



Chemical Resistance Chart

Chemical Resistance Data

The information below was gathered from several material and pump suppliers and a careful examination of available published information. We believe the information is fairly 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 rather than an unqualified guarantee. Ultimately, the customer must determine the suitability of the components used in various solutions.

All recommendations assume ambient temperatures unless otherwise noted.

RATINGS - CHEMICAL EFFECT

- A - No effect-Excellent
- B - Minor effect-Good
- C - Moderate effect-Fair
- D - Severe effect-Not recommended

FOOTNOTES

1. P.V.C. - Satisfactory to 72f F.
2. Polypropylene - Satisfactory to 72f F.
3. Polypropylene - Satisfactory to 120f F.
4. Buna-N - Satisfactory for "O" Rings
5. Polyacetal - Satisfactory to 72f F.
6. Ceramag - Satisfactory to 72f F.

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

| | 304 Stainless Steel | 316 Stainless Steel | Aluminum | Cast Bronze | Brass | Cast Iron | Carbon Steel | Kynar | PVC (Type I) | Tygon (E-3606) | Teflon | Noryl | Polyacetal | Nylon | Cyclocac (ABS) | Polyethylene | Polypropylene | Ryton | Ceramic | fluoroelastomers (r) | Buna N (Nitrile) | Silicon | Neoprene | Ethylene Propylene (EPM) | Rubber (Natural) | Epoxy |
|----------------------------------|---------------------|---------------------|----------|-------------|-------|-----------|--------------|-------|--------------|----------------|--------|-------|------------|-------|----------------|--------------|---------------|-------|---------|----------------------|------------------|---------|----------|--------------------------|------------------|-------|
| Acetaldehyde ⁵ | A | A | B | D | | | C | | D | D | A | | A | A | D | C | B | A | A | D | B | B | D | B | C | A |
| Acetamide | B | A | | | | | C | | | | | | B | | | | | | A | A | A | | A | A | D | A |
| Acetate Solvent ² | B | A | B | A | C | B | A | | B | D | A | | | A | | B | D | | A | D | D | | D | | | A |
| Acetic Acid, Glacia ¹ | B | A | B | 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% | B | A | | | C | | | A | B | | A | A | | D | | | A | A | A | A | C | | C | | | B |
| Acetic Acid 80% | B | A | | | C | | | A | D | | A | B | | D | | | B | | A | A | C | | D | | | B |
| Acetic Acid | B | A | B | C | C | D | C | B | A | B | A | A | D | D | C | B | A | A | A | C | C | | C | B | C | A |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Acetic Anhydride | A | A | B | C | D | B | D | D | D | D | A | D | D | D | D | A | A | A | A | D | A | C | B | B | C | A |
| Acetone ⁶ | A | A | A | A | A | A | A | D | D | D | A | D | B | A | D | C | B | A | A | D | D | B | C | A | D | B |
| Acetyl Chloride | C | A | | D | | | | | | | A | | | | | | | A | | A | | | | | A | A |
| Acetylene ² | A | A | A | B | | A | A | | B | | | | A | A | | | D | A | A | A | A | C | B | A | C | A |
| Acrylonitrile | A | C | B | A | | C | | | | | | | B | | D | | B | A | A | C | D | | D | D | | A |
| Alcohols: Amyl | A | A | C | A | B | C | C | A | A | B | A | C | A | A | B | B | B | A | A | A | A | D | A | A | C | A |
| Benzyl | A | A | B | A | C | | | | D | B | | A | A | A | D | D | A | | A | A | D | | B | B | D | A |
| Butyl | A | A | B | B | C | C | C | A | A | B | A | A | A | A | | B | B | A | A | A | A | D | A | A | A | A |
| Diacetone ² | A | A | A | A | C | | A | | D | | | A | A | A | | | D | | A | D | D | | D | A | D | A |
| Ethyl | A | A | B | A | C | A | A | | A | C | | A | B | A | B | B | A | | A | A | A | B | A | B | A | A |
| Hexyl | A | A | A | A | C | | A | | | | | A | A | A | | | A | | A | A | A | D | B | A | A | A |
| Isobutyl | A | A | B | A | C | | A | | | | | A | A | A | B | | A | | A | A | C | B | A | A | A | A |

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B - Minor effect - Good 2. Polypropylene - Satisfactory to 72f F.

C - Moderate effect - Fair 3. Polypropylene - Satisfactory to 120f F.

D - Severe effect - Not recommended 4. Buna-N - Satisfactory for "O" Rings

5. Polyacetal - Satisfactory to 72f F.

6. Ceramag - Satisfactory to 72f F.

| | 304 Stainless Steel | 316 Stainless Steel | Aluminum | Cast Bronze | Brass | Cast Iron | Carbon Steel | Kynar | PVC (Type 1) | Tygon (E-3606) | Teflon | Noryl | Polyacetal | Nylon | Cycolac (ABS) | Polyethylene | Polypropylene | Ryton | Ceramic | floroelastomers (r) ^(r) | Buna N (Nitrile) | Silicon | Neoprene | Ethylene Propylene (EPM) | Rubber (Natural) | Epoxy |
|---|---------------------|---------------------|----------|-------------|-------|-----------|--------------|-------|--------------|----------------|--------|-------|------------|-------|---------------|--------------|---------------|-------|---------|------------------------------------|------------------|---------|----------|--------------------------|------------------|-------|
| Alcohols: Isopropyl | A | A | B | A | C | C | A | | | | | A | A | A | | | A | | A | A | C | C | B | A | A | A |
| Methyl ⁶ | A | A | B | A | C | A | A | | B | | A | A | C | A | D | B | A | | A | C | B | | A | A | A | A |
| Octyl | A | A | A | A | C | | A | | | | | A | A | A | | | | | A | A | B | | B | A | C | A |
| Propyl | A | A | A | A | | | A | B | A | | A | A | A | A | | | A | | A | A | A | B | A | A | A | A |
| Aluminum Chloride 20% | D | C | B | D | | D | A | | A | B | | A | C | A | | B | A | A | A | A | A | | A | A | A | A |
| Aluminum Chloride | D | C | D | C | | D | B | A | A | A | A | A | | D | | | A | A | A | A | A | C | A | | | A |
| Aluminum Fluoride | D | C | | | | | A | A | A | | A | A | C | D | | B | A | | | A | A | C | A | | C | A |
| Aluminum Hydroxide ⁶ | A | A | A | A | | D | A | | A | | A | A | B | A | | | A | | A | A | A | | A | | A | A |
| Aluminum Potassium Sulfate (Alum), 10% | A | | A | | | D | A | | A | | A | | | A | | A | | | A | A | | | A | | A | A |
| Aluminum Potassium Sulfate (Alum), 100% | D | A | B | C | | | A | | A | B | A | A | C | D | | B | A | | A | A | A | | A | | A | A |
| Aluminum Sulfate | C | C | A | C | C | D | A | A | A | B | A | A | C | A | | B | A | A | A | A | A | | A | A | A | A |
| Amines | A | A | A | B | | A | B | | C | A | A | B | D | A | | | | | A | D | D | C | B | B | C | A |
| Ammonia 10% | | A | | | | | | D | A | | A | A | | A | | | A | A | A | A | D | | A | | | B |
| Ammonia, Anhydrous | B | A | B | D | | D | B | D | A | B | A | A | D | A | | B | A | B | A | D | B | B | A | A | D | A |
| Ammonia, Liquids | A | A | D | D | | A | A | | A | B | A | A | D | | | D | A | | A | D | B | B | A | A | D | A |
| Ammonia, Nitrate | A | A | C | D | | | A | | B | B | | A | C | | | | A | | A | | A | | C | | | A |
| Ammonium Bifluoride | C | A | D | | | | | | A | | | A | D | | | | A | | A | A | A | | A | | | A |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ammonium Carbonate | A | A | C | B | | C | B | | A | B | A | A | D | A | | | A | | A | B | D | C | A | A | | A | | |
| Ammonium Casenite | | A | | | | | | | | | | A | D | | | | | | | | | | A | | | A | | |
| Ammonium Chloride | A | C | C | D | C | D | D | A | A | B | A | A | B | A | | B | A | A | A | A | A | C | A | A | A | A | | |
| Ammonium Hydroxide | A | A | C | D | D | A | C | | A | B | A | A | D | A | B | B | A | A | A | B | B | B | A | A | C | A | | |
| Ammonium Nitrate | A | A | B | D | D | A | D | | A | B | A | A | C | D | | B | A | A | A | D | A | C | A | A | A | A | | |
| Ammonium Oxalate | A | A | | | | | A | | | | | | B | | | | | | | | A | | A | | | A | | |
| Ammonium Persulfate | A | A | C | A | | D | A | D | A | | A | A | D | D | | | A | | A | C | A | | A | A | A | A | | |
| Ammonium Phosphate, Dibasic | A | A | B | C | | | D | | A | | A | A | B | A | | B | A | | A | A | A | B | A | A | A | A | | |
| Ammonium Phosphate, Monobasic | A | A | B | D | | | A | | A | A | A | A | B | A | | B | A | | A | A | A | B | A | A | A | A | | |
| Ammonium Phosphate, Tribasic | A | A | B | C | | C | D | | A | | A | A | B | A | | B | A | | A | A | A | B | A | A | A | A | | |
| Ammonium Sulfate | D | B | B | B | C | C | C | A | A | D | A | A | B | D | | B | A | A | A | D | A | B | A | A | A | A | | |
| Ammonium Thio-Sulfate | | A | | | | D | A | | | | | | B | | | | | | A | | A | | A | | | A | | |
| Amyl-Acetate | A | A | B | C | | | C | C | D | D | A | D | A | B | | D | D | A | A | D | D | D | D | A | D | A | | |
| Amyl Alcohol | A | A | B | A | | | A | A | A | B | A | C | A | A | | B | A | | A | B | B | D | A | A | C | A | | |
| Amyl Chloride | C | B | D | A | | | A | A | D | C | A | D | A | C | | D | D | | A | A | D | | D | D | D | A | | |
| Aniline | A | A | C | C | | | C | C | D | D | A | D | D | C | D | C | B | A | A | C | D | C | D | B | D | A | | |
| Antifreeze | A | A | A | B | B | B | C | | A | B | A | A | A | A | B | B | A | A | A | A | A | C | A | A | A | A | | |
| Antimony Trichloride | D | D | D | | | | | | A | A | A | | | D | | A | | | A | A | | | C | | A | A | | |
| Aqua Regia (80%, HCL, 20%, HNO) | D | D | D | D | | | | C | D | D | A | D | D | D | | D | C | | D | C | D | C | D | D | D | D | | |
| Arochlor 1248 | | | | | | | A | | | | | | D | | | | | | | A | D | | D | B | D | A | | |
| Aromatic Hydrocarbons | | A | A | A | | A | A | | D | | | | D | A | | | | | C | | | | D | D | D | A | | |
| Arsenic Acid | A | A | D | D | B | D | D | A | A | B | A | A | D | A | | B | A | | A | A | A | | A | | C | A | | |
| Asphalt | B | A | C | A | | C | | | A | | | | A | A | | | | | A | A | A | A | B | C | B | D | D | A |
| Barium Carbonate | A | A | B | B | | B | B | | A | A | A | A | A | A | | B | A | | A | A | A | | A | | A | A | | |
| Barium Chloride | D | A | D | B | | | C | A | A | B | A | A | A | B | | B | A | A | A | A | A | B | A | A | A | A | | |
| Barium Cyanide | | A | | C | | | A | | | | | | B | | | B | | | | A | C | | A | A | | A | | |
| Barium Hydroxide | C | A | D | B | | C | C | A | A | | A | A | D | A | | B | A | A | A | A | A | C | A | A | A | A | | |

