

Chemical Compatibility Guide for: Drum Pumps

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352842
Last revised 17/6/16

FLUID COMPATIBILITY CHART

These recommendations are based upon information from material suppliers and careful examination of available published information and are believed to be accurate. However, since the resistance of metals, plastics and elastomers can be affected by concentration, temperature, presence of other chemicals and other factors, this information should be considered as a general guide only, rather than an unqualified guarantee. Ultimately the customer must determine the suitability of the pump used in various solutions. This data sheet is offered as an aid and a guide only and takes no responsibility for customers' pump selection based upon the information contained herein.

All recommendations assume ambient temperatures unless otherwise noted.

RATINGS – CHEMICAL EFFECT

- A – No effect – Acceptable
- B – Minor effect – Acceptable
- C – Moderate effect – Questionable
- D – Severe effect – Not Recommended

1. P.V.C – Satisfactory to 72° F.
2. Polypropylene – Satisfactory to 72° F.
3. Polypropylene – Satisfactory to 120° F.
4. Buna-N – Satisfactory for "O" Rings.

5. Polyacetal – Satisfactory to 72° F.
6. Ceramag – Satisfactory to 72° F.

The ratings for these materials are based upon the chemical resistance only. Added consideration must be given to pump selections when the chemical is abrasive, viscous in nature, or has a Specific Gravity greater than 1.1

| | 302 Stainless Steel | 304 Stainless Steel | 316 Stainless Steel | 440 Stainless Steel | Aluminum | TITANIUM | HASTELLOY C | Cast Bronze | Brass | Cast Iron | Carbon Steel | PVC (Type 1) | Tygon (E-3606) | Teflon | Noryl | Polyacetal | Nylon | Cyrolac (ABS) | Polyethylene | POLYPROPYLENE | RYTON | CARBON | CERAMIC | CERAMAGNET "A" | VITON | BUNA N (NITRILE) | Silicon | Neoprene | Ethylene Propylene | Rubber (Natural) | Epoxy |
|-------------------------------------|---------------------|---------------------|---------------------|---------------------|----------|----------|-------------|-------------|-------|-----------|--------------|--------------|----------------|--------|-------|------------|-------|---------------|--------------|---------------|-------|--------|---------|----------------|-------|------------------|---------|----------|--------------------|------------------|-------|
| Acetalehyde ⁵ | A | A | A | - | B | A | A | D | - | - | C | D | D | A | - | A | A | D | C | B | A | A | - | A | B | B | D | B | C | A | |
| Acetamide | - | B | A | - | - | - | - | - | - | - | C | - | - | - | - | B | - | - | - | - | - | - | - | A | - | A | - | A | A | D | A |
| Acetate Solv. ² | A | B | A | B | B | - | - | A | C | B | A | B | D | A | - | A | - | B | D | - | A | A | - | D | D | - | D | - | - | - | A |
| Acetic Acid, Glacial ¹ | - | B | A | A | B | A | A | C | C | D | A | C | B | A | C | D | D | D | B | B | A | A | - | D | D | B | C | B | C | B | |
| Acetic Acid 20% | - | - | A | - | - | A | A | - | C | - | - | B | - | A | A | - | D | - | - | A | A | - | A | - | D | C | - | C | - | B | |
| Acetic Acid 80% | - | - | A | - | - | A | A | - | C | - | - | D | - | A | B | - | D | - | - | B | - | - | - | A | - | D | C | - | D | - | B |
| Acetic Acid | - | B | A | B | B | A | A | C | C | D | C | A | B | A | A | D | D | C | B | A | A | A | - | C | C | - | C | - | B | C | A |
| Acetic Anhydride | B | A | A | B | B | A | A | C | D | B | D | D | D | A | D | D | D | D | A | A | A | A | - | D | A | C | B | B | C | A | |
| Acetone ⁵ | A | A | A | B | A | A | A | A | A | A | A | D | D | A | D | B | A | D | C | B | A | A | - | A | D | D | B | C | A | D | B |
| Acetyl Chloride | - | C | A | - | - | - | - | D | - | - | - | - | - | A | - | - | - | - | - | A | - | - | - | - | - | - | - | - | - | A | A |
| Acetylene ² | A | A | A | A | A | - | - | B | - | A | A | B | - | - | - | A | A | - | - | D | A | A | - | A | - | A | C | B | A | C | A |
| Acrylonitrile | A | A | C | - | B | - | B | A | - | C | - | - | - | - | - | B | - | D | - | B | A | A | - | C | D | - | D | D | - | - | A |
| Alcohols | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Amyl | A | A | A | - | C | A | A | A | B | C | C | A | B | A | C | A | A | B | B | B | A | A | - | A | A | D | A | A | C | A | A |
| Benzyl | - | A | A | - | B | A | A | A | C | - | - | D | B | - | A | A | A | D | D | A | - | A | A | - | A | D | - | B | B | D | A |
| Butyl | A | A | A | - | B | B | A | B | C | C | C | A | B | A | A | A | A | - | B | B | A | A | - | A | A | D | A | A | A | A | A |
| Diacetone ² | - | A | A | - | A | A | A | A | C | - | A | D | - | - | A | A | A | - | - | D | - | A | A | - | D | D | - | D | A | D | A |
| Ethyl (Ethanol) | - | A | A | A | B | A | A | A | C | A | A | A | C | - | A | B | A | B | B | A | - | A | A | - | A | A | B | A | B | A | A |
| Hexyl | - | A | A | - | A | A | A | A | C | - | A | A | - | - | A | A | A | - | - | A | - | - | A | - | A | A | D | B | A | A | A |
| Isobutyl | - | A | A | - | B | A | A | A | C | - | A | - | - | - | A | A | A | B | - | - | - | - | - | A | - | A | C | B | A | A | A |
| Isopropyl | - | A | A | - | B | A | A | A | C | C | A | - | - | - | A | A | A | - | - | A | - | - | - | A | C | C | B | A | A | A | |
