alcohol | U | A | B | A | U | U | U | C | A |
| Benzyl Benzoate | - | A | B | A | - | - | - | - | A |
| Benzyl Chloride | U | A | - | A | U | U | C | C | B |
| Benzoic Acid | A | A | A | A | U | U | - | U | A |
| Blast Furnace Gas | U | A | - | A | U | U | A | B | A |
| Bleach Solutions | U | A | A | A | U | U | U | U | U |
| Borax | B | A | A | A | A | A | C | B | A |
| Bordeaux Mixture | B | A | A | A | U | U | U | U | U |
| Boric Acid | A | A | A | A | A | A | U | U | B |
| Brine | A | - | A | A | B | B | - | - | - |
| Bromine Anhydrous | U | A | - | A | U | U | U | U | U |
| Bromine Trifluoride | U | U | U | B | U | U | - | - | - |
| Bromine Water | U | A | B | B | U | U | U | U | U |
| Bromobenzene | U | A | U | A | U | U | - | - | - |
| Bunker Oil | A | A | U | A | B | B | C | B | A |
| Butadiene | - | A | C | A | U | U | C | B | A |
| Butane | A | A | U | A | A | A | C | B | A |
| Butter | A | A | A | A | A | A | B | C | A |
| Butyl Acetate | U | U | B | A | U | U | - | - | A |
| Butyl Acetyl Ricinoleate | B | A | A | A | U | U | - | - | - |
| Butyl Acrylate | U | U | U | A | - | - | - | - | - |
| Butyl Alcohol | B | B | A | A | U | U | B | B | A |
| Butyl Amine | C | U | U | A | U | U | - | - | B |
| Butyl Carbitol | - | B | A | A | U | U | - | - | A |
| Butyl Cellosolve | C | U | A | A | U | U | A | A | A |
| Butyl Oleate | B | A | B | A | A | A | - | - | - |
| Butyl Stearate | B | A | B | A | - | - | - | - | A |
| Butylene | B | A | U | A | U | U | - | - | - |
| Butyric Aldehyde | C | U | B | B | - | - | - | - | A |
| | | | | | | | | | |
| Calcium Acetate B | U | A | A | U | U | U | U | - | |
| Calcium Bisulphite | A | A | U | B | A | A | U | U | B |
| Calcium Carbonate | A | A | A | A | - | - | C | B | A |
| Calcium Chloride | A | A | A | A | A | A | C | C | B |
| Calcium Hydroxide | A | A | A | A | A | A | U | U | A |
| Calcium Hypochlorite | C | A | A | A | U | U | U | U | B |
| Calcium Nitrate | C | A | A | A | A | A | - | - | B |
| Calcium Sulphate | B | A | B | A | - | - | C | U | A |
| Calcium Sulphide | B | A | A | A | A | A | U | U | B |
| Cane Sugar Liquors | A | A | A | A | U | U | - | - | - |
| Carbamate | C | A | B | A | U | U | - | - | - |
| Carbitol | B | B | B | A | U | U | - | - | A |
| Carbolic Acid | U | A | B | A | C | C | B | U | A |
| Carbon Bisulphide | C | A | U | A | U | U | U | U | U |
| Carbon Dioxide | A | A | B | A | A | A | A | B | A |

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| MEDIA | NBR | FPM | EPDM | Kalrez | PUR (EU) | PUR (AU) | Brass | Steel | Stainl. st. |
|--------------------------|-----|-----|------|--------|----------|----------|-------|-------|-------------|
| Carbon Disulphide | C | A | C | A | - | - | B | B | B |
| Carbon Acid | A | A | A | A | A | A | B | C | A |
| Carbon Monoxide | A | A | A | A | A | A | A | A | A |
| Carbon Tetrachloride | C | A | U | A | C | C | B | C | - |
| Castor Oil | A | A | B | A | A | A | - | - | A |
| Cellosolve | - | C | B | A | - | - | - | - | A |
| Cellosolve Acetate | U | U | C | A | U | U | - | - | A |
| Chlorine (Dry) | C | A | B | A | U | U | B | B | A |
| Chlorine (Wet) | C | A | C | A | U | U | U | U | U |
| Chlorine Dioxide | U | A | C | A | U | U | - | - | A |