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|----------------------------|---------------------|---------------------|----------|-------------|-------|-----------|--------------|-------|--------------|----------------|--------|-------|------------|-------|----------------|--------------|---------------|-------|---------|---------------------|------------------|---------|----------|--------------------------|------------------|-------|
| Barium Nitrate | A | A | | D | | A | A | | B | | | A | A | | | | | | A | A | A | | A | A | | B |
| Barium Sulfate | A | A | D | C | | C | C | A | A | | A | A | A | A | | B | A | A | B | A | A | D | A | A | | B |
| Barium Sulfide | A | A | D | C | | C | C | | A | A | A | A | A | A | | B | A | | A | A | A | C | A | A | A | A |
| Beer ² | A | A | A | A | B | D | D | A | A | | A | A | B | D | B | B | D | | A | A | D | C | A | A | A | A |
| Beet Sugar Liquids | A | A | A | A | B | A | | | A | | A | A | B | A | B | | A | | A | A | A | | B | A | A | A |
| Benzaldehyde ³ | A | A | B | A | | B | A | C | D | D | A | D | A | C | D | D | D | A | A | D | D | B | D | A | D | A |
| Benzene ² | A | A | B | B | A | B | C | B | D | C | A | D | A | A | D | D | D | A | A | A | D | | D | D | D | A |
| Benzoic Acid ² | A | A | B | B | | D | | A | A | B | A | A | B | D | | B | D | | B | A | D | | D | D | D | A |
| Benzol | A | A | B | B | A | | | | D | | A | D | A | A | | | A | | A | D | D | | D | | | A |
| Borax (Sodium Borate) | A | A | C | A | B | A | C | A | A | A | A | A | A | A | | B | A | A | A | A | B | C | A | A | C | A |
| Boric Acid | A | A | B | B | C | D | | A | A | B | A | A | A | A | | B | A | | A | A | A | | A | A | A | A |
| Brewery Slop | | A | | A | | A | | | | | | A | | | | | | | A | A | A | | A | | | A |
| Bromine ² (wet) | D | D | D | C | | D | D | A | B | B | A | D | D | D | D | D | D | D | A | A | D | D | D | D | D | C |
| Butadiene | A | A | A | C | A | C | C | A | A | | A | | A | A | | | | B | A | A | A | | B | A | | A |
| Butane ^{2 1} | A | A | A | A | A | C | C | A | A | C | A | D | A | A | B | C | D | A | A | A | A | D | B | D | D | A |
| Butanol | A | A | A | A | | | | | | | A | | | | | | | | | | | | | | | |
| Butter | B | A | A | D | | D | | | | B | | B | A | | B | | | | A | A | A | | B | A | D | A |
| Buttermilk | A | A | A | D | | D | | | | B | A | A | A | A | B | | | | A | A | A | | A | | D | A |
| Butylene | B | A | A | A | A | A | A | | B | | A | | A | | | | | A | A | A | B | | | D | D | A |
| Butyl Acetate ¹ | | C | A | A | | | A | C | D | D | A | D | A | | | C | D | A | A | D | B | D | D | B | D | A |
| Butyric Acid ¹ | B | A | B | C | | D | | A | B | | A | A | C | D | D | | A | | D | D | D | | D | B | | A |
| Calcium Bisulfate | D | A | D | D | D | D | | | A | A | A | | A | | | | | | | A | A | C | C | | A | A |
| Calcium Bisulfide | | B | C | C | | | | | A | | A | A | D | A | | B | A | | A | A | A | | A | D | | A |
| Calcium Bisulfite | B | A | C | C | | | | A | A | | A | A | | A | | | A | | A | A | A | | A | | A | |
| Calcium Carbonate | A | A | C | C | | D | | | A | A | A | A | A | A | | B | A | | A | A | A | | A | | A | A |
| Calcium Chlorate | B | A | | C | | | | | A | A | A | | | A | | A | | | | A | | | A | | A | A |
| Calcium Chloride | A | D | C | B | | C | | A | A | A | A | A | D | A | B | B | A | A | A | A | A | B | D | A | A | A |
| Calcium Hydroxide | A | A | C | B | | | | | A | A | A | A | B | A | | B | A | | A | A | A | C | A | A | A | A |
| Calcium Hypochlorite | D | C | C | D | | D | | A | D | | A | A | D | D | | B | A | | A | A | B | C | D | A | C | A |
| Calcium Sulfate | A | A | B | B | | | | A | A | A | A | A | A | A | C | B | A | A | A | A | A | | D | | C | A |
| 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 | A |
| Carbolic Acid (See Phenol) | | | | | | | | | | | | | | | | | | | | | | | | | | |

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|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Carbon Bisulfide ² | A | A | A | C | | B | | | D | D | | | A | A | | | D | | A | A | D | | D | D | D | A | |
| Carbon Dioxide (wet) | A | A | C | C | C | C | | | | | A | | | | | | | | A | | | | | | | | |
| Carbon Disulfide ² | B | A | C | C | C | B | C | | D | C | A | D | A | A | | D | D | A | B | A | D | | D | D | D | A | |
| Carbon Monoxide | A | A | A | | | | | | A | | | B | A | A | | B | A | | A | A | A | B | B | A | C | A | |
| Carbon Tetrachloride ² ₁ | B | B | C | C | A | C | D | A | C | C | A | D | A | A | D | D | D | C | A | A | C | C | D | | D | C | |
| Carbonated Water | A | A | A | B | | D | | | A | | | A | A | A | | | A | | A | A | A | | A | A | | A | |
| Carbonic Acid | A | B | A | B | | D | | A | A | | A | A | A | A | | B | A | | A | A | B | B | A | A | A | A | |
| Catsup | A | A | D | C | | D | | | A | | | A | B | A | B | | A | | A | A | A | | C | | | A | |
| Chloroacetic Acid ² | D | D | C | D | | D | | D | A | D | A | | D | D | | D | D | | A | D | D | | D | B | D | B | |
| Chloric Acid | D | D | | | | | | | D | | A | | | | | | | | | | D | | D | | | D | |
| Chlorinated Glue | A | A | D | C | | D | | | | | | | | | C | | | | | A | A | C | | D | B | D | A |

