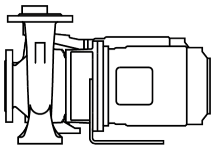
CASTLE PUMPS LTD

## Fluid Overview by Pump Type

There are lots of different pumping technologies on the market, all of which are suited to different fluid applications. The design and working principle of each pump type determines its ability to handle certain viscosities, chemical properties, temperatures, shear sensitivity, solid content and lubricating/non-lubricating fluids.

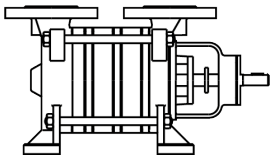
### Centrifugal

For clean, low viscosity fluids such as water, thin fuels and water based chemicals, foods and petrochemicals



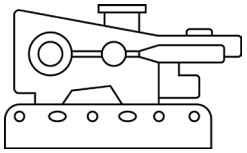
### Side Channel

For clean water and low viscosity chemicals even at high temperatures, and fluids with up to 50% gas content such as LPG and condensation



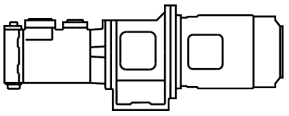
### Piston

For clean, low viscosity fluids such as water, thin fuels, oils and water based chemicals and petrochemicals



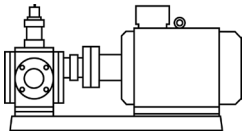
### Screw

For clean fuels, oils and other lubricating fluids thanks to its ability to handle fluctuations in viscosity caused by temperature changes



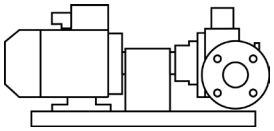
### Gear

For clean fuels, oils and other lubricating fluids thanks to its ability to handle fluctuations in viscosity caused by temperature changes



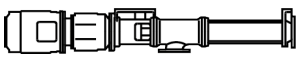
### Vane

For clean fuels and other low to medium viscosity liquids, even at high temperatures, including alcohols, chemicals and oils



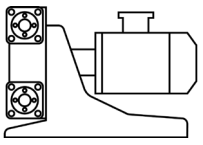
### Progressive Cavity / Eccentric Screw

For highly viscous fluids, sludges and slurries, dirty water, waste oils, solid-laden liquids, foods, gas-liquid mixtures and shear sensitive fluids



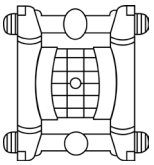
### Peristaltic

For almost any fluid including aggressive chemicals, viscous liquids, foods and high solid slurries thanks to its inner tube being the only wetted part



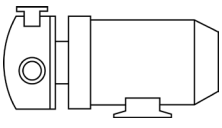
### AOD

For almost any fluid including aggressive chemicals, viscous liquids, foods and high solid slurries as the diaphragm can be constructed of many materials



### Flexible Impeller

For almost any fluid including water, chemicals, oils, liquids with high solid content, foods and shear sensitive fluids thanks to the differing impellers materials



# CASTLE PUMPS LTD

## Fluid Compatibility Table

Doing a fluid compatibility check when sourcing a pump is one of the first things you need to think about! Certain fluid/material combinations can result in corrosion, swelling, brittleness, leaking and even the dissolving of the pump! So ensuring you have the right pump material for the fluid you want, is a must!

## Key

**A** - Excellent
**B** - Good: Minor effect, slight corrosion, or discolouration
**C** - Fair: Moderate effect, not recommended for continuous use. Softening or loss of strength, and swelling may occur.
**D** - Severe effect: Not recommended for any use

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

| Fluid ↓ / Material → | Stainless Steel 316 | Cast Iron | Bronze | Hastelloy C | Aluminium | PP | PVDF | PPS | FKM | NBR | EPDM | PTFE | FFKM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Acetaldehyde | A | C | A | A | B | A1 | D | A | D | D | A | A | D |
| Acetamide | A | D | D | N/A | A | A1 | C | A | B | A | A | A | A |
| Acetate Solvent | A | D | C | A | A | B1 | A | A | D | C | A | A | N/A |
| Acetic Acid | B | D | C | A | B | B | C | A | D | C | A | A | N/A |
| Acetic Acid 20% | A | D | C | A | B | A | A | A | C | B | A | A | A |
| Acetic Acid 80% | B | D | C | A | B | A | C | A | D | C | A | A | N/A |
| Acetic Acid, Glacial | A | D | C | A | B | A1 | A1 | A | D | C | B | A | B |
| Acetic Anhydride | A | D | C | A | A1 | B1 | B1 | A | D | D | B | A | B |
| Acetone | A | A | A | A | A | A | D | A | D | D | A | A | A |
| Acetyl Bromide | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | A | N/A |
| Acetyl Chloride (dry) | A | B | N/A | A | D | D | A2 | A | A | D | D | A | A |
| Acetylene | A | A | C | N/A | A | A1 | A | A | A | B | A | A | A |
| Acrylonitrile | A1 | A1 | N/A | B | B1 | A1 | A1 | N/A | D | D | D | A | A |
| Adipic Acid | A2 | A | N/A | N/A | A | B2 | A2 | N/A | A | C | A2 | A | A |
| Alcohols: Amyl | A | B | A | A | B | B1 | A | A | A | B | A | A | C |
| Alcohols: Benzyl | B | B | A | A | B | A | A | A | A | D | B | A | A |
| Alcohols: Butyl | A | B | A | A | B | A | A | A | A | C | A2 | A | A |
| Alcohols: Diacetone | A | A | A | A | A1 | B2 | A1 | N/A | D | D | A | A | A |
| Alcohols: Ethyl | A | B | A | A | B | A | N/A | N/A | A | C | A | A | A |
| Alcohols: Hexyl | A | A | A | A | A | N/A | N/A | N/A | B | A | C | A | A |
| Alcohols: Isobutyl | A | C | A | A | B | A1 | N/A | N/A | A | B | A | A2 | A |
| Alcohols: Isopropyl | B | A | A | A | B | A2 | N/A | N/A | A | B | A | A2 | A |
| Alcohols: Methyl | A | A | A | A | A1 | A2 | A | A | C | A | A | A | A |
| Alcohols: Octyl | A | A | A | C | A | N/A | N/A | N/A | B | B | A | N/A | A |
| Alcohols: Propyl | A | A | A | A | A | A | A2 | A | A | A | A | A | A |
| Aluminum Chloride | B | D | D | A | D | A | A | A | A | A | A | A | A |
| Aluminum Chloride 20% | C1 | D | D | A | D | A | A | A | A | A | A | A | A |
| Aluminum Fluoride | D | D | N/A | B | B1 | A | A | A | A | A | A | A | A |
| Aluminum Hydroxide | C1 | A | C | B | B1 | A | A | N/A | A | A | A | A | B |
| Aluminum Nitrate | A | N/A | N/A | N/A | D | A2 | A2 | N/A | A | A2 | A2 | A | A |
| Aluminum Potassium Sulfate 10% | A | D | N/A | C | C | A | B | N/A | A | A | A | A | A |
| Aluminum Potassium Sulfate 100% | B2 | D | N/A | C | C | A | N/A | N/A | A | A | A | A | A |
| Aluminum Sulfate | B2 | D | B | B | B1 | A | A | A | A | A | A | A | A |
| Alums | A | D | N/A | B | A | A | N/A | N/A | D | A | A1 | A | A |
| Amines | A | D | D | B | B | B2 | N/A | B | D | D | B | A2 | B |
| Ammonia 10% | A | A | D | A | A2 | A2 | A | A1 | D | A | A | A | N/A |
| Ammonia Nitrate | A | A | D | N/A | C | A | A | A | A | C | A | A | N/A |