| Methyl ⁴ (Methanol) | - | A | A | A | B | A | A | A | C | A | A | B | - | A | A | C | A | D | B | A | - | A | A | A | C | B | - | A | A | A | A |
| Octyl | - | A | A | - | A | A | A | A | C | - | A | - | - | - | A | A | A | - | - | - | - | - | - | A | B | - | B | A | C | A | A |
| Propyl | - | A | A | - | A | A | A | A | - | - | A | A | - | - | A | A | A | - | - | A | - | - | - | A | A | B | A | A | A | A | A |
| Aluminum Chloride 20% | - | D | C | D | B | A | A | D | - | D | A | A | B | - | A | C | A | - | B | A | A | A | - | A | A | - | A | A | - | - | - |
| Aluminum Chloride | C | D | C | - | D | C | A | C | - | D | B | A | A | A | A | - | D | - | - | A | A | A | - | A | A | C | A | - | - | - | - |
| Aluminum Fluoride | - | D | C | D | - | D | B | - | - | - | A | A | - | - | A | C | D | - | B | A | - | A | - | A | A | C | A | - | C | - | - |
| Aluminum Hydroxide ⁶ | - | A | A | A | A | - | - | A | - | D | A | A | - | - | A | B | A | - | - | A | - | - | - | A | A | A | - | A | - | - | - |
| Alum Potassium Sulfate (Alum), 10% | - | A | - | - | A | - | B | - | - | D | A | A | - | - | A | - | A | - | A | - | - | - | - | A | - | A | - | - | - | - | - |
| Alum Potassium Sulfate (Alum), 100% | - | D | A | B | B | - | B | C | - | - | A | A | B | A | A | C | D | - | B | A | - | A | - | A | A | - | A | - | - | - | - |
| Aluminum Sulfate | - | C | C | A | A | A | A | C | C | D | A | A | B | A | A | C | A | - | B | A | A | A | - | A | A | - | A | A | - | - | - |
| Amines | A | A | A | - | A | B | A | B | - | A | B | C | A | A | B | D | A | - | - | - | - | - | - | A | A | - | D | D | C | B | C |
| Ammonia 10% | - | - | A | - | - | A | A | - | - | - | - | A | - | - | A | A | - | A | - | - | - | - | - | A | - | A | D | - | - | - | - |
| Ammonia, Anhydrous | A | B | A | A | B | B | A | D | - | D | B | A | B | A | A | D | A | - | B | A | B | C | A | - | D | B | B | A | A | D | - |
| Ammonia, Liquids | - | A | A | A | D | - | B | D | - | A | A | A | B | A | A | D | - | - | D | A | - | A | A | - | D | B | B | A | A | D | - |
| Ammonia, Nitrate | - | A | A | A | C | - | - | D | - | - | A | B | B | - | A | C | - | - | - | A | - | - | - | A | - | A | - | C | - | - | - |
| Ammonium Bifluoride | - | C | A | - | D | - | B | - | - | - | - | A | - | - | A | D | - | - | - | - | - | - | - | A | - | A | - | - | - | - | - |
| Ammonium Carbonate | B | A | A | A | C | A | B | B | - | C | B | A | B | A | A | D | A | - | - | A | - | - | - | B | D | C | A | A | - | - | - |
| Ammonium Casenite | - | - | A | - | - | - | - | - | - | - | - | - | - | - | A | D | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Ammonium Chloride | C | A | C | A | C | A | A | D | C | D | D | A | B | A | A | B | A | - | B | A | A | A | - | A | A | C | A | A | A | - | - |
| Ammonium Hydroxide | A | A | A | A | C | A | A | D | D | A | C | A | B | A | A | D | A | B | B | A | A | A | - | B | B | B | A | A | A | C | - |
| Ammonium Nitrate | A | A | A | A | B | A | A | D | D | A | D | A | B | A | A | C | D | - | B | A | A | A | - | A | - | A | C | A | A | - | - |
| Ammonium Oxalate | - | A | A | A | - | - | A | - | - | - | - | - | - | - | B | - | - | - | - | - | - | - | - | - | A | - | - | - | - | - | |
| Ammonium Persulfate | - | A | A | A | C | A | A | A | - | D | A | A | - | - | A | A | D | D | - | - | - | - | - | C | A | - | A | A | - | - | - |
| Ammonium Phosphate, Dibasic | B | A | A | A | B | A | A | C | - | - | D | A | - | - | A | B | A | - | B | A | - | - | - | A | A | B | A | A | - | - | - |
| Ammonium Phosphate, Monobasic | - | A | A | A | B | A | A | D | - | - | A | A | A | A | B | A | - | - | B | A | - | - | - | - | A | B | A | A | - | - | - |
| Ammonium Phosphate, Tribasic | B | A | A | A | B | A | A | C | - | C | D | A | - | - | A | B | A | - | B | A | - | - | - | - | A | B | A | A | - | - | - |
| Ammonium Sulfate | C | A | B | A | B | A | A | B | C | C | C | A | D | A | A | B | D | - | B | A | A | A | - | D | A | B | A | A | - | - | - |
| Ammonium Thio-Sulfate | - | - | A | - | - | A | - | - | - | D | A | - | - | - | B | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Amyl-Acetate | B | A | A | C | B | A | A | C | - | - | C | D | D | A | D | A | B | - | D | D | A | A | - | D | D | D | D | A | D | - | - |
| Amyl Alcohol | - | A | A | - | B | A | A | A | - | - | A | D | A | C | A | A | - | B | A | - | - | - | - | - | B | B | D | A | A | C | - |
| Amyl Chloride | - | C | B | - | D | - | A | A | - | - | A | D | C | A | D | A | C | - | D | D | - | - | - | - | A | D | D | D | D | - | - |

| | 302 Stainless Steel | 304 Stainless Steel | 316 Stainless Steel | 440 Stainless Steel | Aluminum | TITANIUM | HASTELLOY C | Cast Bronze | Brass | Cast Iron | Carbon Steel | PVC (Type 1) | Tygon (E-3606) | Teflon | Noryl | Polyacetal | Nylon | Cyclocac (ABS) | Polyethylene | POLYPROPYLENE | RYTON | CARBON | CERAMIC | CERAMAGNET "A" | VITON | BUNAN (NITRILE) | Silicon | Neoprene | Ethylene Propylene | Rubber (Natural) | Epoxy | | | | |
|------------------------------------|---------------------|---------------------|---------------------|---------------------|----------|----------|-------------|-------------|-------|-----------|--------------|--------------|----------------|--------|-------|------------|-------|----------------|--------------|---------------|-------|--------|---------|----------------|-------|-----------------|---------|----------|--------------------|------------------|-------|---|---|---|---|