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|----------------------------------|---------------------|---------------------|----------|-------------|-------|-----------|--------------|-------|--------------|----------------|--------|-------|------------|-------|----------------|--------------|---------------|-------|---------|----------------------|------------------|---------|----------|--------------------------|------------------|-------|
| Chlorine, Anhydrous Liquid | D | D | D | D | | C | | | D | B | A | A | D | D | | D | D | C | D | A | D | | D | B | D | B |
| Chlorine (dry) | A | A | D | A | B | A | | | | | A | | | | | | | C | A | D | | | D | | D | D |
| Chlorine Water | | D | D | D | D | D | | A | A | | A | C | | D | | | D | C | A | A | D | C | D | | | |
| Chlorobenzene (Mono) | A | A | B | B | | B | C | A | D | D | A | D | A | A | D | D | D | A | A | A | D | | D | D | D | A |
| Chloroform | A | A | D | B | | D | C | C | D | C | A | D | A | C | D | D | D | C | A | A | D | D | D | D | D | A |
| Chlorosulfonic Acid ¹ | D | | D | D | | | D | D | C | C | A | D | D | D | | D | D | D | C | D | D | D | D | D | D | C |
| Chlorox (Bleach) | A | A | C | 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 | | | A | | A | A | A | | A | | D | A |
| Chromic Acid 5% | A | A | C | D | D | D | | | A | B | | C | D | D | B | B | A | A | C | A | D | C | D | A | B | B |
| Chromic Acid 10% | B | | | | D | | | A | A | | A | A | | D | | | A | | A | A | D | | D | | | C |
| Chromic Acid 30% | B | | | | D | | | B | A | | A | D | | D | | | A | | A | A | D | | D | | | D |
| Chromic Acid 50% | B | B | C | D | D | D | | C | B | B | A | D | D | D | C | C | B | B | A | A | D | | D | A | D | C |
| Cider | A | A | B | A | | D | | | A | | | A | B | | | B | | | A | A | A | | A | | | A |
| Citric Acid | A | A | C | D | C | D | | A | A | | A | A | B | C | C | B | B | | A | A | D | C | A | A | A | A |
| Citric Oils | A | A | C | B | | | | | | | | A | B | | | | A | | A | A | A | C | D | | | A |
| Coffee | A | A | A | B | | C | | | | | | A | A | A | A | | A | | A | A | A | | A | | A | A |

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|---------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Copper Chloride | D | D | D | D | | D | | A | A | B | A | A | B | D | | B | A | A | A | A | A | A | A | A | A | | |
| Copper Cyanide | A | A | D | C | | D | | A | A | | A | A | B | A | | B | A | A | A | B | B | | A | A | A | C | |
| Copper Fluoborate | D | D | D | D | | D | | | A | | A | | B | | | A | | | | A | B | | A | | A | A | |
| Copper Nitrate | A | A | D | D | | | | A | A | | A | A | B | D | | B | A | | A | A | A | | A | | | A | |
| Copper Sulfate (5% Solution) | A | A | D | D | D | D | | | A | | A | A | B | D | | B | A | A | A | A | A | C | A | | C | A | |
| Copper Sulfate | B | | | C | D | | | A | A | | A | A | | C | | | A | | A | B | B | | A | A | | A | |
| Cream | A | A | A | C | | D | | | | | | A | A | A | | | A | | A | A | A | | C | | | A | |
| Cresols ² | A | A | B | D | C | | | | D | D | | | D | | D | D | C | A | A | D | D | D | D | D | D | A | |
| Cresylic Acid | A | A | C | C | | | | B | B | D | A | | D | D | | C | | | A | A | D | | D | D | D | A | |
| Cyclohexane | A | | A | A | | | A | | | D | | D | A | | | | D | A | A | A | A | D | D | D | D | A | |
| Cyanic Acid | A | | | | | | | | | | | | D | | | | | | | | C | | D | | | A | |
| Detergents | A | A | A | A | | | A | | A | | | A | B | A | B | B | A | A | A | A | A | | B | A | C | A | |
| Dichlorethane | A | A | | | | | | | D | D | A | | | A | | D | | | | B | | | D | | D | A | |
| Diesel Fuel | A | A | A | A | | A | A | | | | | D | A | | | | D | A | A | A | A | | D | D | D | A | |
| Diethylamine | A | | A | A | | | | | D | | A | B | D | | | | C | | A | D | B | | B | B | C | A | |
| Diethylene Glycol | A | | | A | | | | | | | | A | A | A | B | B | | | | A | A | C | A | A | A | A | |
| Diphenyl Oxide | A | | | A | | | | | | | | | A | | | | | | | A | A | D | | D | D | A | |
| Dyes | A | A | B | C | | | | | | | | A | A | | | | | | | A | | | C | | | A | |
| Epsom Salts (Magnesium Sulfate) | A | A | A | B | | | | | A | | | A | A | | | | A | | A | A | A | | A | | C | A | |
| Ethane | A | | A | A | | | | | | | | D | A | | | | | | | A | A | A | | B | D | D | A |
| Ethanolamine | A | A | | | | | C | | | | | | D | | | | | | A | A | D | B | C | B | | C | A |
| Ether ³ | A | A | A | B | A | | B | | D | C | | D | A | C | | | | | A | A | C | D | | D | C | D | A |
| Ethyl Acetate ² | A | A | B | B | | | C | D | D | D | A | D | A | A | D | C | C | A | A | D | D | C | D | B | D | A | |
| Ethyl Chloride | A | A | B | B | | C | D | A | D | D | A | D | A | A | | D | D | A | A | A | D | D | C | A | A | A | |
| Ethyl Sulfate | D | | | | | | | | | | | | | B | | | | | A | A | A | | | | | A | |
| Ethylene Chloride ² | A | A | C | A | | C | C | | D | | A | D | A | | D | | | D | A | A | A | D | D | D | C | D | A |
| Ethylene Dichloride | A | A | D | C | | | C | | D | D | A | D | A | A | | D | A | A | A | A | D | D | D | C | D | A | |
| Ethylene Glycol ⁴ | A | A | A | B | B | B | C | A | A | B | A | A | A | A | B | B | A | A | A | A | A | C | A | A | A | A | A |

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 B - Minor effect - Good 2. Polypropylene - Satisfactory to 72f F.
 C - Moderate effect - Fair 3. Polypropylene - Satisfactory to 120f F.
 D - Severe effect - Not recommended 4. Buna-N - Satisfactory for "O" Rings
 5. Polyacetal - Satisfactory to 72f F.
 6. Ceramag - Satisfactory to 72f F.