| Material / Fluid | Stainless Steel 316 | Cast Iron | Bronze | Hastelloy C | Aluminium | PP | PVDF | PPS | FKM | NBR | EPDM | PTFE | FFKM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ammonia, anhydrous | A2 | A | D | B | A1 | A | A | A1 | D | B | A | A | B |
| Ammonia, liquid | A2 | A | D | B | A | A2 | A | A1 | D | C | A | A | N/A |
| Ammonium Acetate | A | N/A | D | N/A | A | A | N/A | N/A | A | B | A | A | A |
| Ammonium Bifluoride | B1 | D | D | B | B | A | A | N/A | A | B | A2 | A | A |
| Ammonium Carbonate | B | B | D | B | B | A | A | A | A | B | A | A | A |
| Ammonium Caseinate | A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| Ammonium Chloride | B2 | D | D | D | B1 | A | A | A | A | B | A | A | N/A |
| Ammonium Hydroxide | A1 | D | D | B | B2 | A | A | A | B | D | A | A | A |
| Ammonium Nitrate | A | B | D | B | B1 | A | A | A | A | A | A | A | A |
| Ammonium Oxalate | A | D | D | A | N/A | A | N/A | N/A | N/A | D | A | N/A | A |
| Ammonium Persulfate | B | D | D | B | D | A | A1 | N/A | A | A | B | A1 | A |
| Ammonium Phosphate, Dibasic | C | D | D | B | B1 | A | A | A | A | A | A | A2 | A |
| Ammonium Phosphate, Monobasic | C | D | D | B | B | A | N/A | N/A | A | A | A | A | A |
| Ammonium Phosphate, Tribasic | B | D | C | B | B | A | N/A | N/A | A | A | A | A | A |
| Ammonium Sulfate | B | D | D | B | A1 | A | A | A | D | A | A | A | A |
| Ammonium Sulfite | B | D | A | N/A | D | A2 | N/A | N/A | A | A1 | A1 | A2 | A |
| Ammonium Thiosulfate | A | D | D | N/A | N/A | N/A | N/A | N/A | A | A | A1 | N/A | A |
| Amyl Acetate | A | C | A | A | A | B1 | A2 | A | D | D | A | A | A |
| Amyl Alcohol | A | B | A | A | B | B1 | A | A | A | B | A | A | A |
| Amyl Chloride | A2 | A | A | A1 | A1 | D | A | N/A | A | D | D | A | A |
| Aniline | B | C | C | B | C | A1 | A1 | A | A | D | B | A | A |
| Aniline Hydrochloride | D | D | D | D | D | D | A2 | N/A | B | D | B | A | A |
| Antifreeze | A | A | A | N/A | A | D | N/A | N/A | A | A | A | N/A | N/A |
| Antimony Trichloride | D | N/A | A | N/A | D | A | A | N/A | A | B | B1 | A | A |
| Aqua Regia (80% HCl, 20% HNO3) | D | D | D | C | D | B1 | A2 | D | A | D | C | A | D |
| Arochlor 1248 | B | B | A | A | A | D | N/A | N/A | A | C1 | B | A | A |
| Aromatic Hydrocarbons | C | A | C | N/A | A | D | N/A | N/A | A | D | D | N/A | N/A |
| Arsenic Acid | A2 | D | B | B | D | A | A | A | A | A2 | A2 | A | A |
| Arsenic Salts | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | B | N/A | N/A | N/A | N/A |
| Asphalt | A | A | A1 | N/A | A | B1 | A | A | A | B | D | A1 | A |
| Barium Carbonate | B | A | B | B | D | A | A | A2 | A | A2 | A | A | A |
| Barium Chloride | A1 | C | B1 | B | D | A | A | A | A | A | A | A | A |
| Barium Cyanide | A2 | C1 | C | A | C1 | D | N/A | N/A | A | C | A | A1 | A |
| Barium Hydroxide | B | D | D | B | D | B | A | A | A | A | A | A | B |
| Barium Nitrate | B | A | D | N/A | B | A | N/A | N/A | A | A2 | A | A1 | A |
| Barium Sulfate | B1 | B | C | A | B | B1 | A | A | A | A | A | A | A |
| Barium Sulfide | B2 | D | D | N/A | D | B | A | N/A | A | A | A | A | A |
| Beer | A | D | A1 | A1 | A | A1 | A | A2 | A | A | A | A | N/A |
| Beet Sugar Liquids | A | A | C | N/A | A | A1 | A | N/A | A | A | A | A1 | A |
| Benzaldehyde | B | A | A | A | B | D | A2 | A | D | D | A | A1 | B |
| Benzene | B | A | A | B | B | D | A2 | A | D | D | D | A | A |

| Material / Fluid | Stainless Steel 316 | Cast Iron | Bronze | Hastelloy C | Aluminium | PP | PVDF | PPS | FKM | NBR | EPDM | PTFE | FFKM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene Sulfonic Acid | B | N/A | N/A | B | D | D | N/A | A | D | D | D | A | N/A |
| Benzoic Acid | B | D | B | B1 | B | B1 | A | A1 | A | D | D | A2 | A |
| Benzol | A1 | A | A | B | B1 | B | A | A | B | D | D | A | A |
| Benzonitrile | D | N/A | N/A | C | N/A | N/A | N/A | N/A | N/A | N/A | N/A | A2 | N/A |
| Benzyl Chloride | B1 | N/A | D | C | D | C1 | N/A | N/A | A | D | D | N/A | A |
| Bleaching Liquors | N/A | N/A | N/A | N/A | N/A | A1 | N/A | N/A | A | D | A | A | A |
| Borax (Sodium Borate) | A | A | B | B | B1 | B | A | A | A | B | A | A | A |
| Boric Acid | A1 | D | B | A | D | A | A | A | A | A | A | A | A |
| Brewery Slop | A | A | A | N/A | N/A | N/A | N/A | N/A | N/A | A | N/A | N/A | N/A |
| Bromine | D | N/A | D | A | D | D | A | D | A | D | D | A | A |
| Butadiene | A1 | N/A | C | C | A | C | A | A1 | B | D | C | A2 | A |
| Butane | A2 | N/A | C | A | A | A1 | A | A | A | A | D | A | A |
| Butanol (Butyl Alcohol) | A1 | N/A | A | B | B | A1 | A | A | A | A | A2 | A2 | A |
| Butter | A | D | D | N/A | A | N/A | N/A | N/A | A | A | A | A | A |
| Buttermilk | A | D | D | A | A | A1 | N/A | N/A | A | A | A1 | A | N/A |
| Butyl Amine | A | N/A | B | B2 | A2 | B1 | A1 | D | D | N/A | N/A | A2 | B |
| Butyl Ether | A1 | N/A | N/A | N/A | A1 | D | A1 | A2 | D | B2 | D | A1 | N/A |
| Butyl Phthalate | B2 | N/A | N/A | B2 | B2 | B2 | B1 | A | C | D | B2 | A2 | A |
| Butylacetate | A | A | A | A | A | B1 | B2 | A | D | D | B | A | A |
| Butylene | A | N/A | D | N/A | A | N/A | A | A | A | A | D | A | A |
| Butyric Acid | B2 | D | D | A1 | B | B1 | A | A | B | D | B | A2 | A |
| Calcium Bisulfate | A | D | C | N/A | N/A | N/A | N/A | N/A | A | A | A | N/A | N/A |
| Calcium Bisulfide | B | N/A | C | A | C | A | A | N/A | A | A1 | C | A | A |
| Calcium Bisulfite | A | N/A | N/A | B | D | A | A | A | A | A | D | A | A |
| Calcium Carbonate | B | N/A | A | B | D | A | A | N/A | A | A | A | A | A |
| Calcium Chlorate | N/A | N/A | N/A | N/A | N/A | N/A | A | N/A | A | A | A | A | A |
| Calcium Chloride | B2 | C | A | A | D | A2 | A | A | A | A | A | A | A |
| Calcium Hydroxide | B | A | D | A | C1 | A2 | A2 | A | A | A | A | A | B |
| Calcium Hypochlorite | B1 | D | D | B | D | A1 | A | A | A | C1 | B1 | A | A |
| Calcium Nitrate | B2 | B | B2 | B2 | B1 | A2 | A2 | A | A | A2 | A2 | A2 | A |
| Calcium Oxide | A | N/A | D | A | C | A | A | A | A | A | A | A | A |
| Calcium Sulfate | B | A | A | B | C | A | A | A | A | A2 | A | A | A |
| Calgon | A | D | C | N/A | N/A | A | N/A | N/A | A | A | A | N/A | N/A |
| Cane Juice | A | A | A | N/A | B | C1 | A1 | N/A | N/A | A | A | A | N/A |
| Carbolic Acid (Phenol) | B | D | B | A | A | B | A1 | A | A | D | B | A | A |
| Carbon Bisulfide | B | N/A | B | N/A | B | D | N/A | N/A | A | C | D | N/A | A |
| Carbon Dioxide (dry) | A1 | D | A | A | B1 | A2 | A | A | A | A | B | A | A |
| Carbon Dioxide (wet) | A1 | D | A | A | A1 | A2 | A | A | B | A | B | A | A |
| Carbon Disulfide | B | A | D | B | A | D | B2 | A | A | D | D | A | A |
| Carbon Monoxide | A | A | A | B | A | A | B | N/A | A | A | A | A | B |
| Carbon Tetrachloride | B | D | A2 | A1 | D | D | A2 | A | A | D | D | A | A |
| Carbon Tetrachloride (dry) | B2 | N/A | B2 | B | D | D | A2 | A2 | A | C1 | B1 | A | N/A |
| Carbon Tetrachloride (wet) | A2 | C | A2 | B | D | D | A2 | A2 | N/A | D | D | A | N/A |
| Carbonated Water | A | D | A | N/A | A | B | N/A | N/A | A | A | N/A | N/A | N/A |
| Carbonic Acid | A | D | B | A2 | B1 | A | A | A | A | D | B | A | N/A |