| Aniline | B | A | A | A | C | C | B | C | - | - | C | D | D | A | D | D | C | D | C | B | A | A | A | - | D | D | C | D | B | D | - | | | | |
| Anti-Freeze | - | A | A | - | A | - | A | B | B | B | C | A | B | A | A | A | A | B | A | A | A | A | A | A | A | A | C | A | A | A | - | | | | |
| Antimony Trichloride | - | D | D | - | D | - | A | - | - | - | - | A | A | A | - | D | - | A | - | - | - | - | A | - | - | - | - | C | - | A | - | | | | |
| Aqua Regia (80% HCl, 20% HNO) | - | D | D | - | D | A | D | D | - | - | - | D | D | A | D | D | D | - | D | C | - | - | D | - | C | D | C | D | D | D | - | | | | |
| Arochlor | - | - | - | - | - | - | - | - | - | - | A | - | - | - | D | - | - | - | - | - | - | - | A | - | - | A | D | - | D | B | D | - | | | |
| Aromatic Hydrocarbons | - | - | A | - | A | - | - | A | - | A | A | D | - | - | D | A | - | - | C | - | - | A | - | - | A | D | - | D | D | D | - | | | | |
| Arsenic Acid | B | A | A | - | D | - | - | D | B | D | D | A | B | A | A | D | A | - | B | A | - | A | A | A | A | A | - | A | - | A | - | C | - | | |
| Asphalt | - | B | A | - | C | - | - | A | - | C | - | A | - | - | - | A | A | - | - | A | A | - | A | A | A | B | C | B | D | D | - | | | | |
| Barium Carbonate | B | A | A | A | B | A | A | B | - | B | B | A | A | A | A | A | A | - | B | A | - | A | A | A | A | A | - | A | - | A | - | A | - | | |
| Barium Chloride | C | A | A | A | D | A | A | B | - | N | C | A | B | A | A | A | B | - | B | A | A | A | A | - | A | A | B | A | A | A | - | A | - | | |
| Barium Cyanide | - | - | A | - | - | - | - | C | - | - | A | - | - | - | B | - | - | - | B | - | - | A | - | A | C | - | A | - | A | - | A | - | | | |
| Barium Hydroxide | B | C | A | A | D | B | B | B | - | C | C | A | - | A | A | D | A | - | - | B | A | A | A | A | A | A | C | A | A | A | - | A | - | | |
| Barium Nitrate | - | A | A | - | - | A | - | D | - | A | A | B | - | - | A | A | - | - | - | - | - | - | A | A | - | A | A | - | A | - | A | - | | | |
| Barium Sulfate | B | A | A | A | D | A | A | C | - | C | C | A | - | A | A | A | A | - | B | A | A | A | B | - | A | A | D | A | A | - | - | - | | | |
| Barium Sulfide | B | A | A | - | D | - | - | C | - | C | C | A | A | A | A | A | - | B | A | - | A | A | - | A | A | C | A | A | A | - | - | - | | | |
| Beer ² | A | A | A | - | A | A | A | B | D | A | D | A | - | A | A | B | D | B | B | D | - | A | A | - | A | D | C | A | A | A | - | - | | | |
| Beet Sugar Liquids | A | A | A | - | A | - | - | A | B | A | - | A | - | A | A | B | A | B | - | A | - | A | A | - | A | A | - | B | A | A | A | - | | | |
| Benzaldehyde ³ | A | A | A | - | B | A | A | A | - | B | A | D | D | A | D | A | C | D | D | D | A | A | - | D | D | B | D | A | D | A | - | - | | | |
| Benzene ³ | B | A | A | A | B | A | B | B | A | B | C | D | C | A | D | A | A | D | D | D | A | A | A | A | D | - | D | D | D | A | - | - | | | |
| Benzoic Acid ² | B | A | A | A | B | A | A | B | - | D | - | A | B | A | A | B | D | - | B | D | - | A | B | - | A | D | - | D | D | D | A | - | - | | |
| Benzol | - | A | A | - | B | A | A | B | A | - | - | D | - | A | D | A | A | - | - | A | A | A | - | A | A | D | D | - | D | - | - | A | - | | |
| Borax (Sodium Borate) | - | A | A | A | C | - | A | A | B | A | C | A | A | A | A | A | A | - | B | A | A | A | A | A | A | B | C | A | A | C | A | - | - | | |
| Boric Acid | B | A | A | A | B | A | A | B | C | D | - | A | B | A | A | A | A | - | B | A | - | A | A | A | A | A | - | A | A | A | - | - | - | | |
| Brewery Stop | - | - | A | - | - | - | - | A | - | A | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| Bromine ² (wet) | D | D | D | D | D | A | A | C | - | D | D | B | B | A | D | D | D | D | D | D | D | D | D | A | D | D | D | D | D | D | D | - | - | | |
| Butadiene | A | A | A | - | A | - | - | C | A | C | C | A | - | A | - | A | A | - | - | - | - | B | A | A | - | A | A | - | B | A | - | - | - | | |
| Butane ²¹ | A | A | A | - | A | - | - | A | A | C | C | A | C | A | D | A | A | B | C | D | A | A | A | - | A | A | D | B | D | D | A | - | - | | |
| Butanol | - | A | A | - | A | - | - | A | A | - | - | - | - | A | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| Butter | - | B | A | - | A | - | - | D | - | D | - | - | B | - | B | A | - | B | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| Buttermilk | A | A | A | A | A | - | - | D | - | D | - | - | B | A | A | A | A | B | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| Butylene | A | - | A | - | A | - | - | A | A | A | A | B | - | A | - | A | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| Butyl Acetate ¹ | - | - | C | - | A | - | - | A | A | - | - | A | D | D | A | D | A | - | - | C | D | A | A | A | - | D | B | D | D | B | D | A | - | | |
| Butyric Acid ¹ | B | B | A | A | B | A | A | C | - | D | - | B | - | A | A | C | D | D | - | A | - | A | D | - | D | D | - | D | B | - | - | - | - | | |
| Calcium Bisulfate | C | D | A | - | D | - | - | D | D | D | - | A | A | A | - | - | A | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| Calcium Bisulfide | - | - | B | - | C | A | A | C | - | - | - | A | - | A | A | C | A | - | B | A | - | A | A | - | A | A | - | A | D | - | - | - | - | | |