| | 304 Stainless Steel | 316 Stainless Steel | Aluminum | Cast Bronze | Brass | Cast Iron | Carbon Steel | Kynar | PVC (Type 1) | Tygon (E-3606) | Teflon | Noryl | Polyacetal | Nylon | Cycolac (ABS) | Polyethylene | Polypropylene | Ryton | Ceramic | fluoroelastomers (r) ^(r) | Buna N (Nitrile) | Silicon | Neoprene | Ethylene Propylene (EPM) | Rubber (Natural) | Epoxy |
|-----------------|---------------------|---------------------|----------|-------------|-------|-----------|--------------|-------|--------------|----------------|--------|-------|------------|-------|---------------|--------------|---------------|-------|---------|-------------------------------------|------------------|---------|----------|--------------------------|------------------|-------|
| Ethylene Oxide | | A | A | A | | | | | D | | A | A | A | A | | | | | A | D | D | D | D | C | D | A |
| Fatty Acids | A | A | B | C | | D | | | A | A | B | A | B | A | | B | A | | A | A | C | C | B | C | C | A |
| Ferric Chloride | D | D | D | D | D | D | | | A | A | B | A | A | B | D | | B | A | A | A | D | C | B | A | A | A |
| Ferric Nitrate | A | A | D | D | | | | | A | A | | A | A | B | D | | B | A | A | A | A | D | A | A | A | A |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ferric Sulfate | A | C | D | D | D | D | | A | A | B | A | A | B | A | C | | A | A | A | A | B | C | A | | A | A | |
| Ferrous Chloride | D | D | D | C | | D | | A | A | B | A | A | B | D | | B | A | A | A | A | B | C | A | | A | A | |
| Ferrous Sulfate | A | C | D | C | | D | D | A | A | B | A | A | B | D | | B | A | A | A | A | B | | A | | A | A | |
| Fluoboric Acid | D | B | | | | D | | A | A | B | A | B | B | C | | B | A | | D | A | B | | A | | | A | |
| Fluorine | D | D | D | D | | D | D | | C | | C | | | D | | C | | | | | | | | | | D | |
| Fluosilic Acid | | B | D | | | D | | A | A | B | A | A | B | D | | B | A | | D | B | A | | A | | | C | |
| Formaldehyde 40% | | A | | | | | | B | B | | A | A | | D | | | A | A | A | D | B | B | A | | | A | |
| Formaldehyde | A | A | A | A | B | D | A | | A | B | A | D | A | A | | B | A | A | A | D | C | B | D | B | C | A | |
| Formic Acid ⁶ | A | B | D | C | C | D | D | A | D | B | A | A | D | D | | B | A | A | A | B | D | C | D | A | C | B | |
| Fruit Juice | A | A | B | B | | D | D | | A | | D | A | B | A | | B | A | | A | A | A | | A | | | A | |
| Fuel Oils | A | A | A | B | | C | B | A | A | | A | A | A | A | | D | B | A | A | A | A | C | B | D | D | A | |
| Furan Resin | A | A | A | A | | A | A | | | | A | | A | | | | | A | A | A | D | | D | | D | A | |
| Furfural ¹ | A | A | A | A | | | A | D | D | | A | D | B | A | D | D | D | A | A | D | D | D | D | B | D | A | |
| Gallic Acid | A | A | A | A | | D | D | | A | A | A | | | A | | | | | | B | A | | | | | | |
| Gasoline ^{1 4} | A | A | A | A | | A | A | A | C | | A | D | A | A | D | D | C | A | A | A | A | D | D | C | D | A | |
| Gelatin | A | A | A | A | C | D | D | | A | | A | A | A | A | | | A | | A | A | A | | A | A | A | A | |
| Glucose | | A | A | A | A | B | B | | A | B | A | B | A | A | B | B | A | | A | A | A | B | A | A | A | A | |
| Glue P.V.A. ¹ | B | A | B | A | | | A | | A | B | A | | A | A | | | | | A | A | A | | A | | | A | |
| Glycerine | A | A | A | A | B | B | B | A | A | B | A | A | A | A | C | | A | | A | A | A | B | A | A | A | A | |
| Cyclic Acid | | | | | | | | | | A | | A | C | | | B | A | A | | A | A | | A | | | A | |
| Gold Monocyanide | | A | | A | | D | | | | | | | A | | | | | | A | A | A | | A | | | A | |
| Grape Juice | A | A | B | B | | D | | | A | | | A | B | | B | B | | | A | A | A | | A | | | A | |
| Grease ⁴ | A | A | A | B | | A | A | | | | A | | A | A | | | | | A | A | A | | D | | | A | |
| Heptane ¹ | | A | A | A | | | B | A | A | | A | D | A | A | C | D | D | A | A | A | A | | B | D | | A | |
| Hexane ¹ | A | A | A | B | | | B | A | C | | A | D | A | A | D | | C | A | A | A | A | B | B | D | D | A | |
| Honey | A | A | A | A | | A | | | A | | | A | A | A | B | | A | | A | A | A | | A | A | | A | |
| Hydraulic Oils (Petroleum) ¹ | A | A | A | B | | A | A | | | | A | | A | A | | | D | | A | A | A | | B | D | D | A | |
| Hydraulic Oils (Synthetic) ¹ | A | A | A | A | | A | | | | | | | A | A | | | D | | A | A | C | D | | | | A | |
| Hydrazine | A | A | | | | C | | | | | | | | D | | | | | | A | B | D | B | A | C | A | |
| Hydrobromic Acid 20% | | D | | | | | | A | A | | A | A | | D | | | A | | B | A | D | | C | | | B | |
| Hydrobromic Acid ⁴ | D | D | D | D | | D | D | A | A | B | A | C | D | D | | B | B | | A | A | D | D | D | A | A | A | |
| Hydrochloric/ Muratic Acid (Dry gas) | C | A | D | | | | D | | A | | A | | | | | | | | | | | | | A | | A | |
| Hydrochloric/ Muratic Acid (20%) ⁴ | D | D | D | D | | D | | A | A | B | A | A | D | D | B | A | A | D | A | A | C | | C | A | C | A | |
| Hydrochloric/ Muratic Acid (37%) ⁴ | D | D | D | D | | D | | A | A | B | A | A | D | D | C | A | A | D | C | A | C | C | C | C | D | A | |
| Hydrochloric/ Muratic Acid (100%) | D | D | D | D | | D | | | A | A | A | | | D | | A | | | | C | C | D | | C | | A | A |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|---|---|---|---|---|---|---|---|---|---|---|---|
| Hydrocyanic Acid | A | A | A | D | D | | C | | A | B | A | A | B | A | | B | A | | A | A | C | | B | | A | A | |
| Hydrocyanic Acid (Gas 10%) | D | D | | | | | | | A | | A | | | | | | | | | | | | C | | A | C | A |
| Hydrofluoric Acid (20%) ¹ | D | D | D | D | | D | | | D | B | A | A | D | D | | C | A | C | C | A | D | | C | A | C | B | |
| Hydrofluoric Acid (75%) ^{1,2} | C | D | D | D | | D | | A | C | B | A | D | D | D | | C | B | C | D | A | D | D | D | C | C | C | |
| Hydrofluoric Acid 100% | D | D | D | D | | D | D | | C | D | A | | | | | D | | C | D | | D | | D | | D | A | |

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|------------------------------------|---------------------|---------------------|----------|-------------|-------|-----------|--------------|-------|--------------|----------------|--------|-------|------------|-------|----------------|--------------|---------------|-------|---------|----------------------|------------------|---------|----------|--------------------------|------------------|-------|
| Hydrofluosilicic Acid (20%) | D | D | D | A | | D | | | D | | A | B | D | D | | | A | | D | A | B | B | A | A | A | C |
| Hydrofluosilicic Acid | D | D | C | D | | | | | | C | A | | | | | | | | | | | D | A | | | |
| Hydrogen Gas | A | A | A | A | | B | B | A | A | | A | | | | | | | | | A | | | | | | A |
| Hydrogen Peroxide 10% | C | C | A | D | D | D | | | A | A | A | | | D | | A | | B | A | | A | | D | | C | D |
| Hydrogen Peroxide 30% | | B | | | D | | | | A | | A | | | D | | | A | C | | A | D | | C | | | B |
| Hydrogen Peroxide | A | B | A | D | D | D | D | C | A | C | A | B | D | D | | B | A | C | A | A | D | C | D | C | C | A |
| Hydrogen Sulfide, Aqueous Solution | D | A | C | D | C | D | | A | A | B | A | A | D | D | | B | A | A | A | D | C | | B | A | D | A |
| Hydrogen Sulfide (dry) | C | A | D | D | C | B | B | | A | | A | | | D | | | | A | A | D | | | | | A | A |
| Hydroxyacetic Acid (70%) | | | D | | | | | | A | | | | D | | | | | | A | A | A | | A | A | | A |
| Ink | A | A | C | C | | D | D | | | | | B | A | A | | B | | | A | A | A | | A | | | A |
| Iodine | D | D | D | D | | D | | | D | B | A | A | C | D | D | D | D | | A | A | B | | D | B | D | A |
| Iodine (In Alcohol) | | B | | | | | | | D | | A | C | | D | | | B | | A | A | D | | D | | | |
| Iodoform | C | A | A | C | | C | B | | | | A | | | A | | | | | | A | | | | | | |
| Isotane ² | | | A | | | | | | | | | D | A | | | | D | | A | A | A | | | | D | A |
| Isopropyl Acetate | | B | C | | | | | | | | | | A | | | | | | A | D | D | | D | B | D | A |
| Isopropyl Ether ² | | A | A | A | | | A | | | | A | D | A | | | | D | | A | D | B | | D | D | D | |
| Jet Fuel (JP#, JP4, JP5) | A | A | A | A | | A | A | A | A | | A | D | A | A | | | D | A | A | A | A | D | D | D | D | A |
| Kerosene ² | A | A | A | A | A | A | B | A | A | D | A | D | A | A | B | D | D | A | A | A | A | D | D | A | D | A |
| Ketones | A | A | B | A | | A | A | D | D | D | A | D | B | A | | D | D | A | A | D | D | | D | D | C | C |
| Lacquers | A | A | A | A | C | C | C | | | D | | C | A | A | | | A | | A | D | D | | D | | D | A |
| Lacquer Thinners | | A | | | C | | | | C | | A | D | | A | | | B | | A | | D | | D | A | | |
| Lactic Acid | A | B | C | D | | D | D | C | A | B | A | A | B | C | | B | A | A | A | B | B | | A | B | A | A |
| Lard | A | A | A | A | | A | C | | A | | | | A | A | C | | A | | A | A | A | C | B | | D | A |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Latex | A | A | A | A | | | | | | | A | A | A | | B | | | A | A | A | | C | A | | A | | | | | |
| Lead Acetate | A | A | D | C | | | D | | A | B | A | A | A | A | | B | A | | A | D | B | | D | A | A | A | | | | |
| Lead Sulfamate | | | | | | | | | | | | | A | | | | | | A | B | C | A | D | C | A | | | | | |
| Ligroin ³ | | A | | A | | | | | | | | D | A | | | | | D | | | | | B | A | D | A | | | | |
| Lime | A | A | C | A | | A | | | A | | | A | D | | C | | | | A | A | A | C | B | D | | A | | | | |
| Lubricants | A | A | A | B | | | | | A | | A | | A | A | B | | | A | A | A | A | C | D | | D | A | | | | |
| Magnesium Carbonate | A | A | | | | | | | A | | | A | A | | | | | B | A | | A | | A | A | | A | | | | |
| Magnesium Chloride | B | B | D | B | C | D | C | | A | B | A | A | A | A | | | | B | A | A | A | A | A | | A | A | | | | |
| Magnesium Hydroxide | A | A | D | C | B | B | B | A | A | | A | A | A | A | | | | B | A | A | A | A | B | | B | C | A | | | |
| Magnesium Nitrate | A | A | | | | | | | A | | A | A | A | A | | | | B | A | | A | A | A | | A | | A | | | |
| Magnesium Oxide | A | A | | | | | | | | | | | A | | | | | | | | A | | A | | A | | A | | | |
| Magnesium Sulfate | B | A | B | B | B | C | B | | A | B | A | A | A | A | | | | B | A | A | A | A | A | | A | D | C | A | | |
| Maleic Acid | A | A | B | C | | | B | | A | B | A | A | C | A | | | | | C | | | A | A | D | | A | D | D | A | |
| Maleic Anhydride | | | | | | | | | | | | | C | | | | | | | | A | A | D | | D | | D | A | | |
| Malic Acid | A | A | C | D | | | D | | A | | A | | | A | | | | | | | A | B | | | A | | A | | A | |
| Mash | A | A | | A | | | | | | | | A | A | | | | | | | | A | | A | | A | | | | A | |
| Mayonnaise | A | A | D | D | | D | D | | | | | A | A | A | A | B | | | | A | | A | A | A | | | | | A | |
| Melamine | D | D | | D | | | | | | | | | D | | | | | | | | A | | | C | | | | | A | |
| Mercuric Chloride (Dilute Solution) | D | D | D | D | D | D | D | | A | A | A | A | A | A | | | | | B | A | | A | A | A | | A | A | A | A | |
| Mercuric Cyanide | A | A | D | D | | | D | | A | | A | A | A | | | | | | | B | A | | A | | | | | | A | |
| Mercury | A | A | C | D | D | A | A | | A | | A | A | A | A | | | | | | B | A | | A | A | A | | A | A | A | A |