| Chlorine Trifluoride | U | U | U | B | U | U | - | - | - |
| Chlorinated Solvents | C | A | C | A | U | U | U | U | U |
| Chloroacetone | U | U | A | A | U | U | - | - | - |
| Chloroacetic Acid | A | A | A | A | U | U | - | - | A |
| Chlorobenzene | U | A | U | A | U | U | C | C | B |
| Chlorobromomethane | - | A | B | A | - | - | - | - | U |
| Chlorobutadiene | U | A | U | A | U | U | U | U | U |
| Chloroform | U | A | U | B | U | U | C | B | B |
| Chloronaphthalene | U | A | U | A | U | U | - | - | A |
| Chloronitroethane | U | C | U | A | U | U | - | - | A |
| Chlorophenol | C | A | C | A | U | U | U | U | C |
| Chlorosulphonic Acid | U | C | U | A | U | U | U | U | U |
| Chlorotoluene | U | A | U | A | U | U | - | - | B |
| Chrome Plating Solutions | U | A | U | A | U | U | - | - | - |
| Chromic Acid | U | A | C | A | U | U | U | U | B |
| Citric Acid | B | A | A | A | B | A | C | B | A |
| Cobalt Chloride | A | A | A | A | C | C | - | - | B |
| Coconut Oil | A | A | A | A | A | A | - | - | - |
| Cod Liver Oil | A | A | A | A | A | A | - | - | - |
| Coke Oven Gas | - | A | - | A | U | U | A | B | A |
| Copper Acetate | B | U | A | A | U | U | U | U | A |
| Copper Chloride | A | A | A | A | A | A | - | A | B |
| Copper Cyanide | A | A | A | A | A | A | - | - | B |
| Copper Sulphate | A | A | A | A | A | A | C | U | B |
| Corn Oil | A | A | C | A | A | A | B | A | A |
| Cottonseed Oil | A | A | A | A | A | A | C | B | A |
| Creosol C | A | U | A | U | U | U | B | A | |
| Creosote | A | A | U | A | B | B | C | C | A |
| Cresylic Acid | C | A | U | A | U | U | C | B | A |
| Cyclohexane | A | A | U | A | B | B | B | A | A |
| Cyclohexanol | B | A | U | A | A | A | - | - | A |
| Cyclohexanone | U | U | B | U | U | U | - | - | A |
| Decalin | C | A | U | A | - | - | - | - | A |
| Decane | B | A | C | A | B | B | U | U | - |
| | | | | | | | | | |
| Denatured Alcohol | A | A | A | A | U | U | - | - | - |
| Detergent Solutions | A | A | A | A | U | U | - | - | - |
| Developing Fluids | A | A | B | A | - | - | - | - | - |
| Diacetone | U | U | A | A | U | U | - | - | - |
| Diacetone Alcohol | U | U | A | A | U | U | - | - | A |
| Dibenzyl Ether | U | U | B | A | B | B | - | - | A |
| Dibenzyl Sebacate | U | B | B | A | B | B | - | - | A |
| Dibutyl Amine | U | U | U | A | U | U | - | - | - |
| Dibutyl Ether | C | C | C | A | B | B | - | - | - |
| Dibutyl Phthalate | U | B | A | A | C | C | - | - | - |

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| MEDIA | NBR | FPM | EPDM | Kalrez | PUR (EU) | PUR (AU) | Brass | Steel | Stainl. st. |
|--------------------------|-----|-----|------|--------|----------|----------|-------|-------|-------------|
| Dibutyl Sebacate | U | B | B | A | U | U | - | - | - |
| Dichlorobenzene | U | A | U | A | U | U | - | - | A |
| Dichloro-Isopropyl Ether | U | C | C | A | B | B | - | - | - |
| Diesel Oil | A | A | U | A | B | B | A | A | A |
| Diethylamine | C | U | B | A | C | C | U | A | A |
| Diethyl Benzene | U | A | U | A | U | U | - | - | - |
| Diethyl Ether | U | U | C | A | A | A | - | - | A |
| Diethyl Sebacate | U | B | B | A | - | - | - | - | A |
| Diethylene Glycol | A | A | A | A | U | U | C | A | A |