| Calcium Bisulfite | - | D | A | - | C | A | A | C | - | - | - | A | - | A | A | - | A | - | - | A | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| Calcium Carbonate | B | A | A | A | C | A | A | C | - | D | - | A | A | A | A | A | - | B | A | - | A | A | - | - | A | A | - | A | A | - | - | - | - | | |
| Calcium Chlorate | - | C | A | - | - | - | B | C | - | - | - | - | A | A | A | - | - | A | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| Calcium Chloride | C | A | D | C | C | A | A | B | - | C | - | A | A | A | A | D | A | B | B | A | A | A | B | A | A | B | D | A | A | A | - | - | - | | |
| Calcium Hydroxide | B | A | A | - | C | A | A | B | - | - | - | A | A | A | A | B | A | - | B | A | - | A | A | A | A | A | C | A | A | A | - | - | - | | |
| Calcium Hypochlorite | D | A | C | C | C | A | B | D | - | D | - | D | - | A | A | D | D | - | B | A | - | A | A | - | A | B | C | D | A | C | A | - | - | | |
| Calcium Sulfate | B | A | A | A | B | A | B | B | - | - | - | A | A | A | A | A | C | B | A | A | A | - | A | A | - | A | - | D | - | - | - | - | - | | |
| Calgon | - | A | A | - | - | - | - | C | - | D | - | - | - | - | A | B | - | - | - | A | - | A | A | - | A | A | - | A | - | - | - | - | - | | |
| Cane Juice ² | - | A | A | - | B | - | - | B | C | A | - | A | - | - | - | A | A | - | - | D | - | A | A | - | - | A | - | A | - | - | - | - | - | | |
| Carbolic acid (See Phenol) | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Carbon Bisulfide ² | B | A | A | A | A | - | - | C | - | B | - | D | D | - | - | A | A | - | - | D | - | A | A | A | D | - | D | D | D | A | - | - | - | - | |
| Carbon Dioxide (Wet) | - | A | A | - | C | - | - | A | C | C | C | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Carbon Disulfide ² | - | B | A | - | C | - | - | C | C | B | C | D | C | A | D | A | A | - | D | D | A | A | B | - | A | D | - | D | D | D | A | - | - | - | |
| Carbon Monoxide | - | A | A | - | A | - | - | - | - | - | - | A | - | - | B | A | A | - | B | A | - | A | A | - | A | A | B | B | A | C | A | - | - | - | |
| Carbon Tetrachloride ²¹ | B | C | B | A | C | A | A | C | A | C | D | C | C | A | D | A | A | D | D | D | C | A | A | A | C | C | D | - | D | C | - | - | - | - | |
| Carbonated Water | B | A | A | A | A | - | - | B | - | D | - | A | - | - | A | A | A | - | - | A | - | A | A | - | A | A | - | A | - | - | - | - | - | - | |
| Carbonic Acid | B | A | B | A | A | - | - | A | B | - | D | - | A | - | - | A | A | A | - | B | A | - | A | A | - | A | B | B | A | A | - | - | - | - | |
| Catsup | - | A | A | A | D | - | - | C | - | D | - | A | - | - | A | B | A | B | - | A | - | A | A | - | A | A | - | C | - | - | - | - | - | - | |
| Chloroacetic Acid ² | D | D | D | D | C | A | A | D | - | D | - | A | D | A | - | D | D | - | D | D | - | A | A | - | A | D | - | D | B | D | B | - | - | - | |
| Chloric Acid | - | D | D | - | - | - | - | - | - | - | - | D | - | - | A | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Chlorinated Glue | - | A | A | - | D | - | - | C | - | D | - | - | - | - | C | - | C | D | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Chlorine, Anhydrous Liquid | - | D | D | D | D | D | A | D | - | C | - | D | B | A | A | D | D | - | D | D | C | A | D | - | A | D | - | D | B | D | B | - | - | - | |
| Chlorine (Dry) | B | A | A | - | D | D | A | A | B | A | - | - | - | - | - | - | - | - | - | - | - | C | A | A | - | D | - | - | D | - | - | - | - | - | |
| Chlorine Water | D | - | D | - | D | A | B | D | D | D | - | A | - | A | C | - | D | - | - | D | C | A | - | A | D | C | D | - | - | - | - | - | - | - | |
| Chlorobenzene (Mono) | A | A | A | - | B | - | - | A | B | - | B | C | D | D | A | D | A | A | D | D | D | A | A | - | A | D | - | D | D | D | A | - | - | - | - |
| Chloroform | A | A | A | A | D | A | A | B | - | D | C | D | C | A | D | A | C | D | D | D | C | A | A | A | A | D | D | D | D | A | - | - | - | - | - |
| Chlorosulfonic Acid ¹ | D | D | - | D | D | A | B | D | - | - | D | C | C | A | D | D | D | - | D | D | D | - | C | - | D | D | D | D | D | D | D | - | - | - | - |
| Chlorox (Bleach) | - | A | A | - | C | - | - | A | A | - | D | C | A | B | A | A | D | D | B | - | D | C | A | - | A | C | - | B | B | D | A | - | - | - | - |
| Chocolate Syrup | - | A | A | - | A | - | - | - | D | - | - | - | - | - | A | A | - | - | A | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Chromic Acid 5% | - | A | A | B | C | A | A | D | D | D | - | A | B | - | C | D | D | B | B | A | A | D | C | - | A | D | C | D | A | B | B | - | - | - | - |
| Chromic Acid 10% | - | B | - | - | - | A | A | - | D | - | - | A | - | A | A | - | D | - | - | A | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Chromic Acid 30% | - | B | - | - | - | A | A | - | D | - | - | A | | | | | | | | | | | | | | | | | | | | | | | |

| | 302 Stainless Steel | 304 Stainless Steel | 316 Stainless Steel | 440 Stainless Steel | Aluminum | TITANIUM | HASTELLOY C | Cast Bronze | Brass | Cast Iron | Carbon Steel | PVC (Type 1) | Tygon (E-3606) | Teflon | Noryl | Polyacetal | Nylon | Cyclac (ABS) | Polyethylene | POLYPROPYLENE | RYTON | CARBON | CERAMIC | CERAMAGNET "A" | VTON | BUNAN (NITRILE) | Silicon | Neoprene | Ethylene Propylene | Rubber (Natural) | Epoxy | |