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|-------------------------------|---------------------|---------------------|----------|-------------|-------|-----------|--------------|-------|--------------|----------------|--------|-------|------------|-------|----------------|--------------|---------------|-------|---------|----------------------|------------------|---------|----------|--------------------------|------------------|-------|---|
| Methanol (See Alcohol Methyl) | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Methyl Acetate | | A | A | A | | | B | | | | A | | A | | D | | | | | A | D | D | D | B | B | D | |
| Methyl Acrylate | | | | | | | | | | | | | A | | | | | | | A | D | D | | B | B | D | A |
| Methyl Acetone | | A | A | A | | A | A | | | | A | D | A | | | | | | | A | D | D | | D | | | C |
| Methyl Alcohol 10% | | A | C | C | | | B | | A | | A | | | A | | | | | | | | | B | | | A | A |
| Methyl Bromide | | | | | | | | | | | | | A | | | D | | | | A | A | B | | D | D | D | B |
| Methyl Butyl Ketone | | A | A | | | | | | | | | D | B | | | | | | | A | D | D | C | D | A | D | B |
| Methyl Cellosolve | | | A | A | | | | | | | | C | B | | | | | | | A | D | D | | D | B | D | C |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Methyl Chloride | A | A | D | A | | | | A | D | | A | D | A | A | | D | D | | A | A | D | D | D | C | D | A | |
| Methyl Dichloride | | | | | | | | | | | | D | A | | | | | | A | A | D | | D | D | D | A | |
| Methyl Ethyl Ketone | A | A | A | A | | | | D | D | | A | D | B | A | D | D | A | A | A | D | D | C | D | A | D | B | |
| Methyl Isobutyl Ketone ² | | A | | | | | | D | D | | A | D | B | A | D | | C | A | A | D | D | C | D | C | D | B | |
| Methyl Isopropyl Ketone | | A | | | | | | | | | | D | B | A | | | | | A | D | D | B | D | B | D | B | |
| Methyl Methacrylate | | | | | | | | | | | | | A | | | | | | A | D | D | | D | D | D | A | |
| Methylamine | | A | A | D | | B | B | | | | | B | D | | | | | | A | | B | | | | | A | |
| Methylene Chloride | A | A | A | A | C | | B | D | D | | A | D | A | D | | D | D | | A | D | D | | D | D | D | A | |
| Milk | A | A | A | C | C | D | D | | A | | | A | A | A | B | B | A | | A | A | A | B | A | A | A | A | |
| Molasses | A | A | A | A | B | A | A | | A | | | B | A | A | | B | A | | A | A | A | | A | | | A | |
| Mustard | A | A | B | B | | C | B | | A | | | B | B | A | B | | A | | A | A | B | C | C | | | A | |
| Naphtha | A | A | A | B | | B | B | A | A | C | A | D | A | A | C | D | A | A | A | A | B | D | D | D | D | A | |
| Naphthalene | A | B | B | C | | B | A | A | D | | A | D | A | | | D | B | A | A | B | D | | D | D | D | A | |
| Nickel Chloride | A | B | D | D | | D | | A | A | B | A | A | B | A | | B | A | | A | A | A | | A | A | A | A | |
| Nickel Sulfate | A | B | D | C | C | D | D | A | A | A | A | A | B | A | | B | A | | A | A | A | | A | A | C | A | |
| Nitric Acid (10% Solution) | A | A | D | D | | D | D | A | A | B | A | A | D | D | C | B | A | D | B | A | D | | D | B | D | A | |
| Nitric Acid (20% Solution) | A | A | D | D | | D | | B | A | B | A | A | D | D | D | B | A | C | C | A | D | | D | D | D | B | |
| Nitric Acid (50% Solution) | A | A | D | D | | D | | B | A | B | A | A | D | D | D | C | D | C | A | A | D | | D | D | D | D | |
| Nitric Acid (Concentrated Solution) | D | B | B | D | D | D | | D | C | A | D | D | D | D | D | D | D | C | A | B | D | | D | D | D | D | |
| Nitrobenzene ² | A | B | C | D | | B | B | D | D | D | A | D | B | C | D | D | C | B | A | D | D | D | D | D | D | B | |
| Oils: Aniline | A | A | C | A | | A | | | D | | A | D | D | C | D | | A | | A | A | D | | D | B | D | A | |
| Anise | A | A | | | | | | | | | | | A | | | | | | A | | | | D | | | A | |
| Bay | A | A | | | | | | | | | | | A | | | | | | A | A | | | D | | | A | |
| Bone | A | A | | A | | | | | | | | | A | | | | | | A | A | A | | D | | | A | |
| Castor | A | A | A | A | | A | | | A | | | | A | | | | | | A | A | A | | A | B | A | A | |
| Cinnamon | A | A | | | | | | | | | A | | A | | | | A | | A | D | | | D | | | A | |
| Citric | A | A | | D | | D | | | | | | | A | A | | | | A | A | A | A | | D | | | A | |
| Clove | A | A | | | | | | | | | | | A | A | | | | B | A | | A | | | | | A | |
| Coconut | A | A | B | A | | A | | | | | | | A | A | | | | A | | A | A | A | | A | A | D | A |
| Cod Liver | A | A | B | | | | | | | | | | A | A | C | | | A | | A | A | A | | B | A | D | A |
| Corn | A | A | B | B | | A | | | | | | | A | A | C | | | A | | A | A | A | | D | C | D | A |
| Cotton Seed | A | A | B | B | | A | C | | A | | A | | A | A | C | | | A | A | A | A | A | | D | C | D | A |
| Creosote ² | A | A | A | | | | | | | | | | D | | | | | D | | A | A | A | | B | D | D | A |
| Diesel Fuel (2D, 3D, 4D, 5D) | A | A | A | A | | | | | | | | D | A | A | | | | A | A | A | A | A | | D | D | D | A |
| Fuel (1, 2, 3, 5A, 5B, 6) | A | A | A | A | | | | | A | | A | D | A | | | | | B | | A | A | B | | D | D | D | A |