| Diisobutylene | B | A | U | A | U | U | - | - | - |
| Diisopropyl Benzene | U | A | U | A | - | - | - | - | - |
| Diisopropyl Ketone | U | U | A | A | U | U | - | - | A |
| Dimethyl Aniline | U | U | B | A | U | U | - | - | A |
| Dimethyl Formamide | B | U | A | A | U | U | U | U | A |
| Dimethyl Phthalate | U | B | B | A | - | - | - | - | - |
| Dinitrotoluene | U | C | U | A | - | - | - | - | - |
| Diocetyl Phthalate | U | B | B | A | - | - | - | - | A |
| Diocetyl Sebacate | U | B | B | A | B | B | - | - | - |
| Dioxane | U | U | B | A | U | U | - | - | A |
| Dioxalane | U | A | B | A | U | U | - | - | A |
| Dipentene | B | A | U | A | - | - | - | - | A |
| Diphenyl | U | A | U | A | - | - | - | - | A |
| Diphenyl Oxides | U | A | - | A | U | U | - | - | A |
| Dry Cleaning Fluids | C | A | U | A | U | U | - | - | - |
| Epichlorohydrin | U | U | B | A | U | U | A | B | B |
| Ethane | A | A | U | A | B | B | A | B | B |
| Ethanolamine | B | U | B | A | C | C | - | - | A |
| Ethyl Acetate | U | U | B | A | U | U | U | B | A |
| Ethyl Acetoacetate | U | U | B | A | U | U | - | - | A |
| Ethyl Acrylate | U | U | B | A | U | U | - | - | - |
| Ethyl Alcohol | B | C | A | A | C | B | A | C | A |
| Ethyl Benzene | U | A | U | A | U | U | - | - | A |
| Ethyl Benzoate | U | A | B | A | U | U | - | - | A |
| Ethyl Cellosolve | U | U | B | A | C | C | - | - | A |
| Ethyl Chloride | A | A | C | A | B | B | B | C | B |
| Ethyl Chlorocarbonate | U | A | B | A | U | U | - | - | - |
| Ethyl Chloroformate | U | U | A | A | U | U | - | - | - |
| Ethyl Ether | C | C | B | A | C | C | - | - | A |
| Ethyl Formate | U | A | B | A | - | - | - | - | A |
| Ethyl Mercaptan | U | A | U | A | - | - | - | - | A |
| Ethyl Oxalate | U | A | A | A | A | A | - | - | A |
| Ethyl Pentochlorobenzene | C | A | U | A | C | C | - | - | U |
| Ethyl Silicate | A | A | A | A | - | - | - | - | A |
| Ethylene | B | A | U | A | - | - | A | A | A |
| Ethylene Chloride | C | A | C | A | C | C | - | - | U |
| Ethylene Chlorohydrin | U | A | B | A | C | C | - | - | U |
| Ethylene Diamine | B | C | A | A | U | U | - | - | B |
| Ethylene Dichloride | U | A | C | A | U | U | C | C | - |
| Ethylene Glycol | A | A | A | A | C | C | U | C | A |
| Ethylene Oxide | U | U | C | A | U | U | - | - | A |
| Ethylene Trichloride | U | A | C | A | U | U | - | - | U |

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|---------------------------------|-----|-----|------|--------|----------|----------|-------|-------|-------------|
| Fatty Acids | B | A | U | A | A | A | C | U | A |
| Ferric Chloride | A | A | A | A | A | A | U | U | U |
| Ferric Nitrate | A | A | A | A | A | A | U | U | A |
| Ferric Sulphate | A | A | A | A | A | A | U | U | B |
| Fish Oil | A | A | B | A | - | - | A | B | A |
| Fluoroboric Acid | A | U | A | A | U | U | - | - | A |
| Fluorine (Liquid) | U | B | C | B | U | U | - | - | U |
| Fluorobenzene | U | A | U | A | - | - | - | - | A |
| Fluorosilic Acid | A | B | B | A | - | - | - | - | A |
| Formaldehyde | B | A | A | A | U | U | A | U | A |
| Formic Acid | B | C | A | A | U | U | B | C | A |
| Freon 11 | A | A | U | B | U | U | A | - | - |