|---------------------------------------|---------------------|---------------------|---------------------|---------------------|----------|----------|-------------|-------------|-------|-----------|--------------|--------------|----------------|--------|-------|------------|-------|--------------|--------------|---------------|-------|--------|---------|----------------|------|-----------------|---------|----------|--------------------|------------------|-------|---|
| Bone | - | A | A | - | - | - | - | A | - | - | - | - | - | - | A | - | - | - | - | - | - | A | A | - | A | A | - | D | - | - | A | |
| Castor | - | A | A | - | A | - | - | A | - | A | - | A | - | - | A | - | - | - | - | - | - | - | A | A | A | A | - | D | - | - | A | |
| Cinnamon | - | A | A | - | - | - | - | - | - | - | - | - | - | A | - | A | - | - | - | A | - | - | A | A | - | D | - | - | - | - | A | |
| Citric | - | A | A | - | - | - | - | D | - | D | - | - | - | - | A | A | - | - | A | - | A | - | A | A | - | A | - | D | - | - | A | |
| Clove | - | A | A | - | - | - | - | - | - | - | - | - | - | - | A | A | - | - | B | - | A | - | A | A | - | A | - | - | - | - | A | |
| Coconut | - | A | A | - | B | - | - | A | - | A | - | - | - | - | A | A | - | - | A | - | A | - | A | A | - | A | - | A | A | D | A | |
| Cod Liver | - | A | A | - | B | - | - | - | - | - | - | - | - | - | A | A | C | - | A | - | A | - | A | A | - | A | - | B | A | D | A | |
| Corn | - | A | A | A | B | - | - | B | - | A | - | - | - | - | A | A | C | - | A | - | A | - | A | A | - | A | - | D | C | D | A | |
| Cotton Seed | B | A | A | A | B | - | - | B | - | A | C | A | - | A | - | A | A | C | - | A | - | A | A | - | A | - | D | C | D | A | | |
| Cresote2 | - | A | A | - | A | - | - | - | - | - | - | - | - | - | D | - | - | - | D | - | A | - | A | A | - | A | - | B | D | D | A | |
| Diesel Fuel (2d, 3D, 4D, 5D) | - | A | A | - | A | - | - | A | - | - | - | - | - | - | D | A | A | - | - | A | - | A | A | - | A | - | D | D | D | A | | |
| Fuel (1, 2, 3, 5A, 5B, 6) | - | A | A | - | A | A | A | - | - | - | - | A | - | A | D | A | - | - | - | B | - | A | A | - | A | B | - | D | D | D | A | |
| Ginger | - | A | A | - | - | - | - | - | - | - | - | - | - | - | A | - | - | - | - | - | - | - | A | A | - | A | - | A | - | - | A | |
| Hydraulic (See Hydraulic) | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Lemon | - | A | A | - | - | - | - | - | - | - | - | - | - | - | A | - | - | - | D | - | A | - | A | - | A | - | D | - | - | - | A | |
| Linseed | - | A | A | A | A | - | - | A | - | A | - | A | B | - | A | A | C | - | A | - | A | - | A | A | A | A | - | D | D | D | A | |
| Mineral | A | A | A | A | A | - | - | A | - | A | B | A | - | - | B | A | A | - | - | B | - | A | - | A | A | A | - | B | D | D | A | |
| Olive | A | A | A | - | A | - | - | B | - | A | B | A | - | A | - | A | A | - | - | A | - | A | - | A | A | A | C | B | - | D | A | |
| Orange | - | A | A | - | - | - | - | - | - | - | - | - | - | - | A | A | A | - | - | A | - | A | - | A | A | - | A | - | D | - | - | A |
| Palm | - | A | A | - | A | - | - | B | - | - | - | A | - | - | A | A | - | - | - | - | - | - | A | A | - | A | - | D | - | - | A | |
| Peanut ³ | - | A | A | - | A | - | - | A | - | A | - | A | - | - | A | - | - | - | D | - | A | - | A | A | - | A | - | D | - | D | A | |
| Peppermint ² | - | A | A | - | - | - | - | A | - | - | - | - | - | - | A | - | - | - | D | - | A | - | A | A | - | A | - | D | - | - | A | |
| Pine | A | A | A | - | A | - | - | D | - | C | B | A | - | A | - | A | - | - | - | - | - | - | A | A | - | A | - | D | - | D | A | |
| Rape Seed | - | A | A | - | - | - | - | A | - | - | - | A | - | - | A | - | - | - | - | - | - | - | A | A | - | A | B | - | D | - | D | A |
| Rosin | - | A | A | - | A | - | - | - | - | - | - | - | - | - | A | A | - | - | A | - | - | - | A | A | - | A | - | - | - | - | - | A |
| Sesame Seed | - | A | A | - | A | - | - | A | - | A | - | A | - | - | A | - | - | - | - | - | - | - | A | A | - | A | - | D | - | - | - | A |
| Silicone | - | A | A | - | - | - | - | A | - | A | - | - | - | - | A | A | A | - | - | A | - | - | A | A | A | A | - | A | - | - | - | A |
| Soybean | - | A | A | - | A | - | - | B | - | A | - | A | - | - | A | A | - | - | A | - | - | - | A | A | - | A | - | D | - | D | A | |
| Sperm | - | A | A | - | - | - | - | A | - | - | - | A | - | - | A | - | - | - | - | - | - | - | A | A | - | A | - | D | - | - | - | A |
| Tanning | - | A | A | - | - | - | - | - | - | - | - | - | - | - | A | - | - | - | - | - | - | - | A | A | - | A | - | D | - | - | - | A |
| Turbine | - | A | A | - | A | - | - | A | - | A | - | A | - | - | A | - | C | - | - | - | - | - | A | A | - | A | - | D | - | D | A | |
| Oleic Acid | B | A | A | B | B | - | B | B | C | C | C | A | C | A | C | B | A | B | D | C | - | A | A | - | B | B | D | D | D | D | A | |
| Oleum 25% | - | - | - | - | - | - | A | - | - | - | - | D | - | A | D | - | - | - | - | - | - | - | A | - | A | D | D | D | D | - | D | |
| Oleum | B | - | A | - | B | - | - | C | C | - | B | D | - | A | - | D | - | - | D | - | - | - | A | - | A | C | D | D | D | D | A | |