| Ginger | A | A | | | | | | | | | | | A | | | | | | A | A | A | | A | | | A |
|---|---------------------|---------------------|----------|-------------|-------|-----------|--------------|-------|--------------|----------------|--------|-------|------------|-------|--------------|--------------|---------------|-------|---------|---------------------|------------------|---------|----------|--------------------------|------------------|-------|
| A - No effect - Excellent 1. P.V.C. - Satisfactory to 72f F. | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B - Minor effect - Good 2. Polypropylene - Satisfactory to 72f F. | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C - Moderate effect - Fair 3. Polypropylene - Satisfactory to 120f F. | | | | | | | | | | | | | | | | | | | | | | | | | | |
| D - Severe effect - Not recommended 4. Buna-N - Satisfactory for "O" Rings | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5. Polyacetal - Satisfactory to 72f F. | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6. Ceramag - Satisfactory to 72f F. | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 304 Stainless Steel | 316 Stainless Steel | Aluminum | Cast Bronze | Brass | Cast Iron | Carbon Steel | Kynar | PVC (Type 1) | Tygon (E-3606) | Teflon | Noryl | Polyacetal | Nylon | Cycloc (ABS) | Polyethylene | Polypropylene | Ryton | Ceramic | floroelastomers (r) | Buna N (Nitrile) | Silicon | Neoprene | Ethylene Propylene (EPM) | Rubber (Natural) | Epoxy |
| Oils: Hydraulic (See Hydraulic) | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lemon | A | A | | | | | | | | | | | A | | | | D | | A | A | | | | D | | A |
| Linseed | A | A | A | A | | A | | | A | B | | | A | A | C | | A | | A | A | A | | D | D | D | A |
| Mineral | A | A | A | A | | A | B | | A | | | B | A | A | | | B | A | A | A | A | | B | D | D | A |
| Olive | A | A | A | B | | A | B | | A | | A | | A | A | | | A | | A | A | A | C | B | | D | A |
| Orange | 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 | | D | | D | A |
| Peppermint ² | A | A | | A | | | | | | | | | A | | | | D | | A | A | D | | D | | | A |
| Pine | A | A | A | D | | C | B | | A | | A | | A | | | | | | A | A | A | | D | | D | A |
| Rape Seed | 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 | A | A | B | B | C | C | C | | A | C | A | C | B | A | B | D | C | | A | D | B | D | D | D | D | A |
| Oleum 25% | | | | | | | | B | D | | A | D | | | | | | | A | A | D | D | D | D | | D |
| Oleum | | A | B | C | C | | B | D | D | | A | | D | | | | D | | A | A | C | D | D | D | D | A |
| Oxalic Acid (cold) | A | B | C | B | C | D | D | | A | B | A | C | C | D | | A | A | | A | A | B | C | B | A | C | A |
| Paraffin | A | A | A | A | | B | B | A | A | | A | B | A | A | B | | A | | A | A | A | | | | | A |
| Pentane | C | C | A | A | | B | B | | | | A | D | A | A | D | | | | A | A | A | | B | D | D | A |
| Perchloroethylene ² | A | A | A | C | | B | B | A | | | A | D | A | | D | | D | A | A | A | C | D | D | D | D | A |
| Petrolatum | | A | B | B | | C | C | | | | A | D | A | A | B | | | | A | A | A | | B | A | D | A |
| Phenol 10% | A | A | A | C | | B | D | | A | C | A | | | | D | | | | A | | B | D | | C | D | C |
| Phenol (Carbolic Acid) | A | A | B | B | D | D | D | A | A | C | A | C | D | D | | D | B | A | D | A | D | | D | D | D | B |
| Phosphoric Acid (40% Solution) | B | A | D | D | D | D | | | A | B | A | A | D | D | C | B | A | A | C | A | D | | D | B | C | A |
| Phosphoric Acid (40% - 100% Solution) | C | B | D | D | D | D | | | A | B | A | A | D | D | D | C | A | A | D | A | D | | D | B | C | C |
| Phosphoric Acid (Crude) | D | C | D | D | D | D | D | A | | | A | | D | D | D | C | | | A | D | A | D | D | B | | A |
| Phosphoric Anhydride (Dry or Moist) | A | A | | | D | | | | D | D | 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 | | | D | | | A | | | A | C | | | B | A | | A | A | | A | | | A |
| Phthalic Anhydride | A | B | B | B | | C | C | | | | A | | | A | | | | | A | C | | | | | |
| Picric Acid | A | A | C | D | D | D | D | | A | A | A | | | A | | A | | | A | A | D | A | | A | A |
| Plating Solutions Antimony Plating 130f F | | A | | | | | | | A | | A | A | | D | | | | A | | A | A | D | A | | B |
| Arsenic Plating 110f F | | A | | | | | | | A | | A | A | | A | | | | A | | C | A | A | D | A | B |
| Brass Plating Regular Brass Bath 100f F | | A | | | | | | | A | | A | A | | A | | | | A | | C | A | A | D | A | B |
| High Speed Brass Bath 110f F | | A | | | | | | | A | | A | A | | A | | | | A | | D | A | A | D | A | B |
| Bronze Plating Copper Cadmium Bronze Bath R.T. | | A | | | | | | | A | | A | A | | A | | | | A | | C | A | A | D | A | B |
| Copper-Tin Bronze Bath 160f F | | A | | | | | | | D | | A | A | | A | | | | A | | D | A | A | D | B | C |
| Copper-Zinc Bronze Bath 100f F | | A | | | | | | | A | | A | A | | A | | | | A | | C | A | A | | A | B |
| Cadmium Plating Cyanide Bath 90f F | | A | | | | | | | A | | A | A | | A | | | | A | | C | A | A | | A | B |

A - No effect - Excellent 1. P.V.C. - Satisfactory to 72f F.

B - Minor effect - Good 2. Polypropylene - Satisfactory to 72f F.

C - Moderate effect - Fair 3. Polypropylene - Satisfactory to 120f F.

D - Severe effect - Not recommended 4. Buna-N - Satisfactory for "O" Rings

5. Polyacetal - Satisfactory to 72f F.

6. Ceramag - Satisfactory to 72f F.

| | 304 Stainless Steel | 316 Stainless Steel | Aluminum | Cast Bronze | Brass | Cast Iron | Carbon Steel | Kynar | PVC (Type I) | Tygon (E-3606) | Teflon | Noryl | Polyacetal | Nylon | Cycolac (ABS) | Polyethylene | Polypropylene | Ryton | Ceramic | fluoroelastomers (r) | Buna N (Nitrile) | Silicon | Neoprene | Ethylene Propylene (EPM) | Rubber (Natural) | Epoxy |
|--|---------------------|---------------------|----------|-------------|-------|-----------|--------------|-------|--------------|----------------|--------|-------|------------|-------|---------------|--------------|---------------|-------|---------|----------------------|------------------|---------|----------|--------------------------|------------------|-------|
| Cadmium Plating Fluoborate Bath 100f F | | A | | | | | | | A | | A | A | | D | | | A | | D | A | B | | C | | | B |
| Chromium Plating Chromic-Sulfuric Bath 130f F | | C | | | | | | | A | | A | D | | D | | | A | | A | C | D | | D | | | D |
| Fluosilicate Bath 95f F | | C | | | | | | | A | | A | D | | D | | | A | | B | C | D | | D | | D | D |
| Fluoride Bath 130f F | | D | | | | | | | A | | A | D | | D | | | A | | B | C | D | | D | | | D |
| Black Chrome Bath 115f F | | C | | | | | | | A | | A | D | | D | | | A | | A | C | D | | D | | | D |
| Barrel Chrome Bath 95f F | | D | | | | | | | A | | A | D | | D | | | A | | A | C | D | | D | | | D |
| Copper Plating (Cyanide) Copper Strike Bath 120f F | | | A | | | | | | | | A | A | | | | | | | C | B | | | A | | | |
| Rochelle Salt Bath 150f F | | A | | | | | | | D | | A | A | | A | | | A | | D | A | A | | B | | | C |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|---|--|---|--|--|---|--|---|---|---|---|--|--|---|--|---|---|---|--|---|--|--|---|
| High Speed Bath 180f F | | A | | | | | D | | A | A | | A | | | A | | D | A | A | | B | | | C |
| Copper Plating (Acid) Copper Sulfate Bath R.T. | | D | | | | | A | | A | A | | D | | | A | | D | A | A | | A | | | D |
| Copper Fluoborate Bath 120f F | | D | | | | | A | | A | A | | D | | | A | | D | A | B | | C | | | D |
| Copper (Misc.) Copper Pyrophosphate 140f F | | A | | | | | A | | A | A | | A | | | A | | B | A | A | | A | | | B |
| Copper (Electroless) 140f F | | | | D | | | A | | A | A | | A | | | A | | D | A | D | | D | | | B |
| Gold Plating Cyanide 150f F | | A | | C | | | D | | A | A | | A | | | A | | B | A | A | | A | | | D |
| Neutral 75f F | | C | | | | | A | | A | A | | A | | | A | | A | A | A | | A | | | A |
| Acid 75f F | | C | | | | | A | | A | A | | A | | | A | | A | A | A | | A | | | A |
| Indium Sulfamate Plating R.T. | | C | | | | | A | | A | A | | D | | | A | | A | A | A | | A | | | A |
| Iron Plating Ferrous Chloride Bath 190f F | | D | | | | | D | | A | A | | D | | | C | | A | A | B | | D | | | D |
| Ferrous Sulfate Bath 150f F | | C | | | | | D | | A | A | | D | | | A | | A | A | A | | B | | | D |
| Ferrous Am. Sulfate Bath 150f F | | C | | | | | D | | A | A | | D | | | A | | A | A | A | | B | | | D |
| Sulfate-Chloride Bath 160f F | | D | | | | | D | | A | A | | D | | | A | | A | A | B | | C | | | D |
| Fluoborate Bath 145f F | | D | | | | | D | | A | A | | D | | | A | | D | A | B | | C | | | D |
| Sulfamate 140f F | | D | | | | | A | | A | A | | D | | | A | | A | A | A | | A | | | A |
| Lead Fluoborate Plating | | C | | | | | A | | A | A | | D | | | A | | D | A | B | | C | | | A |
| Nickel Plating Watts Type 115 - 160f F | | C | | | | | D | | A | A | | A | | | A | | A | A | A | | A | | | D |
| High Chloride 130 - 160f F | | C | | | | | D | | A | A | | D | | | A | | A | A | A | | B | | | D |
| Fluoborate 100 - 170f F | | C | | D | | | D | | A | A | | D | | | A | | D | A | B | | C | | | D |
| Sulfamate 140f F | | C | | | | | A | | A | A | | A | | | A | | A | A | A | | A | | | A |
| Electroless 200f F | | | | | | | D | | A | D | | D | | | D | | A | A | D | | D | | | B |
| Rhodium Plating 120f F | | D | | | | | A | | A | A | D | D | | | A | | A | A | A | | B | | | A |
| Silver Plating 80 - 120f F | | A | | | | | A | | A | A | | A | | | A | | B | A | A | | A | | | A |
| Tin-Fluoborate Plating 100f F | | C | | | | | A | | A | A | | D | | | A | | D | A | B | | C | | | A |
| Tin-Lead Plating 100f F | | C | | | | | A | | A | A | | D | | | A | | D | A | B | | C | | | A |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|--|---|---|---|---|---|---|---|---|---|---|---|--|---|---|---|--|---|---|---|---|
| Zinc Plating Acid Chloride 140f F | | D | | | | | | A | | A | A | | D | | | A | | A | A | A | | A | | | A |
| Acid Sulfate Bath 150f F | | C | | | | | | D | | A | A | | D | | | A | | A | A | A | | B | | | D |
| Acid Fluoborate Bath R.T. | | | | | | | | A | | A | A | | D | | | A | | D | A | B | | C | | | A |
| Alkaline Cyanide Bath R.T. | | | | | | | | A | | A | A | | A | | | A | | D | A | A | | A | | | A |
| Potash | A | | C | C | | B | | A | B | | A | B | A | | B | A | | A | A | A | | B | | B | A |
| Potassium Bicarbonate | A | | C | B | | D | | A | A | | A | A | C | A | C | B | | A | A | A | | A | | B | A |
| Potassium Bromide | A | | C | C | | D | D | A | A | | A | A | A | C | | B | | A | C | A | | A | A | B | A |