| Freon 12 | A | B | B | B | A | A | A | A | A |
| Freon 13 | A | A | A | B | B | B | - | - | - |
| Freon 21 | U | U | U | A | B | B | - | - | - |
| Freon 22 | U | U | A | B | U | U | A | U | A |
| Freon 31 | U | U | A | A | B | B | - | - | - |
| Freon 32 | A | C | A | - | B | B | - | - | - |
| Freon 112 | B | A | U | - | B | B | - | - | - |
| Freon 113 | A | B | U | B | B | B | - | - | - |
| Freon 114 | A | B | A | B | A | A | - | - | - |
| Freon 115 | A | B | A | B | B | B | - | - | - |
| Freon C 318 | A | A | A | - | B | B | - | - | - |
| Freon 502 | B | B | A | B | - | - | - | - | - |
| Freon TA | A | C | A | - | A | A | - | - | - |
| Freon TC | A | A | B | - | A | A | - | - | - |
| Freon TF | A | A | U | - | A | A | - | - | - |
| Freon T-WD 602 | B | A | B | - | A | A | - | - | - |
| Freon TMC | B | A | B | - | B | B | - | - | - |
| Freon T-P35 | A | A | A | - | A | A | - | - | - |
| Fuel Oil | A | A | U | A | B | B | C | A | A |
| Furan / Furfuran | U | - | C | A | U | U | - | - | A |
| Furfural | U | U | B | A | U | U | A | B | A |
| Gallic Acid | B | A | B | A | U | U | C | B | A |
| Gasoline (Leaded) | A | A | U | A | A | A | A | A | A |
| Gasoline (Unleaded) | B | A | U | A | B | B | A | A | A |
| Gelatine | A | A | A | A | A | A | C | C | A |
| Glaubers Salt | A | A | A | A | A | A | U | C | A |
| Glucose | A | A | A | A | A | A | A | A | A |
| Glue | A | A | A | A | A | A | - | - | - |
| Glycerine | A | A | A | A | A | A | B | A | A |
| Glycols | A | A | A | A | C | C | B | B | A |
| Halowax Oil | U | A | U | A | - | - | - | - | A |
| Helium | A | A | A | A | A | A | A | A | A |
| Heptane | A | A | U | A | A | A | A | B | A |
| Hexaldehyde | U | - | A | A | B | B | - | - | A |
| Hexane | A | A | U | A | B | B | - | A | A |
| Hexyl Alcohol | A | A | B | A | U | U | - | - | A |
| Hydraulic Oil (Petroleum based) | A | A | U | A | A | A | A | A | A |
| Hydraulic Oil (Water based) | B | C | A | - | - | - | U | C | A |
| Hydrazine | B | A | A | A | U | U | U | C | A |
| Hydrobromic Acid | U | A | A | A | U | U | U | U | U |
| Hydrochloric Acid (Hot) 37 % | U | A | C | A | U | U | U | U | C |
| Hydrochloric Acid (Cold) 37% | B | A | A | A | U | U | U | U | B |

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|--------------------------------|-----|-----|------|--------|----------|----------|-------|-------|-------------|
| Hydrocyanic Acid | B | A | A | A | B | B | - | - | U |
| Hydrofluoric Acid (Hot) Conc. | U | B | U | A | U | U | U | U | U |
| Hydrofluoric Acid (Cold) Conc. | U | A | B | A | U | U | U | U | U |
| Hydrofluoric Acid (Anhydrous) | U | - | B | A | U | U | U | U | U |
| Hydrofluorosilic Acid | B | A | A | A | - | - | - | - | U |
| Hydrogen Gas | A | A | A | A | A | A | A | A | A |
| Hydrogen Peroxide 90 % | U | A | B | A | C | B | U | U | A |
| Hydrogen Sulphide | U | U | A | A | - | - | U | B | A |
| | | | | | | | | | |
| Isobutyl Alcohol | B | A | A | A | U | U | A | A | A |
| Isooctane | A | A | U | A | B | B | U | U | A |
| Isopropyl Acetate | U | U | A | A | A | A | - | - | A |
| Isopropyl Alcohol | B | A | A | A | B | A | A | A | A |
| Isopropyl Chloride | U | A | U | A | U | U | - | - | A |