| Oxalic Acid (cold) | C | A | B | A | C | C | B | B | C | D | D | A | B | A | C | C | D | - | A | A | - | A | A | - | A | B | C | B | A | C | A | |
| Paraffin | A | A | A | A | A | - | - | A | - | B | B | A | - | A | B | A | A | B | - | A | - | - | A | A | - | A | - | - | - | - | - | A |
| Pentane | A | C | C | - | A | - | B | A | - | B | B | - | - | A | D | A | A | D | - | - | - | - | A | A | - | A | - | B | D | D | A | |
| Perchloroethylene ² | B | A | A | - | A | - | - | C | - | B | B | - | - | A | D | A | - | D | - | D | - | A | A | - | A | C | D | D | D | D | A | |
| Petrolatum | A | - | A | - | B | - | - | B | - | C | - | - | - | A | D | A | A | B | - | - | - | - | A | A | - | A | - | B | A | D | A | |
| Phenol 10% | B | A | A | - | A | - | B | C | - | B | D | A | C | A | - | - | D | - | - | - | - | A | - | - | B | D | - | C | D | C | C | |
| Phenol (Carbolic Acid) | B | A | A | A | B | C | A | B | D | D | D | A | C | A | C | D | D | - | D | B | - | A | A | D | A | D | - | D | D | D | B | |
| Phosphoric Acid (to 40% Solution) | - | B | A | A | D | A | D | D | D | - | A | B | A | A | D | D | C | B | A | A | B | C | D | A | D | - | D | B | C | A | | |
| Phosphoric Acid (40% - 100% Solution) | - | C | B | B | D | B | A | D | D | D | - | A | B | A | A | D | D | D | C | A | A | B | C | D | A | D | - | D | B | C | C | |
| Phosphoric Acid (Crude) | - | D | C | C | D | C | A | D | D | D | D | - | - | A | - | D | D | D | C | - | A | C | D | - | A | D | - | D | B | - | A | |
| Phosphoric Anhydride (Dry or Moist) | - | A | A | - | - | - | - | D | - | - | D | D | A | - | - | - | - | - | - | - | - | - | A | - | - | D | D | - | D | - | A | |
| Phosphoric Anhydride (Molten) | - | A | A | - | D | - | - | D | D | - | D | - | - | A | - | - | A | - | D | - | - | - | - | - | D | C | - | D | - | D | A | |
| Photographic (Developer) | - | C | A | C | C | A | A | - | - | D | - | A | - | - | A | C | - | - | B | A | - | A | A | - | A | - | A | - | A | - | - | A |
| Phthalic Anhydride | B | A | B | - | B | - | A | B | - | C | C | - | - | A | - | - | A | - | - | - | - | - | - | - | A | C | - | - | - | - | - | |
| Picric Acid | B | A | A | - | C | - | A | D | D | D | D | A | A | A | - | - | A | - | A | - | - | - | - | - | A | A | D | A | - | A | A | |
| Plating Solutions | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Antimony Plating 130° F | - | - | A | - | - | A | A | - | - | - | A | - | A | A | - | D | - | - | A | - | - | A | - | A | A | D | A | - | - | - | B | |
| Arsenic Plating 110° F | - | - | A | - | - | A | A | - | - | - | A | - | A | A | - | A | - | - | A | - | - | - | C | - | A | A | D | A | - | - | B | |
| Brass Plating | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Regular Brass Bath 100° F | - | - | A | - | - | A | A | - | - | - | A | - | A | A | - | A | - | - | A | - | - | - | C | - | A | A | D | A | - | - | B | |
| High Speed Brass Bath 110° F | - | - | A | - | - | A | A | - | - | - | A | - | A | A | - | A | - | - | A | - | - | - | D | - | A | A | D | A | - | - | B | |
| Bronze Plating | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Copper-Cadmium Bronze Bath | - | - | A | - | - | A | A | - | - | - | A | - | A | A | - | A | - | - | A | - | - | - | C | - | A | A | D | A | - | - | B | |
| Copper-Tin Bronze Bath 160° F | - | - | A | - | - | A | A | - | - | - | D | - | A | A | - | A | - | - | A | - | - | - | D | - | A | A | D | B | - | - | C | |
| Copper-Zinc Bronze Bath 100° F | - | - | A | - | - | A | A | - | - | - | A | - | A | A | - | A | - | - | A | - | - | - | C | - | A | A | - | A | - | - | B | |
| Cadmium Plating | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cyanide Bath 90° F | - | - | A | - | - | A | A | - | - | - | A | - | A | A | - | A | - | - | A | - | - | - | C | - | A | A | - | A | - | - | B | |
| Fluoborate Bath 100° F | - | - | A | - | - | D | A | - | - | - | A | - | A | A | - | D | - | - | A | - | - | - | D | - | A | B | - | C | - | - | B | |
| Chromium Plating | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Chromic-Sulfuric Bath 130° F | - | - | C | - | - | A | A | - | - | - | - | A | - | A | D | - | D | - | - | A | - | - | A | - | C | D | - | D | - | - | D | |
| Fluosilicate Bath 95° F | - | - | C | - | - | C | A | - | - | - | - | A | - | A | D | - | D | - | - | A | - | - | B | - | C | D | - | D | - | - | D | |
| Fluoride Bath 130° F | - | - | D | - | - | C | A | - | - | - | - | A | - | A | D | - | D | - | - | A | - | - | B | - | C | D | - | D | - | - | D | |
| Black Chrome Bath 115° F | - | - | C | - | - | A | A | - | - | - | - | A | - | A | D | - | D | - | - | A | - | - | A | - | C | D | - | D | - | - | D | |
| Barrel Chrome Bath 95° F | - | - | D | - | - | C | A | - | - | - | - | A | - | A | D | - | D | - | - | A | - | - | A | - | C | D | - | D | - | - | D | |
| Copper Plating (Cyanide) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Copper Strike Bath 120° F | - | - | - | - | A | A | A | - | - | - | - | - | - | A | A | - | - | - | - | - | - | - | C | - | B | - | - | - | - | - | - | |
| Rochelle salt Bath 150° F | - | - | A | - | - | A | A | - | - | - | D | - | A | A | - | A | - | - | A | - | - | - | D | - | A | A | - | B | - | - | C | |
| High Speed Bath 180° F | - | - | A | - | - | A | A | - | | | | | | | | | | | | | | | | | | | | | | | | |