| Material / Fluid | Stainless Steel 316 | Cast Iron | Bronze | Hastelloy C | Aluminium | PP | PVDF | PPS | FKM | NBR | EPDM | PTFE | FFKM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Catsup | A | D | A | N/A | D | A | N/A | N/A | A | A | A | N/A | N/A |
| Chloric Acid | C1 | D | D | A2 | D | N/A | N/A | N/A | N/A | N/A | N/A | A | N/A |
| Chlorinated Glue | A | D | A | N/A | N/A | N/A | N/A | N/A | N/A | B | B | N/A | N/A |
| Chlorine (dry) | B | D | B | A2 | C1 | D | A | D | A | B | A | A | B |
| Chlorine Water | C | N/A | B | A2 | D | D | B | D | D | D | C | A | A |
| Chlorine, Anhydrous Liquid | C | D | D | D | D | D | A1 | D | C | D | B | A | B |
| Chloroacetic Acid | A1 | D | C | A1 | D | C1 | A1 | A | C | D | B | A | A |
| Chlorobenzene (Mono) | B | B | C | A | A | C1 | A1 | A | A | D | D | B | A |
| Chlorobromomethane | N/A | B | N/A | N/A | N/A | A | N/A | N/A | A | D | B | A | A |
| Chloroform | A | B | B | A1 | B1 | C1 | A | A | B | D | D | A1 | A |
| Chlorosulfonic Acid | B2 | D | D | A1 | C | D | D | D | D | D | D | A | A |
| Chocolate Syrup | A | D | N/A | N/A | A | A2 | N/A | N/A | A | A | A | A | N/A |
| Chromic Acid 10% | B | D | D | A | D | D | A | A | A | D | C | A | A |
| Chromic Acid 30% | B2 | D | D | D | D | D | A2 | B | A | D | B | A | A |
| Chromic Acid 5% | A | D | B1 | B | C | D | A | A | A | D | A | A | A |
| Chromic Acid 50% | B2 | D | D | B | D | D | A2 | A1 | A | D | B | A | A |
| Chromium Salts | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | A |
| Cider | A | D | A | N/A | B | A | N/A | N/A | A | A | A | N/A | N/A |
| Citric Acid | A2 | D | D | A | C | A | A | A | A | A | A | A | A |
| Citric Oils | A | D | A | N/A | C | A | N/A | N/A | A | A | B | N/A | N/A |
| Cloroxr (Bleach) | A | D | N/A | A | A | D | A | D | A | D | B | A | A |
| Coffee | A | N/A | A | A | A | A | N/A | N/A | A | A | A | N/A | N/A |
| Copper Chloride | D | N/A | D | N/A | N/A | A | A | A | A | A | A | A | A |
| Copper Cyanide | B | A | D | A1 | D | A | A | A | A | A | A | A | A |
| Copper Fluoborate | D | D | N/A | B | N/A | N/A | N/A | N/A | A | B | N/A | N/A | A |
| Copper Nitrate | A2 | D | D | B2 | D | A | A | A | A | A | N/A | A | A |
| Copper Sulfate >5% | B | D | D | A | D | A | A | A | A | A | A | A | A |
| Copper Sulfate 5% | B | D | B | A | D | A | A | A | A | A | A | A | A |
| Cream | A | D | A | N/A | A | A | N/A | N/A | N/A | A | N/A | A | N/A |
| Cresols | A | C | A | B2 | A | D | A2 | A | A | D | D | N/A | N/A |
| Cresylic Acid | A | A | D | B1 | B2 | A1 | B1 | N/A | B | D | D | A | A |
| Cupric Acid | B2 | N/A | N/A | A1 | D | A2 | N/A | A | N/A | B2 | A2 | A | N/A |
| Cyanic Acid | A | D | N/A | N/A | N/A | N/A | N/A | N/A | D | C | N/A | A | N/A |
| Cyclohexane | A | B | B | B | A | D | A | A | A | B | D | A | A |
| Cyclohexanone | A2 | B | B | A1 | A | D | D | A | D | D | B | A | B |
| Detergents | A1 | N/A | B | B | B | A | A | A | A | A | A | A | A |
| Diacetone Alcohol | B | N/A | B | N/A | A1 | A1 | D | N/A | D | D | A | A | A |
| Dichlorobenzene | B1 | N/A | B1 | A1 | B1 | C1 | A | N/A | N/A | D | D | A | A |
| Dichloroethane | B | N/A | D | A | B1 | D | A | N/A | B | D | N/A | A1 | A |
| Diesel Fuel | A1 | A | A | B | A1 | A1 | A | A | A | A | D | A | A |
| Diethyl Ether | B2 | N/A | A1 | B1 | B | A1 | A1 | A | D | D | D | A | A |
| Diethylamine | A | B | A | A | B | A1 | D | N/A | D | C | B | D | A |
| Diethylene Glycol | A | A | N/A | B1 | B1 | A2 | A | N/A | A | A2 | A2 | A2 | A |
| Dimethyl Aniline | B2 | N/A | N/A | B2 | A2 | D | A1 | A | D | D | B2 | A | A |
| Dimethyl Formamide | B | N/A | N/A | N/A | A1 | A | D | A | D | D | B | A | B |

| Material / Fluid | Stainless Steel 316 | Cast Iron | Bronze | Hastelloy C | Aluminium | PP | PVDF | PPS | FKM | NBR | EPDM | PTFE | FFKM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Diphenyl | B | N/A | B | B | B2 | D | N/A | N/A | A | D | D | A | A |
| Diphenyl Oxide | A | A | N/A | B1 | B1 | D | B2 | A | A | A | D | A1 | A |
| Dyes | A | N/A | N/A | N/A | B | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| Epsom Salts (Magnesium Sulfate) | B | A | A | B | B1 | A | A | A | A | A | A | A | N/A |
| Ethane | A1 | N/A | N/A | N/A | N/A | D | A | N/A | A | A | D | A | A |
| Ethanol | A | B | A | A | B | A | N/A | N/A | B | C | A | A | A |
| Ethanolamine | A | N/A | B | B | B | D | C1 | A | D | B | B | A1 | A |
| Ether | A | C | A | B1 | B1 | D | B1 | A | D | D | C | A | A |
| Ethyl Acetate | B | A | A | A | A2 | A1 | D | A | D | D | B | A | A |
| Ethyl Benzoate | N/A | N/A | N/A | N/A | N/A | B1 | D | N/A | A | D | N/A | A | A |
| Ethyl Chloride | A | C | A | B1 | B | D | A | A | A | A | A | A | A |
| Ethyl Ether | B | C | A | B1 | B1 | D | A2 | A | D | D | D | A | A |
| Ethyl Sulfate | D | N/A | D | N/A | N/A | N/A | N/A | N/A | D | A | N/A | A | A |
| Ethylene Bromide | A | N/A | B | B | B | D | A | N/A | B | D | C | A | A |
| Ethylene Chloride | B | N/A | A | N/A | B | C1 | A | A | B | D | D | A | A |
| Ethylene Chlorohydrin | B | N/A | B | B | B | D | A | N/A | A | D | B | A | A |
| Ethylene Diamine | B | N/A | B | C | B1 | N/A | B | A | D | A | A | A | B |
| Ethylene Dichloride | B | A | C | B | A1 | D | A | A | B | D | C | A | A |
| Ethylene Glycol | B | A | A | B1 | A | A | A | A | A | A | A | A | A |
| Ethylene Oxide | B | D | C | A | D | D | A | D | D | D | C | A | C |
| Fatty Acids | A | C | A | A | A | A | A | N/A | A | B | D | A | A |
| Ferric Chloride | D | D | D | B2 | D | A | A | A | A | A | A | A | A |
| Ferric Nitrate | B | N/A | C | B1 | D | A | A | A | A | A | A | A | A |
| Ferric Sulfate | A | D | C | A1 | D | A | A | A | A | A | A | A | A |
| Ferrous Chloride | D | D | C1 | B1 | D | A | A | A | A | A | N/A | A | A |
| Ferrous Sulfate | B | D | B | B | B1 | A | A | A | A | A2 | A | A | A |
| Fluoboric Acid | B | D | B1 | A1 | D | A | A1 | A | A | A | A2 | A | A |
| Fluorine | A | D | C | B1 | A | D | A1 | D | B | D | A1 | D | B |
| Fluosilicic Acid | B | D | B2 | B | D | A | A1 | A | A | A | A2 | A | A |
| Formaldehyde 100% | A | C | B | A | A | C | A | B | A | C | A | A | A |
| Formaldehyde 40% | A | B | A | B | B | A | A | A | A | B | A | A | A |
| Formic Acid | A1 | D | C | A | A | A1 | A | A | D | C | A | A | B |
| Freon 113 | N/A | N/A | N/A | A | N/A | D | B | A | B | A | D | A | C |
| Freon 12 | B | A | B | A | B1 | A2 | A | A | C | A | B | A | B |
| Freon 22 | A | D | N/A | A | D | B | A | A | D | D | A | A | A |
| Freon TF | A | A | N/A | A | D | D | B | D | B | A | D | A | C |
| Freonr 11 | A | A | N/A | A | D | A | A | A | D | B | D | A | N/A |
| Fruit Juice | A | D | N/A | A | A | B | A | N/A | A | A | N/A | A | N/A |
| Fuel Oils | A | A | A | A1 | C1 | A | B | A | A | A | D | B | A |
| Furan Resin | A | N/A | N/A | B | A | D | D | A | D | D | C | A | A |
| Furfural | B | B | B | B | A1 | D | B2 | A | D | D | D | A | B |
| Gallic Acid | B | D | B | B1 | D | A | A1 | A | A | B | B | B | A |
| Gasoline (higharomatic) | A | A | A | A | D | A | A | A | A | A | D | B | N/A |
| Gasoline, leaded, ref. | A2 | N/A | A2 | A | A | B | A | A | A | A2 | D | A | N/A |