| Isopropyl Ether | B | U | U | A | B | B | A | A | A |
| | | | | | | | | | |
| Kerosene | A | A | U | A | A | A | A | A | A |
| | | | | | | | | | |
| Lacquers | B | A | U | A | U | U | A | A | A |
| Lacquer Solvents | U | U | U | A | U | U | - | - | - |
| Lactic Acid | A | A | A | A | - | - | U | U | A |
| Lard | A | A | U | A | A | A | - | - | A |
| Lavender Oil | B | A | U | A | U | U | - | - | A |
| Lead Acetate | B | A | A | A | U | U | U | U | A |
| Lead Nitrate | A | A | A | A | U | U | - | - | - |
| Lead Sulphamate | B | A | A | A | - | - | - | - | - |
| Lighting Gas | A | A | U | A | - | - | A | A | A |
| Lime Bleach | A | A | A | A | - | - | - | - | - |
| Lime Sulphur | U | A | A | A | - | - | - | - | - |
| Lindol | U | B | A | A | U | U | - | - | - |
| Linoleic Acid | B | B | U | A | - | - | - | - | A |
| Linseed Oil | A | A | B | A | B | B | A | A | A |
| Liquefied Petroleum Gas | A | A | U | A | A | A | A | A | A |
| Lubricating Oils (Petroleum) | A | A | U | A | B | B | A | A | A |
| Lye | B | B | A | A | C | C | C | U | A |
| | | | | | | | | | |
| Magnesium Chloride | A | A | A | A | A | A | - | - | A |
| Magnesium Hydroxide | B | A | A | A | A | A | A | A | A |
| Magnesium Sulphate | A | A | A | A | - | - | C | C | A |
| Maleic Acid | A | A | C | A | - | - | U | C | A |
| Malic Acid | A | A | U | A | - | - | - | - | - |
| Mercuric Chloride | A | A | A | A | - | - | - | - | A |
| Mercury | A | A | A | A | A | A | C | B | A |
| Mesityl Oxide | U | U | B | A | U | U | - | - | A |
| Methane | A | A | U | A | B | B | A | B | A |
| Methyl Acetate | U | U | B | A | U | U | A | B | A |
| Methyl Acrylate | U | U | B | A | U | U | - | - | - |
| Methyl Alcohol | A | C | A | A | U | C | A | A | A |
| Methyl Bromide | B | A | U | A | U | U | U | A | A |
| Methyl Butyl Ketone | U | U | A | A | U | U | B | C | A |
| Methyl Cellosolve | B | - | B | A | U | U | A | B | A |
| Methyl Chloride | U | A | C | A | U | U | A | B | A |
| Methyl Cyclopentane | U | A | U | A | U | U | - | - | A |
| Methyl Ethyl Ketone | U | U | A | A | U | U | A | A | A |
| Methyl Formate | U | A | B | A | - | - | - | - | A |

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| MEDIA | NBR | FPM | EPDM | Kalrez | PUR (EU) | PUR (AU) | Brass | Steel | Stainl. st. |
|------------------------|-----|-----|------|--------|----------|----------|-------|-------|-------------|
| Methyl Isobutyl Ketone | U | U | B | A | U | U | - | - | A |
| Methyl Methacrylate | U | U | U | A | U | U | - | - | A |
| Methyl Oleate | U | A | B | A | - | - | - | - | A |
| Methyl Salicylate | U | A | B | A | - | - | - | - | A |
| Methylene Chloride | U | B | B | A | U | U | - | - | A |
| Milk | A | A | A | A | U | U | A | C | A |
| Mineral Oil | A | A | U | A | A | A | A | A | A |
| Monochlorobenzene | U | A | U | A | B | B | - | - | A |
| Monomethyl Aniline | U | B | A | A | - | - | - | - | - |
| Monoethanolamine | U | U | B | A | U | U | - | - | - |
| Monomethylether | A | A | B | A | - | - | - | - | - |
| Monovinyl Acetylene | A | A | A | A | - | - | - | - | - |
| | | | | | | | | | |
| Naphtha | B | A | U | A | C | C | B | A | A |
| Naphthalene | U | A | U | A | B | B | B | A | A |
| Naphthenic Acid | B | A | U | A | - | - | B | A | A |