| | 302 Stainless Steel | 304 Stainless Steel | 316 Stainless Steel | 440 Stainless Steel | Aluminum | TITANIUM | HASTELLOY C | Cast Bronze | Brass | Cast Iron | Carbon Steel | PVC (Type 1) | Tygon (E-3606) | Teflon | Noryl | Polyacetal | Nylon | Cyclac (ABS) | Polyethylene | POLYPROPYLENE | RYTON | CARBON | CERAMIC | CERAMAGNET "A" | VTON | BUNAN (NITRILE) | Silicon | Neoprene | Ethylene Propylene | Rubber (Natural) | Epoxy | |
|---|---------------------|---------------------|---------------------|---------------------|----------|----------|-------------|-------------|-------|-----------|--------------|--------------|----------------|--------|-------|------------|-------|--------------|--------------|---------------|-------|--------|---------|----------------|------|-----------------|---------|----------|--------------------|------------------|-------|---|
| Sodium Hypochlorite ³ (to 20%) | - | C | C | C | C | A | A | D | D | D | - | A | B | A | A | D | A | - | B | D | C | D | A | B | A | C | D | D | B | C | B | |
| Sodium Hyposulfate | - | A | A | - | D | - | - | D | - | - | - | - | - | A | - | - | - | - | - | - | - | - | - | - | - | - | - | C | - | C | C | |
| Sodium Metaphosphate ² | A | - | A | - | A | - | - | C | C | B | B | - | - | A | - | B | A | - | - | D | - | A | A | - | A | A | - | B | A | A | A | |
| Sodium Metasilicate | A | - | A | - | B | - | - | B | - | C | C | - | - | A | - | D | - | - | - | - | - | A | - | - | A | A | D | A | - | - | A | |
| Sodium Nitrate | B | A | A | A | A | B | B | C | A | B | A | B | A | B | A | B | A | - | B | A | - | A | A | A | B | C | D | B | A | C | A | |
| Sodium Perborate | B | - | C | - | B | - | - | C | C | B | B | - | - | A | A | B | A | - | - | A | - | A | A | - | A | B | D | B | A | C | A | |
| Sodium Peroxide | B | A | A | - | C | - | B | C | C | D | C | A | - | A | - | D | D | - | - | - | - | A | A | - | A | C | D | B | A | C | A | |
| Sodium Polyphosphate (Mono, Di, Tribasic) | - | A | A | - | D | A | A | C | - | - | - | - | - | A | A | B | - | - | - | - | - | A | A | - | A | A | - | D | A | A | A | |
| Sodium Silicate | B | A | B | A | C | A | B | C | B | C | - | B | A | B | A | A | C | A | - | - | A | - | A | - | A | A | - | A | A | A | A | |
| Sodium Sulfate | B | A | A | C | B | A | B | B | B | A | B | A | - | A | A | C | B | A | - | B | A | A | A | - | A | A | - | A | A | C | A | |
| Sodium Sulfide | B | A | B | - | D | A | B | D | D | A | B | A | B | A | A | B | A | - | B | A | A | A | A | - | A | C | - | A | A | C | A | |
| Sodium Sulfite | - | C | C | - | C | A | A | C | - | A | - | A | A | A | - | - | D | - | A | - | - | A | A | - | A | A | - | A | - | A | A | |
| Sodium Tetraborate | - | - | A | - | - | - | - | - | - | - | - | - | - | A | B | - | - | - | - | - | - | A | A | - | A | A | - | - | - | - | A | |
| Sodium Thiosulphate ("Hypo") | A | A | A | - | B | A | - | D | D | C | B | A | - | A | A | C | A | - | - | A | A | A | - | A | B | - | A | A | C | A | | |
| Sorghum | - | A | A | - | - | - | - | - | A | - | - | - | - | - | A | A | - | - | - | - | - | A | A | - | A | A | - | A | - | - | A | |
| Soy Sauce | - | A | A | - | A | - | - | A | - | D | - | - | - | - | A | A | A | - | - | - | - | A | A | - | A | A | - | A | - | D | A | |
| Stannic Chloride | D | D | D | - | D | A | B | D | - | D | D | A | - | A | A | C | A | - | B | A | - | - | A | - | A | A | D | A | A | A | A | |
| Stannic Fluoborate | - | - | A | - | - | - | - | - | - | D | - | - | - | - | A | C | - | - | - | - | - | - | A | - | A | A | - | A | - | - | A | |
| Stannous Chloride | D | D | C | - | D | A | A | D | - | D | D | A | A | A | - | - | D | - | A | - | - | - | - | - | B | C | D | D | - | A | A | |
| Starch | B | A | A | - | A | - | - | B | - | C | C | A | - | A | A | A | A | - | B | - | - | - | A | A | - | A | A | - | A | - | - | A |
| Stearic Acid ² | B | A | A | A | B | A | A | C | C | C | C | A | B | A | A | A | A | - | B | D | - | A | A | A | A | B | D | B | B | C | A | |
| Stoddard Solvent | A | A | A | A | A | A | A | A | B | B | A | D | A | D | A | A | B | D | D | A | A | - | A | B | D | D | D | D | D | D | A | |
| Styrene | A | A | A | - | A | - | - | A | - | - | A | - | - | - | A | A | A | - | - | - | - | - | A | A | - | B | D | D | D | D | A | |
| Sugar (Liquids) | A | A | A | A | A | - | A | A | - | B | B | - | - | A | A | A | A | B | - | A | - | A | A | A | A | A | - | B | - | A | A | |
| Sulfate Liquors | - | C | C | - | B | - | A | C | - | - | - | - | - | - | D | - | - | - | - | - | - | A | - | A | A | - | - | - | C | - | A | |
| Sulfur Chloride | - | D | D | D | D | - | - | C | D | - | - | A | C | A | A | D | A | - | A | D | - | A | C | - | A | D | - | D | D | D | C | |
| Sulfur Dioxide ² | - | A | A | C | A | B | B | - | - | - | D | B | A | D | B | D | D | C | D | A | A | - | D | D | C | B | A | D | A | D | A | |
| Sulfur Dioxide (Dry) | A | A | A | - | A | - | A | A | C | A | B | D | - | A | - | - | A | - | D | - | - | - | A | A | - | A | - | - | D | - | D | D |
| Sulfur Trioxide (Dry) | A | A | C | - | A | - | - | B | - | B | B | A | B | A | D | D | D | - | - | - | - | - | B | A | - | A | D | - | D | B | C | A |
| Sulfuric Acid (to 10%) | - | D | C | C | C | A | A | D | D | D | - | A | B | A | A | D | D | B | B | A | A | A | A | - | A | C | - | D | D | C | A | |