| Material / Fluid | Stainless Steel 316 | Cast Iron | Bronze | Hastelloy C | Aluminium | PP | PVDF | PPS | FKM | NBR | EPDM | PTFE | FFKM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Gasoline, unleaded | A2 | A | A2 | A | A2 | C1 | A | A | A | A1 | D | A | N/A |
| Gelatin | A2 | A | A | A | A | A | A | N/A | A | A | A | A | A |
| Glucose | A | A | N/A | A | A | A | A | B | A | A | A | A | A |
| Glue, P.V.A. | A2 | A | A | A | A | N/A | N/A | N/A | A | A | A | A | N/A |
| Glycerin | A | A | A | A | A | A | A | A | A | A | A | A | A |
| Glycolic Acid | A | N/A | N/A | A | N/A | A | B | A | D | A | A | A | A |
| Gold Monocyanide | A | D | N/A | N/A | N/A | N/A | A | N/A | N/A | A | N/A | D | N/A |
| Grape Juice | A | D | A | N/A | N/A | N/A | A | N/A | A | A | A | A | N/A |
| Grease | A | A | A | A | N/A | N/A | A | N/A | A | A | D | A | N/A |
| Heptane | A | A | A | A | A | C2 | A | A | A | A | D | A | N/A |
| Hexane | A | A | A | A | A | B1 | A | A | A | A | D | A | N/A |
| Honey | A | A | A | A | A | A | A | N/A | A | A | A | A | N/A |
| Hydraulic Oil (Petro) | A | A | A | A | A | D | A | D | A | A | D | A | A |
| Hydraulic Oil (Synthetic) | A | N/A | A | A | A | D | A | N/A | N/A | D | A | A | N/A |
| Hydrazine | A | D | N/A | N/A | N/A | C | A | N/A | D | B | A | A | B |
| Hydrobromic Acid 100% | D | D | N/A | C | D | C1 | A | A1 | A | D | A | A | A |
| Hydrobromic Acid 20% | D | D | N/A | A | D | A2 | A | N/A | A | D | A | N/A | N/A |
| Hydrochloric Acid 100% | D | D | D | A | D | B1 | A | D | B | D | D | A | A |
| Hydrochloric Acid 20% | D | D | D | A1 | D | B2 | A | D | A | N/A | A | A | A |
| Hydrochloric Acid 37% | D | D | D | B | D | C | A | D | A | B | C | A | A |
| Hydrochloric Acid, Dry Gas | D | N/A | A | A | D | B | A | A | B | N/A | N/A | A | A |
| Hydrocyanic Acid | A | D | A | A | A | A | A | B | A | B | B | A | A |
| Hydrocyanic Acid (Gas 10%) | N/A | N/A | N/A | N/A | N/A | A | N/A | N/A | A | B | A | A | A |
| Hydrofluoric Acid 100% | B1 | D | B1 | B | D | C1 | A | D | B | D | D | A | A |
| Hydrofluoric Acid 20% | D | D | B2 | B | D | A2 | A | A | A | D | D | A | A |
| Hydrofluoric Acid 50% | D | D | B2 | B | D | A2 | A | A | A | D | D | A | A |
| Hydrofluoric Acid 75% | D | D | B1 | B | D | C1 | A | B | B | D | C | A | A |
| Hydrofluosilicic Acid 100% | D | D | B2 | B | D | A | A1 | A1 | A | B | A | A | A |
| Hydrofluosilicic Acid 20% | B1 | B | B2 | B | D | A | A | A | A | A | A | A | A |
| Hydrogen Gas | A | N/A | A | A | A | A | A | A | A | A | A | A | A |
| Hydrogen Peroxide 10% | B | C | B1 | A | A | A | A | A | A | D | A | A | B |
| Hydrogen Peroxide 100% | A2 | B | B1 | A | A | B1 | A1 | C | A | D | D | A | B |
| Hydrogen Peroxide 30% | B | B | B1 | A | A | B1 | A | A1 | A | D | B | A | B |
| Hydrogen Peroxide 50% | A2 | N/A | B1 | A | A | B1 | A1 | N/A | A | D | B | A | B |
| Hydrogen Sulfide (aqua) | A | D | A | A | B | A1 | A | A | D | D | B | A | A |
| Hydrogen Sulfide (dry) | A | D | B | A | B | A1 | A | A | D | D | B | A | A |
| Hydroquinone | B | N/A | N/A | B | B | A | N/A | N/A | B | D | D | A | B |
| Hydroxyacetic Acid 70% | N/A | B | N/A | N/A | N/A | N/A | A | N/A | A | A | A | A | A |
| Ink | C | D | N/A | N/A | N/A | N/A | A | N/A | A | A | N/A | A | N/A |
| Iodine | D | D | A | A | A | C | A2 | D | A | B | B | A | A |
| Iodine (in alcohol) | N/A | N/A | B | B | B | N/A | A | N/A | N/A | N/A | A | N/A | N/A |
| Iodoform | A | N/A | N/A | D | N/A | N/A | C | N/A | N/A | D | A | C | N/A |
| Isooctane | A1 | N/A | A1 | N/A | A1 | A2 | A2 | A | A | A2 | D | A | A |
| Isopropyl Acetate | A | N/A | A1 | B | D | B1 | D | N/A | D | D | B | A | A |

| Material / Fluid | Stainless Steel 316 | Cast Iron | Bronze | Hastelloy C | Aluminium | PP | PVDF | PPS | FKM | NBR | EPDM | PTFE | FFKM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Isopropyl Ether | A | N/A | A | A | A | B | D | N/A | D | B | D | A1 | A |
| Isotane | N/A | N/A | N/A | N/A | D | D | A | N/A | A | A | N/A | N/A | N/A |
| Jet Fuel (JP3, JP4, JP5) | A | A | A | A | A | A1 | B | A | A | A | D | A | A |
| Kerosene | A | A | A | B | A | B | A | A | A | A | D | A | A |
| Ketones | A | N/A | A | A | B | C | C1 | A | D | D | A | A | N/A |
| Lacquer Thinners | A | C | A | A | A | D | N/A | N/A | D | D | D | A | A |
| Lacquers | A | C | A | A | A | D | D | N/A | D | D | D | A | A |
| Lactic Acid | B1 | D | B2 | B1 | B | B | B1 | A | A | A | A | A | A |
| Lard | A | A | A | A | A | B1 | A | N/A | A | A | D | A | A |
| Latex | A2 | N/A | N/A | A | A | A2 | A | N/A | A | A | A | A | N/A |
| Lead Acetate | B1 | A | B1 | B1 | D | A1 | A | A | A | B | A | A | A |
| Lead Nitrate | B1 | N/A | B2 | B2 | D | A2 | A2 | A | A | A2 | A2 | A1 | A |
| Lead Sulfamate | C | N/A | N/A | N/A | C | A2 | A | N/A | A | B | A | B | A |
| Ligroin | A | N/A | N/A | N/A | D | A2 | A | N/A | A | A | D | A | A |
| Lime | A | A | N/A | N/A | A | N/A | A | N/A | A | A | D | A1 | N/A |
| Linoleic Acid | A | N/A | N/A | N/A | A2 | B1 | A2 | N/A | B | B1 | D | A | A |
| Lithium Chloride | A2 | A | A2 | N/A | D | A2 | A2 | N/A | A | A2 | A1 | A | A |
| Lithium Hydroxide | B | N/A | B | B | D | N/A | N/A | N/A | C | C | N/A | A | A |
| Lubricants | A2 | A | A2 | A | A2 | A1 | A | A | A | A | D | A | A |
| Lye: Ca(OH)2 Calcium Hydroxide | B | A | D | A1 | C1 | A2 | A2 | A | A | A | A | A | B |
| Lye: KOH Potassium Hydroxide | A1 | B2 | D | B1 | D | A | A | A | B | B1 | A2 | A | C |
| Lye: NaOH Sodium Hydroxide | B1 | D | D | C | D | A | D | A | B | A1 | B1 | A | C |
| Magnesium Bisulfate | A1 | N/A | A1 | N/A | D | A2 | N/A | N/A | N/A | B | N/A | A | N/A |
| Magnesium Carbonate | B | N/A | A | B | A | A | A | N/A | A | A2 | A | A1 | N/A |
| Magnesium Chloride | D | D | B | A2 | D | A2 | A | A1 | A | A2 | A | A | A |
| Magnesium Hydroxide | A1 | A | B | A | C1 | A | A | A | A | A | A | A | C |
| Magnesium Nitrate | B | D | A | A | B | A | A | A | A | A | A | A | N/A |
| Magnesium Oxide | A | A | N/A | N/A | B | N/A | N/A | N/A | A | A | N/A | A | N/A |
| Magnesium Sulfate (Epsom Salts) | B | A | A | B | B1 | A | A | A | A | A | A | A | N/A |
| Maleic Acid | B | A | B | B | B1 | A | A | B | A | D | D | A | A |
| Maleic Anhydride | A | N/A | N/A | N/A | A | D | A | N/A | A | D | D | A | A |
| Malic Acid | A2 | N/A | B2 | B | B1 | A1 | A | N/A | A | A | D | A | A |
| Manganese Sulfate | B2 | A | A2 | A2 | B1 | N/A | A2 | A2 | A | A2 | A2 | A | A |
| Mash | A | N/A | N/A | N/A | A | N/A | N/A | N/A | N/A | A | A | N/A | N/A |
| Mayonnaise | A | D | N/A | A | A | N/A | A | N/A | A | C | N/A | A | N/A |
| Melamine | D | D | N/A | N/A | N/A | A | N/A | N/A | A | C | A | A | A |
| Mercuric Chloride (dilute) | D | D | D | C | D | B | A | A | A | A | A1 | A | A |
| Mercuric Cyanide | C | C | D | A | D | B | A | A | A | A | A1 | B | A |
| Mercurous Nitrate | A1 | N/A | N/A | A1 | D | A | A | N/A | A | B1 | A1 | A | A |
| Mercury | A | A | A | A2 | D | B | A | N/A | A | A | A | A | A |
| Methane | A | N/A | A | A | A | A | A | N/A | A | A | D | A | A |