| Natural Gas | A | A | U | A | B | B | B | A | A |
| Nickel Acetate | B | U | A | A | U | U | C | C | A |
| Nickel Chloride | A | A | A | A | U | U | C | B | A |
| Nickel Sulphate | A | A | A | A | A | A | C | U | C |
| Nitric Acid Conc. | U | A | C | A | U | U | U | U | A |
| Nitric Acid Dilute | U | A | B | A | C | C | U | U | A |
| Nitric Acid Red Fuming | U | C | U | A | U | U | U | U | B |
| Nitrobenzene | U | B | B | A | U | U | B | C | B |
| Nitrobenzine | A | A | C | B | B | B | - | - | - |
| Nitroethane | U | U | B | A | U | U | - | - | B |
| Nitrogen | A | A | A | A | A | A | A | A | A |
| Nitrogen tetroxide | U | U | C | A | U | U | - | - | - |
| Nitromethane | U | U | B | A | U | U | - | - | B |
| | | | | | | | | | |
| Octadecane | A | A | U | A | A | A | - | - | - |
| n-Octane | A | A | U | A | U | U | - | - | A |
| Octyl Alcohol | B | A | A | A | U | U | A | A | A |
| Oleic Acid | C | B | B | A | B | B | C | B | A |
| Oleum Spirits | B | A | B | A | C | C | B | B | B |
| Olive Oil | A | A | B | A | A | A | B | B | A |
| Oxalic Acid | B | A | A | A | - | - | C | C | A |
| Oxygen (Cold) | B | A | A | A | B | A | A | B | A |
| Oxygen (90-200° C) | U | B | U | A | U | U | A | B | A |
| Ozone (Dry) | U | A | A | - | B | A | A | A | A |
| Ozone (Wet) | U | A | A | - | B | A | C | C | A |
| | | | | | | | | | |
| Paint Thinner (Duco) | - | B | U | A | U | U | B | A | A |
| Palm Oil | B | A | A | A | - | - | B | C | A |
| Palmitic Acid | A | A | B | A | A | A | A | B | A |
| Paradichlorobenzene | U | A | U | A | - | - | B | A | A |
| Peanut Oil | A | A | C | A | B | B | B | A | A |
| Pentachlorophenole | C | A | U | A | - | - | - | A | B |
| Pentane | A | A | U | A | - | - | B | B | B |
| Perchloric Acid | C | A | B | A | U | U | C | C | B |
| Perchloroethylene | C | A | U | A | U | U | U | C | B |
| Phenol | U | A | B | A | U | U | B | C | A |
| Phenylbenzene | U | A | U | A | - | - | - | - | - |
| Phenyl Ethyl Ether | U | U | U | A | U | U | - | - | A |
| Phenyl Hydrazine | U | A | C | A | U | U | - | - | A |
| Phorone | U | U | A | A | U | U | - | - | A |

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| MEDIA | NBR | FPM | EPDM | Kalrez | PUR (EU) | PUR (AU) | Brass | Steel | Stainl. st. |
|---------------------------|-----|-----|------|--------|----------|----------|-------|-------|-------------|
| Phosphoric Acid 20 % | B | A | A | A | B | A | C | U | B |
| Phosphoric Acid 45 % | U | A | B | A | B | A | C | U | B |
| Phosphoric Acid Conc. | C | A | A | A | B | A | C | C | B |
| Phosphorus Trichloride | U | A | A | A | - | - | C | C | A |
| Pickling Solution | - | B | C | A | U | U | C | C | |
| Picric Acid | B | A | B | A | B | B | - | - | C |
| Pinene | B | A | U | A | B | B | - | - | - |
| Pine Oil | B | A | U | A | - | - | C | B | A |
| Piperidine | U | U | U | A | U | U | - | - | - |
| Plating Solution - Chrome | U | A | A | A | - | - | A | C | A |
| Plating Solution - Others | A | A | A | A | - | - | U | A | A |
| Potassium Acetate | B | - | A | A | C | C | B | A | B |
| Potassium Carbonate | B | A | B | A | - | - | B | C | A |
| Potassium Chlorate | C | A | A | A | U | U | C | C | A |