| Sulfuric Acid (10%-75%) ² | - | D | D | D | D | C | B | D | D | D | - | A | B | A | B | D | D | B | C | A | B | A | D | C | A | D | - | D | D | D | B | |
| Sulfuric Acid 75%-100% | - | - | D | - | D | B | - | D | - | - | - | B | - | A | A | - | D | - | - | - | B | C | - | A | - | A | D | - | D | - | D | |
| Sulfurous Acid | C | C | B | C | C | A | B | D | - | D | D | A | B | A | A | D | D | - | B | A | - | B | A | - | A | C | D | B | B | C | A | |
| Sulfuryl Chloride | - | - | - | - | - | - | - | - | - | - | - | A | - | A | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | A | |
| Syrup | - | A | A | A | A | - | - | D | - | - | - | A | - | - | A | A | A | B | - | A | - | A | A | A | A | - | B | - | A | A | | |
| Tallow | - | A | A | - | A | - | - | - | - | - | - | - | - | - | A | A | A | - | C | - | - | - | A | A | - | A | A | - | - | - | A | |
| Tannic Acid | B | A | A | A | C | A | B | B | - | C | C | A | B | A | A | B | D | - | B | A | - | A | A | A | A | D | C | A | A | A | A | |
| Tanning Liquors | - | A | A | - | C | A | A | A | - | - | - | A | B | A | - | B | - | - | - | - | - | A | - | A | A | - | A | C | - | - | - | A |
| Tartaric Acid | B | A | B | B | C | A | B | A | C | D | D | A | B | A | A | B | A | - | B | A | - | A | A | - | A | D | C | A | - | A | A | |
| Tetrachlorethane | - | - | A | - | - | A | A | - | - | - | - | D | - | A | D | A | A | - | - | - | - | A | - | A | - | A | D | - | - | D | D | A |
| Tetrahydrofuran | - | A | A | - | D | - | - | D | - | D | A | D | - | A | D | A | A | - | D | C | A | A | - | B | D | - | D | B | D | D | A | |
| Toluene, Toluol ³ | A | A | A | - | A | A | A | A | A | A | A | D | D | A | D | A | A | D | D | D | A | A | A | A | C | D | D | D | D | D | A | |
| Tomato Juice | A | A | A | - | A | - | - | C | - | C | C | - | - | A | A | B | A | B | - | A | A | A | A | - | A | A | - | A | - | - | A | |
| Trichlorethane | - | C | A | - | C | A | A | C | - | C | - | - | - | A | D | A | - | - | - | - | - | - | A | - | A | D | D | D | D | D | A | |
| Trichlorethylene ² | B | A | A | - | B | A | A | B | A | C | B | D | - | A | D | A | C | D | D | D | C | A | A | C | A | D | D | D | D | D | A | |
| Trichloropropane | - | - | A | - | - | - | - | A | - | - | - | - | - | - | D | A | - | D | - | - | - | - | A | A | - | A | A | - | - | - | A | |
| Tricresylphosphate | - | - | A | - | - | B | A | A | - | - | - | D | - | A | A | C | - | - | - | - | - | - | A | A | - | B | D | - | D | A | - | A |
| Triethylamine | - | - | - | - | - | - | - | A | - | - | - | - | - | - | B | D | - | - | - | - | - | - | A | - | A | A | D | B | - | - | A | |
| Turpentine ³ | B | A | A | - | C | - | A | B | C | B | B | A | B | A | D | A | A | - | D | B | A | A | - | A | A | - | A | D | - | D | D | A |
| Urine | - | A | A | - | B | - | - | C | - | B | - | A | - | - | A | A | A | - | B | A | - | A | A | - | A | A | - | D | A | - | A | |
| Vegetable Juice | - | A | A | - | A | - | - | C | - | D | - | - | - | - | A | A | A | - | - | - | - | - | A | A | - | A | A | B | D | - | D | A |
| Vinegar | A | A | A | A | D | A | A | B | B | C | D | A | - | A | A | B | A | B | B | A | A | A | A | A | A | C | - | B | A | C | A | |
| Varnish (Use Viton for Aromatic) | A | A | A | A | - | - | A | B | - | C | - | - | - | A | D | A | A | - | - | A | - | - | A | A | A | B | C | D | - | D | A | |
| Water, Acid, Mine | - | A | A | - | C | - | - | C | D | C | - | A | B | - | A | D | A | B | - | A | B | A | A | - | A | A | - | B | - | B | A | |
| Water, Distilled, Lab Grade 7 | - | A | A | - | B | - | - | A | - | D | - | A | B | A | A | A | A | A | - | A | A | A | A | A | A | - | B | A | A | A | A | |
| Water, Fresh | A | A | A | - | A | - | - | A | C | B | D | A | B | A | A | A | A | A | D | A | A | A | A | A | A | A | - | B | A | A | A | |
| Water, Salt | - | A | A | - | B | - | - | B | C | D | - | A | B | - | A | A | A | - | - | - | - | A | A | A | A | - | B | A | A | A | A | |
| Weed Killers | - | A | A | - | C | - | - | C | - | - | - | - | - | - | - | A | A | - | - | - | - | - | A | A | - | A | B | - | C | - | - | A |
| Whey | - | A | A | - | B | - | - | - | - | - | - | - | - | - | A | - | - | - | - | - | - | - | A | A | - | A | A | - | - | - | - | A |
| Whiskey and Wines | A | A | A | A | D | - | - | B | B | D | D | A | - | A | A | A | A | - | B | A | - | A | A | - | A | A | B | A | A | A | A | |
| White Liquors (Pulp Mill) | - | A | A | - | - | - | A | D | - | C | - | A | - | - | A | A | D | A | - | - | - | A | - | A | A | - | A | - | - | - | - | A |
| White Water (Paper Mill) | - | A | A | - | - | - | - | A | - | - | - | - | - | - | B | A | - | - | - | - | - | - | A | - | A | - | - | - | - | - | - | A |
| Xylene ² | A | A | A | - | A | - | A | A | A | A | B | D | - | A | D | A | A | D | D | D | A | A | A | A | A | D | D | D | D | D | A | |
| Zinc Chloride | D | A | B | B | D | A | B | D | D | D | D | A | - | A | A | C | A | - | B | A | A | A | A | - | A | A | - | A | A | A | A | |
| Zinc Hydrosulphite | - | - | A | - | D | - | - | D | - | D | - | - | - | - | A | C | - | - | - | - | - | - | A | A | - | - | A | A | - | - | A | |
| Zinc Sulfate | B | A | A | A | D | A | B | B | C | C | D | C | B | A | A | C | A | - | B | A | A | A | A | - | A | A | - | A | A | C | A | |