| Material / Fluid | Stainless Steel 316 | Cast Iron | Bronze | Hastelloy C | Aluminium | PP | PVDF | PPS | FKM | NBR | EPDM | PTFE | FFKM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Methanol (Methyl Alcohol) | A | A | A | A | A1 | A2 | A | A | C | A | A | A | A |
| Methyl Acetate | B | A | A | A | A | D | B1 | N/A | D | D | B | A | A |
| Methyl Acetone | A | A | A | N/A | A | N/A | D | N/A | D | D | A1 | A | N/A |
| Methyl Acrylate | N/A | A | N/A | N/A | N/A | D | B1 | N/A | D | D | B | N/A | A |
| Methyl Alcohol 10% | A | A | A | A | A1 | A2 | A | A | C | A | A | A | A |
| Methyl Bromide | A | A | N/A | N/A | D | C | A | N/A | A | B1 | D | A | A |
| Methyl Butyl Ketone | A | N/A | N/A | N/A | N/A | D | D | N/A | D | D | A1 | N/A | A |
| Methyl Cellosolve | B | C | A | N/A | B | B | A | N/A | D | A1 | B2 | A | A |
| Methyl Chloride | A | D | B2 | B | D | D | A | B | A | D | D | A | A |
| Methyl Dichloride | N/A | N/A | N/A | N/A | N/A | D | D | N/A | A | D | D | N/A | N/A |
| Methyl Ethyl Ketone | A | A | A | A | B | B | D | A | D | D | A2 | A | A |
| Methyl Ethyl Ketone Peroxide | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | D | D | D | N/A | A |
| Methyl Isobutyl Ketone | B | C | A | A | B | A | D | A | D | D | B1 | A | A |
| Methyl Isopropyl Ketone | A | C | A | N/A | A | N/A | N/A | N/A | D | D | C1 | A | N/A |
| Methyl Methacrylate | B | C | N/A | N/A | N/A | D | B1 | N/A | D | D | D | N/A | A |
| Methylamine | A | A | A2 | N/A | A | A2 | C | N/A | C | B | A1 | A | N/A |
| Methylene Chloride | B | B | B | B | C | B1 | B1 | A | B | D | C1 | A | A |
| Milk | A | D | A | A | A | B | A2 | N/A | A | A1 | A | A | N/A |
| Mineral Spirits | A | B | A | B | A | B | N/A | A | A | A | D | A | N/A |
| Molasses | A | B | A | A | A | B | B1 | N/A | A | A | A1 | A | N/A |
| Monochloroacetic acid | A1 | D | B1 | A2 | D | N/A | B1 | N/A | B | D | C | A2 | A |
| Monoethanolamine | A | A | A | N/A | B | B | C | A | D | B1 | B | A | A |
| Morpholine | A1 | N/A | N/A | A1 | A1 | B2 | B1 | C | N/A | D | D | A2 | A |
| Motor oil | A2 | N/A | A1 | N/A | A1 | A1 | B | A | A | A | D | A | N/A |
| Mustard | A | D | A | A | B | A | A | N/A | A | B | A | A | N/A |
| Naphtha | A | B | A | B | A | B | A | A | A | A | D | B | A |
| Naphthalene | A | A | A | A | B1 | B | A2 | A | A | D | D | A | A |
| Natural Gas | A | A | A | N/A | A | A | N/A | N/A | A | A | D | A | A |
| Nickel Chloride | C | D | B1 | B | D | A | A | A | A | A1 | A1 | A | A |
| Nickel Nitrate | B2 | C | A2 | B2 | D | A2 | A2 | N/A | A | A1 | A2 | A2 | A |
| Nickel Sulfate | B1 | D | B | B | D | A | A | A | A | A1 | A1 | A | A |
| Nitrating Acid (<15% HNO3) | D | C | N/A | A | D | C | N/A | C | D | N/A | N/A | A | N/A |
| Nitrating Acid (>15% H2SO4) | C | C | N/A | A | D | C | N/A | D | D | D | A1 | A | N/A |
| Nitrating Acid (S1% Acid) | A | N/A | N/A | A | D | C | N/A | C | D | N/A | N/A | A | N/A |
| Nitrating Acid (S15% H2SO4) | C | A | N/A | A | D | C | N/A | C | D | N/A | N/A | A | N/A |
| Nitric Acid (20%) | A | D | A1 | A1 | D | A2 | A | C | A | D | A1 | A | N/A |
| Nitric Acid (50%) | A1 | D | A1 | A1 | D | B | A1 | C | A | D | D | A | B |
| Nitric Acid (510%) | A | D | A1 | A1 | A | A | A1 | B1 | A | D | A1 | A | N/A |
| Nitric Acid (Concentrated) | A1 | D | A2 | B1 | D | D | A1 | C | A | D | D | A | B |
| Nitrobenzene | B | C | A | D | B | B1 | A1 | A2 | A | D | B1 | A | A |
| Nitrogen Fertilizer | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | A | N/A |

| Material / Fluid | Stainless Steel 316 | Cast Iron | Bronze | Hastelloy C | Aluminium | PP | PVDF | PPS | FKM | NBR | EPDM | PTFE | FFKM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Nitromethane | A1 | N/A | N/A | A | A | B2 | A2 | A2 | D | D | B2 | A | A |
| Nitrous Acid | B | N/A | B | D | D | A | B | N/A | A | N/A | A | A | A |
| Nitrous Oxide | B | N/A | D | B | B | D | D | N/A | A | N/A | A | A | A |
| Oils: Aniline | A | A | A | B | D | A | A | N/A | C | D | B | A | A |
| Oils: Anise | A | A | A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| Oils: Bay | A | A | A | N/A | N/A | N/A | A | N/A | A | N/A | N/A | N/A | N/A |
| Oils: Bone | A | A | A | N/A | N/A | A | A | N/A | A | A | N/A | A | N/A |
| Oils: Castor | A | A | N/A | N/A | A | A | A | N/A | A | B | B | A | A |
| Oils: Cinnamon | A | N/A | N/A | N/A | N/A | D | N/A | N/A | N/A | N/A | N/A | A | N/A |
| Oils: Citric | A | D | N/A | A | A | A | A | N/A | A | D | B | A | N/A |
| Oils: Clove | A | N/A | N/A | A | B | N/A | N/A | N/A | N/A | A | N/A | A | N/A |
| Oils: Coconut | A | A | N/A | A | A | A1 | A | N/A | A | A | D | A | A |
| Oils: Cod Liver | A | N/A | N/A | A | A | A1 | A | N/A | A | A | A | A | A |
| Oils: Corn | A | A | N/A | A | A | A2 | A | N/A | A | D | C | A | A |
| Oils: Cottonseed | A | A | N/A | A | A | A | A | A | A | A | D | A | A |
| Oils: Creosote | B | N/A | A | B | B | C | N/A | N/A | A | D | D | A | A |
| Oils: Diesel Fuel (20, 30, 40, 50) | A | A | A | B | A | A1 | A | A | A | A | D | A | A |
| Oils: Fuel (1, 2, 3, 5A, 5B, 6) | A | A | A | A1 | C1 | B | B | A | A | B | D | A | A |
| Oils: Ginger | D | N/A | D | N/A | N/A | N/A | A | N/A | N/A | A | A | A | N/A |
| Oils: Hydraulic Oil (Petro) | A | A | A | A | A | D | A | D | A | A | D | A | A |
| Oils: Hydraulic Oil (Synthetic) | A | N/A | A | A | A | D | A | N/A | N/A | D | A | A | N/A |
| Oils: Lemon | A | N/A | A | N/A | A | N/A | A | N/A | A | N/A | D | A | N/A |
| Oils: Linseed | A | N/A | A | B | B | A | A | B | A | A | D | A | A |
| Oils: Mineral | A | N/A | A | A | A | A | A | A | A | A | D | A | A |
| Oils: Olive | A | N/A | A | A | A | A | N/A | N/A | A | D | D | A1 | A |
| Oils: Orange | A | N/A | A | A | A | A | A | N/A | A | A | N/A | N/A | N/A |
| Oils: Palm | A | A | A | N/A | N/A | N/A | A | N/A | A | A | A | A | N/A |
| Oils: Peanut | A | A | A | N/A | A | D | A | N/A | A | A | D | A | A |
| Oils: Peppermint | A | N/A | A | N/A | D | N/A | A | N/A | A | D | N/A | A | N/A |
| Oils: Pine | A | C | A | N/A | A | B | A | N/A | A | D | D | A | A |
| Oils: Rapeseed | A | A | A | N/A | N/A | D | A | N/A | A | D | A | A | A |
| Oils: Rosin | A1 | N/A | B1 | A | B1 | A2 | A | N/A | A | A | N/A | A | N/A |
| Oils: Sesame Seed | A | A | A | N/A | N/A | A | A | N/A | A | A | N/A | A | N/A |
| Oils: Silicone | A | A | A | A | A | A | A | A1 | A | A | A | A | A |
| Oils: Soybean | A | A | A | A | A | A1 | A | N/A | A | A | C | A | A |
| Oils: Sperm (whale) | A | A | A | N/A | N/A | N/A | A | N/A | N/A | A | N/A | A | N/A |
| Oils: Tanning | A | N/A | A | N/A | N/A | N/A | A | N/A | A | A | N/A | N/A | N/A |
| Oils: Transformer | A | N/A | N/A | N/A | A | B | A | N/A | A | A | D | A | A |
| Oils: Turbine | A | A | A | N/A | A | B1 | A | N/A | A | B | A | A | A |
| Oleic Acid | A | N/A | B1 | A2 | A | B1 | A | A | A | B | B | A | A |
| Oleum 100% | A | N/A | D | D | B | D | D | A1 | B | D | D | A | N/A |
| Oleum 25% | B | N/A | B | A | B | D | C1 | A1 | B | D | D | A | N/A |
| Oxalic Acid (cold) | A | C | B2 | B | A | A2 | B | A | A | D | A | A1 | A |