A - No effect - Excellent 1. P.V.C. - Satisfactory to 72f F.

B - Minor effect - Good 2. Polypropylene - Satisfactory to 72f F.

C - Moderate effect - Fair 3. Polypropylene - Satisfactory to 120f F.

D - Severe effect - Not recommended 4. Buna-N - Satisfactory for "O" Rings

5. Polyacetal - Satisfactory to 72f F.

6. Ceramag - Satisfactory to 72f F.

| | 304 Stainless Steel | 316 Stainless Steel | Aluminum | Cast Bronze | Brass | Cast Iron | Carbon Steel | Kynar | PVC (Type I) | Tygon (E-3606) | Teflon | Noryl | Polyacetal | Nylon | Cyclocac (ABS) | Polyethylene | Polypropylene | Ryton | Ceramic | floroelastomers (r) | Buna N (Nitrile) | Silicon | Neoprene | Ethylene Propylene (EPM) | Rubber (Natural) | Epoxy |
|-----------------------------------|---------------------|---------------------|----------|-------------|-------|-----------|--------------|-------|--------------|----------------|--------|-------|------------|-------|----------------|--------------|---------------|-------|---------|---------------------|------------------|---------|----------|--------------------------|------------------|-------|
| Potassium Carbonate | A | | C | C | | B | B | A | A | B | A | A | B | A | | B | A | A | A | A | B | | A | | B | A |
| Potassium Chlorate | A | A | B | B | | B | B | A | A | B | A | A | B | D | | B | A | A | A | A | A | | A | | B | A |
| Potassium Chloride | A | A | B | C | C | B | B | A | A | A | A | A | A | B | C | B | A | A | A | A | A | | A | A | A | A |
| Potassium Chromate | | B | A | A | | A | | | A | | | A | C | | | B | | A | D | A | A | | A | | B | C |
| Potassium Cyanide Solutions | A | B | D | D | | B | B | A | A | | A | A | C | A | | B | A | A | A | B | A | | A | A | A | A |
| Potassium Dichromate | A | A | A | C | | B | C | A | A | | A | A | C | D | | B | A | A | A | B | A | | A | A | A | A |
| Potassium Ferrocyanide | A | | C | A | | | C | | A | | A | | | A | | A | | | | | D | | | | A | A |
| Potassium Hydroxide (50%) | B | B | D | D | D | C | A | D | A | B | A | A | D | A | C | B | A | A | D | D | B | C | A | A | C | A |
| Potassium Nitrate | A | B | B | B | | | B | A | A | C | A | A | B | C | | B | A | C | A | B | A | | A | A | A | A |
| Potassium Permanganate | A | B | B | B | | B | B | A | A | | A | A | C | D | C | B | B | A | A | B | A | | A | | B | B |
| Potassium Sulfate | A | B | A | B | B | B | B | A | A | A | A | A | B | C | | B | A | A | A | A | A | C | A | A | C | A |
| Potassium Sulfide | A | | B | B | | B | B | | A | | A | | | | | | | | | | A | | | | | |
| Propane (Liquified) ¹² | A | | A | A | A | | B | | D | | A | D | A | A | | | D | | A | A | A | D | B | D | D | A |
| Propylene Glycol | B | | A | B | | B | B | | | | A | | B | B | B | B | | | A | A | A | | C | | | A |
| Pyridine | C | | B | | | B | A | D | | D | A | D | D | | | C | B | A | A | D | D | | D | B | D | A |
| Pyrogalllic Acid | A | A | B | B | | B | B | | A | | A | | D | A | | | | | A | A | A | | | | | A |
| Rosins | A | A | A | A | C | | C | | | | A | | B | A | | | A | | A | | A | | | | | A |
| Rum | A | | | | | | | | A | | | A | A | A | | | A | | A | A | A | | A | | | A |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rust Inhibitors | A | | | A | | A | | | | | | A | | | | A | | A | A | A | | C | | | A | | |
| Salad Dressing | A | | B | B | | D | | | A | | | A | A | A | | | A | | A | A | A | | | | | A | |
| Sea Water | A | C | C | C | | | D | | A | | A | A | A | A | | B | A | | A | A | A | B | B | A | A | A | |
| Shellac (Bleached) | A | | A | A | B | B | A | | | | A | | A | A | | | A | | A | | A | | | | | A | |
| Shellac (Orange) | A | | A | A | C | C | A | | | | A | | A | A | | | A | | A | | A | | | | | A | |
| Silicone | B | | B | A | | | | | | | | A | A | A | | | | A | | A | A | A | B | A | A | A | |
| Silver Bromide | C | C | D | | | | | | | | | A | C | | | | | | | | | | | | | A | |
| Silver Nitrate | A | B | D | D | | D | D | A | A | B | A | A | C | A | | B | A | | A | A | A | C | | A | C | A | A |
| Soap Solutions ¹ | A | A | C | B | | B | A | | B | B | A | A | A | A | | B | A | A | A | A | A | B | B | | C | A | |
| Soda Ash (See Sodium Carbonate) | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sodium Acetate | A | A | B | B | | C | C | A | A | | A | A | B | A | | B | A | | A | D | D | | C | | A | A | |
| Sodium Aluminate | | | C | B | | | C | | | | A | A | B | A | | | | A | A | A | A | | A | A | B | A | |
| Sodium Bicarbonate | A | A | A | B | A | C | C | A | A | B | A | A | B | A | B | B | A | A | A | A | A | C | A | A | A | A | |
| Sodium Bisulfate | A | | D | C | C | D | D | A | A | B | A | A | B | C | C | B | A | A | A | B | A | C | A | | A | A | |
| Sodium Bisulfite | A | | A | C | | D | | A | A | B | A | A | B | D | B | B | A | A | A | A | A | C | A | | A | A | |
| Sodium Borate | A | | C | A | | C | C | | C | | A | | | A | | A | | | | A | | B | A | | | | |
| Sodium Carbonate | A | B | C | B | B | B | B | A | A | B | A | A | A | A | C | B | A | A | A | A | A | | A | A | A | A | |
| Sodium Chlorate | A | | B | B | | | C | A | A | B | A | A | D | A | | B | A | A | A | A | D | | A | | A | A | |
| Sodium Chloride | A | C | C | B | C | B | C | A | A | B | A | A | A | A | B | B | A | A | A | A | A | C | A | A | B | A | |
| Sodium Chromate | A | A | D | B | | B | B | | | | A | A | D | A | | | | A | A | B | B | A | | A | | C | |
| Sodium Cyanide | A | | D | D | D | B | B | A | A | | A | A | D | C | | B | A | A | A | A | A | D | A | A | A | A | |
| Sodium Fluoride | C | | C | C | | D | D | | D | D | A | | | A | | C | | | | | B | D | | D | | D | A |
| Sodium Hydrosulfite | | | A | C | | | | | C | A | A | | | A | | | | | | A | A | | | A | | A | |
| Sodium Hydroxide/ Caustic Soda (20%) | A | A | D | C | D | A | | A | A | B | A | A | D | C | C | B | A | A | D | A | A | D | B | A | A | A | |
| Sodium Hydroxide/ Caustic Soda (50%) | A | B | D | C | D | B | | D | A | B | A | A | D | C | C | C | A | B | D | D | D | D | C | | A | A | |
| Sodium Hydroxide/ Caustic Soda (80%) | A | D | D | C | D | C | | | A | B | A | A | D | C | C | C | A | B | D | B | D | D | C | | B | A | |

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 5. Polyacetal - Satisfactory to 72f F.
 6. Ceramag - Satisfactory to 72f F.