| Potassium Chloride | A | A | A | A | A | A | C | C | A |
| Potassium Cupro Cyanide | A | A | A | A | A | A | C | B | B |
| Potassium Cyanide | A | A | A | A | A | A | C | B | B |
| Potassium Dichromate | A | A | A | A | A | A | C | C | A |
| Potassium Hydroxide | B | B | A | A | B | B | C | B | A |
| Potassium Nitrate | A | A | A | A | A | A | B | A | A |
| Potassium Sulphate | A | A | A | A | A | A | C | C | B |
| Producer Gas | A | A | U | A | A | A | - | - | A |
| Propane | A | A | U | A | B | B | A | A | A |
| Propyl Acetate | U | U | B | A | U | U | C | A | A |
| Propyl Alcohol | A | A | A | A | U | U | A | A | A |
| Propyl Nitrate | U | U | B | A | U | U | - | - | - |
| Propylene | U | A | U | A | U | U | A | A | A |
| Propylene Glycol | B | A | A | A | U | U | A | B | A |
| Propylene Oxide | U | U | B | A | U | U | - | - | - |
| Pyridine | U | U | B | A | U | U | - | - | A |
| | | | | | | | | | |
| Rapeseed Oil | B | A | A | A | B | B | - | - | - |
| | | | | | | | | | |
| Sal Ammoniac | A | A | A | A | A | A | - | - | - |
| Salicylic Acid | A | A | A | A | A | A | C | U | A |
| Salt Water | A | B | A | A | A | B | B | U | B |
| Sea Water | A | B | A | A | - | - | B | U | B |
| Silicate Esters | B | A | U | A | A | A | - | - | - |
| Silicone Greases | A | A | A | A | A | A | A | A | A |
| Silicone Oils | A | A | A | A | A | A | A | A | A |
| Silver Nitrate | B | A | A | A | A | A | C | C | A |
| Skydrol 500 | U | U | A | A | U | U | C | A | A |
| Skydrol 7000 | U | B | A | A | U | U | C | A | A |
| Soap Solutions | A | A | A | A | B | B | A | C | A |
| Sodium Acetate | B | U | A | A | U | U | C | U | B |
| Sodium Bicarbonate | B | A | A | A | U | U | B | B | A |
| Sodium Bisulphite | A | A | A | A | U | U | B | U | A |
| Sodium Borate | A | A | A | A | A | A | C | B | B |
| Sodium Carbonate | A | A | A | A | B | B | C | B | A |
| Sodium Chloride | A | A | A | A | A | A | C | C | A |
| Sodium Cyanide | A | A | A | A | - | - | C | A | A |
| Sodium Hydroxide | B | B | A | A | B | B | U | C | B |
| Sodium Hypochlorite | B | A | B | A | U | U | - | - | A |
| Sodium Metaphosphate | A | A | A | A | - | - | C | C | B |

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| MEDIA | NBR | FPM | EPDM | Kalrez | PUR (EU) | PUR (AU) | Brass | Steel | Stainl. st. |
|---------------------------|-----|-----|------|--------|----------|----------|-------|-------|-------------|
| Sodium Nitrate | B | A | A | A | B | B | C | B | A |
| Sodium Perborate | B | A | A | A | U | U | C | C | A |
| Sodium Peroxide | B | A | A | A | U | U | U | C | A |
| Sodium Phosphate | A | A | A | A | A | A | A | C | A |
| Sodium Silicate | A | A | A | A | U | U | - | - | A |
| Sodium Sulphate | A | A | A | A | A | A | U | C | A |
| Sodium Sulphide | B | A | A | A | U | U | U | C | A |
| Sodium Thiosulphate | B | A | A | A | A | A | U | U | A |
| Soybean Oil | A | A | C | A | B | B | B | A | A |
| Stannic Chloride | A | A | B | A | - | - | C | C | B |
| Steam under 150 °C | U | U | A | A | U | U | A | B | A |
| Steam over 150 °C | U | U | U | A | U | U | B | B | A |
| Stearic Acid | B | A | B | A | A | A | B | U | A |
| Styrene | U | B | U | A | C | C | - | - | A |