| Material / Fluid | Stainless Steel 316 | Cast Iron | Bronze | Hastelloy C | Aluminium | PP | PVDF | PPS | FKM | NBR | EPDM | PTFE | FFKM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ozone | A | N/A | B | N/A | B | B | A | N/A | A | D | A | A | B |
| Palmitic Acid | A1 | N/A | A | B | B | B1 | A2 | N/A | A | A2 | B1 | A2 | A |
| Paraffin | A | N/A | A | B | A | A1 | A | N/A | A | B | D | A | N/A |
| Pentane | C | N/A | C | A | B | D | A | N/A | A | A | D | A | N/A |
| Perchloric Acid | C | N/A | B | B | D | C | A | N/A | A | D | B | A | B |
| Perchloroethylene | A1 | A | B | B | C | D | A | A | A | C | D | A | A |
| Petrolatum | A | N/A | A | A | N/A | D | A | N/A | A | A | A | C | A |
| Petroleum | A1 | N/A | A1 | N/A | D | B1 | A | N/A | A | A2 | D | A2 | N/A |
| Phenol (10%) | B | D | B | B | A | B1 | A | A | A | D | B | A | N/A |
| Phenol (Carbolic Acid) | B | D | B | A | A | B | A1 | A | A | D | B | A | A |
| Phosphoric Acid (>40%) | D | D | B | A2 | C | A2 | B | A | A | D | B | A | A |
| Phosphoric Acid (crude) | B | D | B | A2 | C | B2 | A | A | A | D | B | A | N/A |
| Phosphoric Acid (molten) | C | N/A | N/A | C | C | D | D | N/A | D | N/A | N/A | N/A | N/A |
| Phosphoric Acid (S40%) | C | D | B | A2 | C | A2 | B | A | D | D | B | A | N/A |
| Phosphoric Acid Anhydride | N/A | N/A | N/A | N/A | C | A | D | D | D | D | N/A | N/A | N/A |
| Phosphorus | A2 | N/A | A2 | A2 | B | A | A1 | N/A | N/A | N/A | N/A | A2 | N/A |
| Phosphorus Trichloride | A2 | N/A | N/A | A2 | D | N/A | A2 | A | A | D | A1 | A2 | N/A |
| Photographic Developer | A | D | A | B | N/A | A | N/A | N/A | A | A | B | A | N/A |
| Photographic Solutions | N/A | N/A | A2 | B2 | N/A | A2 | B2 | A2 | A | B | A1 | A2 | N/A |
| Phthalic Acid | A | N/A | B2 | B2 | B2 | A | A2 | N/A | A | D | A1 | A2 | N/A |
| Phthalic Anhydride | A | N/A | A | A | A | D | A | N/A | A | D | A | A | N/A |
| Picric Acid | B | A | B | B | C | B1 | A1 | A | A | C | B | A | A |
| Plating Solutions, Antimony Plating 130°F | A | A | A | A | A | A | A | N/A | N/A | A | N/A | A | N/A |
| Plating Solutions, Arsenic Plating 110°F | A | A | A | A | A | A | A | N/A | N/A | A | N/A | A | N/A |
| Plating Solutions, Brass Plating: HighSpeed Brass Bath 110°F | A | A | N/A | A | A | A | B | N/A | N/A | A | N/A | A | N/A |
| Plating Solutions, Brass Plating: Regular Brass Bath 100°F | A | A | A | A | A | A | B | N/A | N/A | A | N/A | A | N/A |
| Plating Solutions, Bronze Plating: CuCd Bronze Bath R.T. | A | A | N/A | A | A | A | A | N/A | N/A | A | A | A | N/A |
| Plating Solutions, Bronze Plating: CuSn Bronze Bath 160°F | A | A | N/A | A | A | A | A | N/A | N/A | A | A | A | N/A |
| Plating Solutions, Bronze Plating: CuZn Bronze Bath 100°F | A | A | N/A | A | A | A | A | N/A | N/A | A | N/A | A | N/A |
| Plating Solutions, Cadmium Plating: Cyanide Bath 90°F | A | A | N/A | A | A | A | A | N/A | N/A | A | N/A | A | N/A |
| Plating Solutions, Cadmium Plating: Fluoborate Bath 100°F | A | D | N/A | D | A | A | A | N/A | N/A | B | N/A | A | N/A |

| Material / Fluid | Stainless Steel 316 | Cast Iron | Bronze | Hastelloy C | Aluminium | PP | PVDF | PPS | FKM | NBR | EPDM | PTFE | FFKM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Plating Solutions, Chromium Plating: Barrel Chrome Bath 95°F | D | C | N/A | D | A | A | C | N/A | N/A | D | N/A | A | N/A |
| Plating Solutions, Chromium Plating: Black Chrome Bath 115°F | C | A | N/A | D | A | A | C | N/A | N/A | C | N/A | A | N/A |
| Plating Solutions, Chromium Plating: ChromicSulfuric Bath 130°F | C | A | N/A | D | A | A | C | N/A | N/A | D | N/A | A | N/A |
| Plating Solutions, Chromium Plating: Fluoride Bath 130°F | D | C | N/A | D | A | A | C | N/A | N/A | D | N/A | A | N/A |
| Plating Solutions, Chromium Plating: Fluosilicate Bath 95°F | C | C | N/A | D | A | D | C | N/A | N/A | D | N/A | A | N/A |
| Plating Solutions, Copper Plating (Acid): Copper Fluoborate Bath 120°F | D | D | N/A | D | A | A | A | N/A | N/A | B | N/A | A | N/A |
| Plating Solutions, Copper Plating (Acid): Copper Sulfate Bath R.T. | D | A | N/A | D | A | A | A | N/A | N/A | A | N/A | A | N/A |
| Plating Solutions, Copper Plating (Cyanide): Copper Strike Bath 120°F | A | A | N/A | A | N/A | A | B | N/A | N/A | A | N/A | A | N/A |
| Plating Solutions, Copper Plating (Cyanide): High-Speed Bath 180°F | A | A | N/A | A | A | A | A | N/A | N/A | A | N/A | A | N/A |
| Plating Solutions, Copper Plating (Cyanide): Rochelle Salt Bath 150°F | A | A | N/A | A | A | A | A | N/A | N/A | A | N/A | A | N/A |
| Plating Solutions, Copper Plating (Misc): Copper (Electroless) | N/A | N/A | N/A | N/A | A | A | A | N/A | N/A | D | N/A | A | N/A |
| Plating Solutions, Copper Plating (Misc): Copper Pyrophosphate | A | A | N/A | A | A | A | A | N/A | N/A | A | N/A | A | N/A |
| Plating Solutions, Gold Plating: Acid 75°F | C | N/A | N/A | A | N/A | A | N/A | N/A | N/A | A | N/A | A | N/A |
| Plating Solutions, Gold Plating: Cyanide 150°F | A | N/A | N/A | A | N/A | A | N/A | N/A | N/A | A | N/A | A | N/A |
| Plating Solutions, Gold Plating: Neutral 75°F | C | N/A | N/A | A | N/A | A | N/A | N/A | N/A | A | N/A | A | N/A |
| Plating Solutions, Indium Sulfamate Plating R.T. | C | N/A | N/A | A | N/A | A | N/A | N/A | N/A | A | N/A | A | N/A |
| Plating Solutions, Iron Plating: Ferrous Am Sulfate Bath 150°F | C | N/A | N/A | A | N/A | A | N/A | N/A | N/A | A | N/A | A | N/A |