| | 304 Stainless Steel | 316 Stainless Steel | Aluminum | Cast Bronze | Brass | Cast Iron | Carbon Steel | Kynar | PVC (Type 1) | Tygon (E-3606) | Teflon | Noryl | Polyacetal | Nylon | Cycolac (ABS) | Polyethylene | Polypropylene | Ryton | Ceramic | fluoroelastomers (r) | Buna N (Nitrile) | Silicon | Neoprene | Ethylene Propylene (EPM) | Rubber (Natural) | Epoxy |
|---|---------------------|---------------------|----------|-------------|-------|-----------|--------------|-------|--------------|----------------|--------|-------|------------|-------|---------------|--------------|---------------|-------|---------|----------------------|------------------|---------|----------|--------------------------|------------------|-------|
| Sodium Hypochlorite/ Bleach ³ (to 20%) | C | C | C | D | D | D | | | A | B | A | A | D | A | | B | C | C | A | A | C | D | D | B | C | B |
| Sodium Hypochlorite/ Bleach | | D | D | D | | D | D | A | A | | A | A | | A | | | C | C | D | B | B | C | A | | | A |
| Sodium Hyposulfate | A | A | D | D | | | | | | | A | | | | | | | | | | | | C | | C | C |
| Sodium Metaphosphate ² | | A | A | C | C | B | B | | | | A | | B | A | | | D | | A | A | A | | B | A | A | A |
| Sodium Metasilicate | | A | B | B | | C | C | | | | A | | D | | | | | | | A | A | D | A | | | A |
| Sodium Nitrate | A | A | A | B | C | A | B | A | A | B | A | A | B | A | | B | A | | A | D | C | D | B | A | C | A |
| Sodium Perborate | | C | B | C | C | B | B | | | | A | A | B | A | | | A | | A | A | B | D | B | A | C | A |
| Sodium Peroxide | A | A | C | C | C | D | C | | A | | A | | D | D | | | | | A | A | C | D | B | A | C | A |
| Sodium Polyphosphate (Mono, Di, Tribasic) | A | A | D | C | | | | | | | A | A | B | | | | | | A | A | A | | D | A | A | A |
| Sodium Silicate | A | B | C | C | C | | B | | A | B | A | A | C | A | | | A | | A | A | A | | A | A | A | A |
| Sodium Sulfate | A | A | B | B | B | A | B | | A | | A | A | B | A | | B | A | A | A | A | A | | A | A | C | A |
| Sodium Sulfide | A | B | D | D | D | A | B | | A | B | A | A | B | A | | B | A | A | A | A | C | | A | A | C | A |
| Sodium Sulfite | C | C | C | C | | A | | | A | A | A | | | D | | A | | | A | A | A | | A | | A | A |
| Sodium Tetraborate | | A | | | | | | | A | | | A | B | | | | | | A | A | A | | | | | A |
| Sodium Thiosulphate ("Hypo") | A | A | B | 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 |
| Soy Sauce | A | A | A | A | | D | | | | | | A | A | A | | | | | A | A | A | | A | | D | A |
| Stannic Chloride | D | D | D | D | | D | D | A | 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 | C | D | D | | D | D | | A | A | A | | | D | | A | | | | B | C | D | D | | A | A |
| Starch | A | A | A | B | | C | C | | A | | A | A | A | A | | B | | | A | A | A | | A | | | A |
| Stearic Acid ² | A | A | B | C | C | C | C | A | A | B | A | A | A | A | | B | D | | A | A | B | D | B | B | C | A |
| Stoddard Solvent | A | A | A | A | A | B | B | A | A | D | A | D | A | A | B | D | D | A | A | A | B | D | D | D | D | A |
| Styrene | A | A | A | A | | | A | | | | A | A | A | | | | | | A | B | D | D | D | D | D | A |
| Sugar (Liquids) | A | A | A | A | | B | B | | | | A | A | A | A | B | | A | | A | A | A | | B | | A | A |
| Sulfate Liquors | C | C | B | C | | | | | | | | | D | | | | A | | A | | | | C | | | A |
| Sulfur Chloride | D | D | D | C | D | | | | A | C | A | A | D | A | | A | D | | C | A | D | | D | D | D | C |
| Sulfur Dioxide ² | A | A | A | B | | | | B | D | B | A | D | B | D | D | C | D | A | A | D | D | C | B | A | D | A |
| Sulfur Dioxide (dry) | A | A | A | A | C | A | B | | D | | A | | | A | | D | | | A | D | | | D | | D | D |
| Sulfur Trioxide (dry) | A | C | A | B | | B | B | | A | B | A | D | D | D | | | | | A | A | D | | D | B | C | A |
| Sulfuric Acid (to 10%) | D | C | C | D | D | D | | A | A | B | A | A | D | D | B | B | A | A | A | A | C | | D | D | C | A |
| Sulfuric Acid (10% - 75%) ² | D | D | D | D | D | D | | A | A | B | A | B | D | D | B | C | A | B | A | A | D | | D | D | D | B |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sulfuric Acid (75% - 100%) | | D | | D | | | A | B | | A | A | D | | | B | C | A | A | D | | D | | D | | | |
| Sulfurous Acid | C | B | C | D | | D | D | | A | B | A | A | D | D | | B | A | | A | A | C | D | B | B | C | A |
| Sulfuryl Chloride | | | | | | | | | A | | A | | | | | | | A | | | | | | | A | |
| Syrup | A | A | A | D | | | | | A | | | A | A | A | B | | A | | A | A | A | | B | | A | A |
| Tallow | A | A | A | | | | | | | | | A | A | A | | C | | A | A | A | | | | | A | |
| Tannic Acid | A | A | C | B | | C | C | A | A | B | A | A | B | D | | B | A | | A | A | D | C | A | A | A | A |
| Tanning Liquors | A | A | C | A | | | | | A | B | A | | B | | | | A | | A | A | C | | | | | A |
| Tartaric Acid | A | B | C | A | C | D | D | A | A | B | A | A | B | A | | B | A | | A | A | D | C | A | | A | A |
| Tetrachlorethane | | A | | | | | | | D | | A | D | A | A | | | A | | A | A | D | | | D | D | A |
| Tetrahydrofuran | A | A | D | D | | D | A | D | D | | A | D | A | A | | D | C | A | A | D | D | | D | B | D | A |
| Toluene, Toluol ³ | A | A | A | A | A | A | A | A | D | D | A | D | A | A | D | D | D | A | A | C | D | D | D | D | D | A |
| Tomato Juice | A | A | A | C | | C | C | | | | A | A | B | A | B | | A | A | A | A | A | | A | | | A |

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|---|---------------------|---------------------|----------|-------------|-------|-----------|--------------|-------|--------------|----------------|--------|-------|------------|-------|----------------|--------------|---------------|-------|---------|---------------------|------------------|---------|----------|--------------------------|------------------|-------|
| Trichlorethane | C | A | C | C | | C | | | | | A | D | A | | | | | | A | A | D | D | D | D | D | A |
| Trichlorethylene ² | A | A | B | B | A | C | B | A | D | | A | D | A | C | D | D | D | C | A | A | D | D | D | D | D | A |
| Trichloropropane | | A | | A | | | | | | | | D | A | | D | | | | A | A | A | | A | | | A |
| Tricresylphosphate | | A | | A | | | | | D | | A | C | C | | | | | | A | B | D | | D | A | | A |
| Triethylamine | | | | A | | | | | A | | | B | D | | | | | | A | A | A | D | B | | | A |
| Turpentine ³ | A | A | C | B | C | B | B | A | A | B | A | D | A | A | | D | B | A | A | A | D | | D | D | D | A |
| Urine | A | A | B | C | | B | | | A | | | A | A | A | | B | A | | A | A | A | | D | A | | A |
| Vegetable Juice | A | A | A | C | | D | | | | | | A | A | A | | | | | A | A | A | B | D | | D | A |
| Vinegar | A | A | D | B | B | C | D | A | A | | A | A | B | A | B | B | A | A | A | A | C | | B | A | C | A |
| Varnish (Use floroelastomers ^(r) for Aromatic) | A | A | A | A | B | | C | | | | A | D | 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 | | B | | B | A |
| Water, Distilled, Lab Grade 7 | A | A | B | A | | D | | | A | B | A | A | A | A | A | | | | A | A | A | | B | A | A | A |
| Water, Fresh | A | A | A | A | C | B | D | | A | B | A | A | A | A | 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 | | B | A | A | A |
| Weed Killers | A | A | C | C | | | | | | | | A | A | | | | | | A | A | B | | C | | | A |
| Whey | A | A | B | | | | | | | | | A | | | | | | | A | A | A | | | | | A |
| Whiskey and Wines | A | A | D | B | B | D | D | | A | | A | A | A | A | | B | A | | A | A | A | B | A | A | A | A |
| White Liquor (Pulp Mill) | 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 | | | A |
| Xylene ² | A | A | A | A | A | A | B | A | D | | A | D | A | A | D | D | D | A | A | A | D | D | D | D | D | A |
| Zinc Chloride | D | B | D | D | D | D | D | A | A | | A | A | C | A | | B | A | A | A | A | A | | A | A | A | A |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|---|---|---|---|---|---|--|---|---|---|---|
| Zinc Hydrosulphite | | A | D | D | | D | | | | | | A | C | | | | | A | A | | A | | A | A | | A |
| Zinc Sulfate | A | A | D | B | C | C | D | A | C | B | A | A | C | A | | B | A | A | A | A | A | | A | A | C | A |

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