| Sucrose Solution | A | A | A | A | U | U | A | B | A |
| Sulphite Liquors | B | A | B | A | - | - | - | - | - |
| Sulphur | U | A | A | A | - | - | C | A | A |
| Sulphur Chloride | C | A | U | A | U | U | - | - | U |
| Sulphur Dioxide | U | A | A | A | U | U | U | C | A |
| Sulphur Hexafluoride | A | A | A | - | - | - | - | - | - |
| Sulphur Trioxide | U | A | B | A | U | U | C | B | A |
| Sulphuric Acid Dilute | U | A | B | A | B | B | U | U | U |
| Sulphuric Acid Conc. | U | A | B | A | U | U | U | - | - |
| Sulphuric Acid 20% oleum | U | A | U | A | U | U | U | U | U |
| Sulphurous Acid | B | A | B | A | U | U | U | U | C |
| | | | | | | | | | |
| Tannic Acid | A | A | A | A | A | A | A | C | A |
| Tar. Bituminous | B | A | U | A | - | - | B | A | A |
| Tartaric Acid | A | A | B | A | A | A | U | U | A |
| Terpineol | B | A | C | A | B | B | U | U | - |
| Tertiary Butyl Alcohol | B | A | B | A | U | U | A | A | A |
| Tertiary Butyl Catechol | U | A | B | A | U | U | - | - | A |
| Tertiary Butyl Mercaptan | U | A | U | A | U | U | - | - | A |
| Tetrabromomethane | U | A | U | A | - | - | - | - | - |
| Tetrachlorethylene | U | A | U | B | C | C | C | B | B |
| Tetraethyl Lead | B | A | U | A | - | - | - | - | A |
| Tetrahydrofuran | - | U | B | A | U | U | - | - | - |
| Tetralin | U | A | U | A | - | - | - | - | A |
| Thionyl Chloride | - | A | U | A | - | - | - | - | C |
| Titanium Tetrachloride | C | A | U | B | - | - | B | A | A |
| Toluene | U | A | U | A | C | C | A | A | A |
| Transformer Oil | A | A | U | A | A | A | A | A | A |
| Transmission Fluid Type | A | A | A | U | A | A | A | A | A |
| Triacetin | B | U | A | A | U | U | - | - | A |
| Triaryl Phosphate | U | A | A | A | B | B | - | - | - |
| Tributoxy Ethyl Phosphate | U | A | A | A | U | U | - | - | B |
| Tributyl Phosphate | U | U | A | A | U | U | - | - | B |
| Tributyl Mercaptan | U | A | U | A | - | - | - | - | - |
| Trichloroacetic Acid | B | C | B | B | - | - | - | - | A |
| Trichloroethane | U | A | U | A | U | U | U | B | A |
| Trichloroethylene | C | A | U | B | U | U | C | B | A |
| Tricresyl Phosphate | U | B | A | A | C | C | U | A | B |
| Triethanol Amine | C | U | B | A | U | U | - | - | A |
| Triethyl Borane | B | A | B | A | - | - | - | - | A |
| Trinitrotoluene | U | B | U | A | - | - | - | - | A |

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| MEDIA | NBR | FPM | EPDM | Kalrez | PUR (EU) | PUR (AU) | Brass | Steel | Stainl. st. |
|--------------------|-----|-----|------|--------|----------|----------|-------|-------|-------------|
| Trioctyl Phosphate | U | B | A | A | - | - | - | - | - |
| Tung Oil | A | A | U | A | B | B | - | - | - |
| Turbine Oil | B | A | U | A | A | A | U | B | A |
| Turpentine | A | A | U | A | U | U | B | B | A |
| | | | | | | | | | |
| Vaseline | A | A | C | A | - | - | A | A | A |
| Vegetable Oils | A | A | A | A | - | - | B | B | A |
| | | | | | | | | | |
| Water | A | B | A | A | A | B | A | C | A |
| Whiskey | A | A | A | A | B | B | A | C | A |
| Wine | A | A | A | A | B | B | A | C | A |
| | | | | | | | | | |
| Xylene | C | A | C | A | U | U | A | B | A |
| | | | | | | | | | |
| Zinc Sulphate | A | A | A | A | - | - | C | U | B |