| Material / Fluid | Stainless Steel 316 | Cast Iron | Bronze | Hastelloy C | Aluminium | PP | PVDF | PPS | FKM | NBR | EPDM | PTFE | FFKM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Plating Solutions, Iron Plating: Ferrous Chloride Bath 190°F | D | N/A | N/A | D | N/A | C | N/A | N/A | N/A | B | N/A | A | N/A |
| Plating Solutions, Iron Plating: Ferrous Sulfate Bath 150°F | C | N/A | N/A | A | N/A | A | N/A | N/A | N/A | A | N/A | A | N/A |
| Plating Solutions, Iron Plating: Fluoborate Bath 145°F | D | N/A | N/A | B | N/A | A | N/A | N/A | N/A | B | N/A | A | N/A |
| Plating Solutions, Iron Plating: Sulfamate 140°F | D | N/A | N/A | B | N/A | A | N/A | N/A | N/A | A | N/A | A | N/A |
| Plating Solutions, Iron Plating: SulfateChloride Bath 160°F | D | N/A | N/A | D | N/A | A | N/A | N/A | N/A | B | N/A | A | N/A |
| Plating Solutions, Lead Fluoborate Plating | C | N/A | N/A | A | N/A | A | N/A | N/A | N/A | B | N/A | A | N/A |
| Plating Solutions, Nickel Plating: Electroless 200°F | N/A | N/A | N/A | N/A | N/A | D | N/A | N/A | N/A | D | N/A | A | N/A |
| Plating Solutions, Nickel Plating: Fluoborate 100170°F | C | N/A | N/A | A | N/A | A | N/A | N/A | N/A | B | N/A | A | N/A |
| Plating Solutions, Nickel Plating: HighChloride 130160°F | C | N/A | N/A | A | N/A | A | N/A | N/A | N/A | A | N/A | A | N/A |
| Plating Solutions, Nickel Plating: Sulfamate 100140°F | C | N/A | N/A | A | N/A | A | N/A | N/A | N/A | A | N/A | A | N/A |
| Plating Solutions, Nickel Plating: Watts Type 115160°F | C | N/A | N/A | A | N/A | A | N/A | N/A | N/A | A | N/A | A | N/A |
| Plating Solutions, Rhodium Plating 120°F | D | N/A | N/A | D | N/A | A | N/A | N/A | N/A | A | A | A | N/A |
| Plating Solutions, Silver Plating 80120°F | A | N/A | N/A | A | N/A | A | N/A | N/A | N/A | A | A | A | N/A |
| Plating Solutions, Tin-Fluoborate Plating 100°F | C | N/A | N/A | A | N/A | A | N/A | N/A | N/A | B | N/A | A | N/A |
| Plating Solutions, TinLead Plating 100°F | C | N/A | N/A | A | N/A | A | N/A | N/A | N/A | B | N/A | A | N/A |
| Plating Solutions, Zinc Plating: Acid Chloride 140°F | D | N/A | N/A | D | N/A | A | N/A | N/A | N/A | A | N/A | A | N/A |
| Plating Solutions, Zinc Plating: Acid Fluoborate Bath R.T. | C | N/A | N/A | A | N/A | A | N/A | N/A | N/A | B | N/A | A | N/A |
| Plating Solutions, Zinc Plating: Acid Sulfate Bath 150°F | C | N/A | N/A | A | N/A | A | N/A | N/A | N/A | A | N/A | A | N/A |

| Material / Fluid | Stainless Steel 316 | Cast Iron | Bronze | Hastelloy C | Aluminium | PP | PVDF | PPS | FKM | NBR | EPDM | PTFE | FFKM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Plating Solutions, Zinc Plating: Alkaline Cyanide Bath R.T. | A | N/A | N/A | A | N/A | A | N/A | N/A | N/A | A | N/A | A | N/A |
| Potash (Potassium Carbonate) | B | C | B | B | D | A | A | N/A | A | A | A1 | N/A | A |
| Potassium Bicarbonate | B | A | B | B | D | A | B | A | A | A | A | A | A |
| Potassium Bromide | B | D | B | B | C1 | A | A | A | A | A | A1 | A | A |
| Potassium Chlorate | B | C | B1 | B | B | A | A | A | A | A1 | A1 | A | A |
| Potassium Chloride | A1 | A | B | A | D | A | A | A | A | A1 | A1 | A | A |
| Potassium Chromate | B1 | A | B1 | A | B1 | A | B | N/A | A | A1 | A2 | A1 | A |
| Potassium Cyanide Solutions | B1 | B | D | B | D | A | A | A | A | A1 | A1 | A | A |
| Potassium Dichromate | B1 | A | B1 | B | B | A | A | A | A | A1 | A1 | A | A |
| Potassium Ferricyanide | B1 | C | B2 | B2 | B2 | A2 | A2 | N/A | A | D | A | A2 | A |
| Potassium Ferrocyanide | B | C | B1 | B | B1 | A | A | N/A | A | D | A | A | A |
| Potassium Hydroxide (Caustic Potash) | A1 | B2 | D | B1 | D | A | A | A | B | B1 | A2 | A | C |
| Potassium Hypochlorite | B | A | D | B2 | D | N/A | A1 | A | D | A1 | A1 | A2 | A |
| Potassium Iodide | A1 | A | A1 | A2 | B1 | A2 | A2 | A2 | A | A1 | A | A2 | A |
| Potassium Nitrate | B | A | B1 | B1 | B | A | A | A | A | A2 | A | A | A |
| Potassium Oxalate | B1 | A | A1 | A1 | B1 | N/A | N/A | N/A | N/A | N/A | N/A | A2 | N/A |
| Potassium Permanganate | B | A | A1 | A1 | B1 | A1 | A | A | A | C | A | A | A |
| Potassium Sulfate | A | A | A1 | B1 | C | A | A | A | A | A2 | A1 | A | A |
| Potassium Sulfide | B | B | D | N/A | D | A | A | A | A | A | A | A | A |
| Propane (liquefied) | A | A | A2 | A | A | A | A | N/A | A | A | D | A | A |
| Propylene | A1 | A | N/A | N/A | A | N/A | N/A | N/A | A | D | D | A2 | A |
| Propylene Glycol | B | A | A | B | B | A2 | N/A | N/A | A | A | A | A | A |
| Pyridine | A | A | B | B | B | A2 | D | A | D | D | B | A | A |
| Pyrogallic Acid | B | D | A | B | B | A | A | N/A | A | N/A | B | A | A |
| Resorcinal | N/A | N/A | N/A | N/A | N/A | A2 | N/A | N/A | A | N/A | B1 | A2 | N/A |
| Rosins | A1 | D | B | N/A | B1 | A2 | N/A | N/A | A | A2 | N/A | A | A |
| Rum | A | N/A | A | N/A | N/A | A | N/A | N/A | A | A | A | N/A | N/A |
| Rust Inhibitors | A | C | A | N/A | N/A | A | N/A | N/A | A | A | N/A | N/A | N/A |
| Salad Dressings | A | D | N/A | N/A | B | A | N/A | N/A | N/A | A | N/A | N/A | N/A |
| Salicylic Acid | B2 | A | A | A2 | B2 | A1 | A | N/A | A | B | A | A2 | A |
| Salt Brine (NaCl saturated) | A2 | D | B2 | A2 | B1 | A | A | A | A | A | A | A2 | B |
| Sea Water | C | D | A | A | B | A | A | A | A | A2 | A2 | A | B |
| Shellac (Bleached) | A | A | A | N/A | A | A | N/A | N/A | A | A2 | A2 | A | N/A |
| Shellac (Orange) | A | A | A | N/A | A | A | N/A | N/A | A | A | A | A | N/A |
| Silicone | A | A | N/A | N/A | A | A | A | A1 | A | A | A | A | A |
| Silver Bromide | D | D | D | A | D | N/A | N/A | N/A | N/A | N/A | N/A | A | N/A |
| Silver Nitrate | B | C | B | A | D | A1 | A | A | A | B | A | A | A |
| Soap Solutions | A1 | A | B | A | C | A | A1 | A | A | A | A | A | B |
| Soda Ash (see Sodium Carbonate) | A | B | B | N/A | D | A | A | A | A | A1 | A2 | A | A |
| Sodium Acetate | B1 | B | B | A | B | A | A | A | D | B | A | A | A |

| Material / Fluid | Stainless Steel 316 | Cast Iron | Bronze | Hastelloy C | Aluminium | PP | PVDF | PPS | FKM | NBR | EPDM | PTFE | FFKM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sodium Aluminate | A | A | A | B | N/A | N/A | N/A | A | A | A | A | A | A |
| Sodium Benzoate | N/A | N/A | A | A1 | A1 | A2 | A2 | N/A | A | B | A | A2 | N/A |
| Sodium Bicarbonate | A1 | C | A | B1 | D | A | A | A | A | A1 | A2 | A | A |
| Sodium Bisulfate | C | D | A2 | B2 | D | A | A | A | A | B2 | A2 | A | A |
| Sodium Bisulfite | B1 | D | B1 | B | D | A | A | A | A | A2 | A2 | A | A |
| Sodium Borate (Borax) | B | N/A | A | A | C | A2 | A | A | A | A1 | A | A | A |
| Sodium Bromide | C | C | A | N/A | D | N/A | A2 | N/A | A | N/A | A | A2 | N/A |
| Sodium Carbonate | A | B | A2 | A | D | A | A | A | A | A | A2 | A | A |
| Sodium Chlorate | B1 | N/A | B1 | B1 | C1 | A | A | A | A | B | A | A | N/A |
| Sodium Chloride | B | D | B | A | C | A | A | A | A | A | A | A | A |
| Sodium Chromate | B | A | B | A | B | N/A | A | A | A | A | N/A | A | N/A |
| Sodium Cyanide | B1 | A | D | A | D | A | A | A | A | A | A2 | A | A |
| Sodium Ferrocyanide | B | N/A | N/A | A | A | A | A | N/A | A | A | A | A | A |
| Sodium Fluoride | D | C | A | A | B | A | A | N/A | A | A1 | A | A1 | A |
| Sodium Hydrosulfite | N/A | N/A | N/A | A | A | N/A | N/A | N/A | B | C | B | A | A |
| Sodium Hydroxide (20%) | B2 | A2 | B | B | D | A | A | A | D | A | B | A | C |
| Sodium Hydroxide (50%) | B1 | D | C | C | D | A | A | A | D | A1 | B1 | A | C |
| Sodium Hydroxide (80%) | B1 | D | C | A1 | D | A | A | A | D | D | B1 | A1 | C |
| Sodium Hypochlorite (<20%) | C | D | C | A | D | A | A | A | A | B | B | A | N/A |
| Sodium Hypochlorite (100%) | D | D | C | B | D | B | A | A | A | D | B1 | A | A |
| Sodium Hyposulfate | A | D | N/A | N/A | D | N/A | N/A | N/A | N/A | N/A | N/A | A | N/A |
| Sodium Metaphosphate | A | C | A | N/A | C | A1 | A | N/A | A | A | A | A | A |
| Sodium Metasilicate | A | A1 | A | A | D | A | N/A | N/A | A | A | A1 | A | A |
| Sodium Nitrate | B1 | B | B | B | B | A | A | A | A | A1 | A | A | A |
| Sodium Perborate | B | C | B | B | C | A | N/A | N/A | A | B | A | A | A |
| Sodium Peroxide | A | C | A | B | C | B | A | N/A | A | B | A | A | A |
| Sodium Polyphosphate | B | D | B | A | D | A | A | N/A | A | A | A | A | N/A |
| Sodium Silicate | B | B | B | B | A | A | A | A | A | A | A | A | A |
| Sodium Sulfate | B1 | B | B | B | A | A | A | A | A | A | A | A | A |
| Sodium Sulfide | D | C | B1 | B1 | D | A | A | A | A | A | A2 | A | A |
| Sodium Sulfite | A | A1 | B | B | C1 | A2 | A | N/A | A | A | A | A | A |
| Sodium Tetraborate | A | N/A | A | N/A | C | N/A | N/A | N/A | A | A | A | A | A |
| Sodium Thiosulfate (hypo) | B | C | A2 | A2 | A | A2 | A | A | N/A | B | A2 | A | N/A |
| Sorghum | A | A | A | N/A | N/A | N/A | N/A | N/A | A | A | N/A | N/A | N/A |
| Soy Sauce | A | D | A | N/A | A | N/A | N/A | N/A | A | A | N/A | N/A | N/A |
| Stannic Chloride | D | D | A | B | D | A | A | A | A | A | A | A | B |
| Stannic Fluoborate | A | D | N/A | N/A | N/A | N/A | N/A | N/A | A | A | N/A | N/A | N/A |
| Stannous Chloride | A2 | N/A | A1 | B | D | A | A | A1 | A | A | C | A | A |
| Starch | A | C | N/A | N/A | A | A2 | N/A | N/A | A | A | A | A | N/A |
| Stearic Acid | A | C | B | B | B | A2 | A | N/A | A | B | B | A | A |
| Stoddard Solvent | A | A | A | A | A | C | A | A | A | A | D | A | A |
| Styrene | A | A | A | D | A | N/A | N/A | N/A | B | D | D | A | A |
| Sugar (Liquids) | A | N/A | A | A | A | A | N/A | N/A | A | A | A | A | N/A |

| Material / Fluid | Stainless Steel 316 | Cast Iron | Bronze | Hastelloy C | Aluminium | PP | PVDF | PPS | FKM | NBR | EPDM | PTFE | FFKM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sulfate (Liquors) | B | C | B | B | D | A | A | N/A | A | A2 | A | A | A |
| Sulfur Chloride | D | D | B | A | D | C1 | A1 | N/A | A | D | D | A | A |
| Sulfur Dioxide | A1 | N/A | B | C | B | A1 | A | A | A | D | A2 | A | A |
| Sulfur Dioxide (dry) | A | A | B | B | B | A1 | A | A | A | D | A2 | A | A |
| Sulfur Hexafluoride | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | D | B | B | N/A | B |
| Sulfur Trioxide | C | B | C | N/A | A | C | N/A | N/A | A | D | C2 | A | B |
| Sulfur Trioxide (dry) | A | A | B | B | A | D | C1 | N/A | A | D | C1 | A | B |
| Sulfuric Acid (<10%) | B | C | B | B1 | D | A2 | A | A | A | A1 | A | A | A |
| Sulfuric Acid (1075%) | D | D | B | B1 | D | A1 | A | A | A | B1 | B2 | A | A |
| Sulfuric Acid (75100%) | D | D | B | B1 | D | C1 | A | A1 | A | C | B1 | A | A |
| Sulfuric Acid (cold concentrated) | B | D | B | A1 | B | A2 | A | A1 | A | D | C | A | A |
| Sulfuric Acid (hot concentrated) | C | D | B | D | D | D | C | D | D | D | D | A | N/A |
| Sulfurous Acid | B | D | B | B | B1 | A | A | A | A | B1 | B | A | N/A |
| Sulfuryl Chloride | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | A | N/A |
| Tallow | A | N/A | N/A | N/A | A | A2 | N/A | N/A | A | A | A | A | A |
| Tannic Acid | A | C | B | B1 | C | A | B | A | B | A | A | A | A |
| Tanning Liquors | A2 | N/A | A2 | B | A | A1 | N/A | N/A | A | B1 | B | A | N/A |
| Tartaric Acid | C2 | C | B1 | B | B1 | A | B | A | A | A | B | A | A |
| Tetrachloroethane | A | A | N/A | A | C | C | A | N/A | A | D | D | A | A |
| Tetrachloroethylene | A | A | N/A | N/A | N/A | D | N/A | N/A | A | D | D | A | A |
| Tetrahydrofuran | A | N/A | A | A | N/A | C2 | B1 | A | D | D | D | A | A |
| Tin Salts | D | N/A | N/A | C | D | A | A | N/A | A | A | B | A | N/A |
| Toluene (Toluol) | A | A | A | A | A | C1 | A1 | A | A | D | D | A | A |
| Tomato Juice | A | N/A | A | N/A | A | A | A | A | A | A | A | A | N/A |
| Trichloroacetic Acid | C | D | N/A | B | D | A | B | A | D | N/A | B | A | A |
| Trichloroethane | B | B | A | A | D | C | A | N/A | A | D | D | A | A |
| Trichloroethylene | B | C | B | A | D | C1 | B | A1 | D | D | D | A | A |
| Trichloropropane | A | A | A | A | D | N/A | N/A | N/A | A | D | N/A | A1 | A |
| Tricresylphosphate | B | B | A2 | A | D | A1 | D | N/A | A | D | A | A | A |
| Triethylamine | A | A | N/A | N/A | N/A | D | A2 | N/A | A | C | A | A | A |
| Trisodium Phosphate | B | N/A | A | A | D | A | A | A | A | A | A | A | A |
| Turpentine | A | N/A | A | B | A | D | A | A | A | N/A | D | A | A |
| Urea | B | N/A | B | B | B | A | A | A | A | B | A | A | N/A |
| Uric Acid | B | D | B | B | D | N/A | N/A | N/A | N/A | N/A | N/A | A | A |
| Urine | A | A | A | N/A | B | A | A | N/A | A | A1 | A1 | A1 | N/A |
| Varnish | A | C | N/A | A | A | A | N/A | N/A | A | B | D | A | A |
| Vegetable Juice | A | D | A | N/A | D | N/A | N/A | N/A | A | A2 | A | A | N/A |
| Vinegar | A | D | A | A | D | A | B | A | A | B | A | A | N/A |
| Vinyl Acetate | B | B | N/A | N/A | A1 | B1 | A2 | N/A | A | D | B2 | A2 | A |
| Vinyl Chloride | A1 | B | A2 | A2 | B1 | N/A | B1 | N/A | N/A | D | C | A2 | A |
| Water, Acid, Mine | B | D | A | A | D | A | A | A | A | A | A | A | N/A |
| Water, Deionized | A2 | D | N/A | A2 | A2 | A2 | A2 | A | A | A1 | A1 | A2 | D |
| Water, Distilled | A | D | A | A | A | A | A | A | A | A | A | A | N/A |

| Material / Fluid | Stainless Steel 316 | Cast Iron | Bronze | Hastelloy C | Aluminium | PP | PVDF | PPS | FKM | NBR | EPDM | PTFE | FFKM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Water, Fresh | A | D | A1 | A | B | A | A | A | A | A | A | A | B |
| Water, Salt | B | D | A | A | B | A | A | A | A | A | A | A | B |
| Weed Killers | A | N/A | N/A | N/A | D | N/A | N/A | N/A | N/A | A | N/A | N/A | N/A |
| Whey | A | N/A | N/A | N/A | B | N/A | N/A | N/A | N/A | A | N/A | A | N/A |
| Whiskey & Wines | A | D | A | N/A | C1 | A | A | N/A | A | A | A | A | B |
| White Liquor (Pulp Mill) | A | C | A | A | B | A1 | A1 | N/A | A | A | N/A | A | D |
| White Water (Paper Mill) | A | A | N/A | N/A | N/A | A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| Xylene | B | B | A | A | A1 | B | A | A | A | D | D | A | A |
| Zinc Chloride | B | D | B1 | B | D | A | A | A | A | A | A | A | A |
| Zinc Hydrosulfite | A | D | N/A | N/A | D | N/A | N/A | A | N/A | A | A | A | A |
| Zinc Sulfate | A | D | B | A2 | D | A | A | A | A | A | A | A | A |