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# Chemical Resistance Table EPDM

This chemical resistance table is from information sources other than Deks Industries and believed to be reliable it is provided for guidance. As conditions vary widely no warranty is expressed or implied without our written approval.

| Chemical | Compatibility |
|---|---|
| Acetaldehyde | A-Excellent |
| Acetamide | A-Excellent |
| Acetate Solvent | A-Excellent |
| Acetic Acid | A-Excellent |
| Acetic Acid 20% | A-Excellent |
| Acetic Acid 80% | A-Excellent |
| Acetic Acid, Glacial | B-Good |
| Acetic Anhydride | B-Good |
| Acetone | A-Excellent |
| Acetyl Bromide | N/A |
| Acetyl Chloride (dry) | D-Severe Effect |
| Acetylene | A-Excellent |
| Acrylonitrile | D-Severe Effect |
| Adipic Acid | $A^2$-Excellent |
| Alcohols:Amyl | A-Excellent |
| Alcohols:Benzyl | B-Good |
| Alcohols:Butyl | $A^2$-Excellent |
| Alcohols:Diacetone | A-Excellent |
| Alcohols:Ethyl | A-Excellent |
| Alcohols:Hexyl | C-Fair |
| Alcohols:Isobutyl | A-Excellent |
| Alcohols:Isopropyl | A-Excellent |
| Alcohols:Methyl | A-Excellent |
| Alcohols:Octyl | A-Excellent |

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| | |
|---|---|
| Alcohols:Propyl | A-Excellent |
| Aluminum Chloride | A-Excellent |
| Aluminum Chloride 20% | A-Excellent |
| Aluminum Fluoride | A-Excellent |
| Aluminum Hydroxide | A-Excellent |
| Aluminum Nitrate | A[2]-Excellent |
| Aluminum Potassium Sulfate 10% | A-Excellent |
| Aluminum Potassium Sulfate 100% | A-Excellent |
| Aluminum Sulfate | A-Excellent |
| Alums | A[1]-Excellent |
| Amines | B-Good |
| Ammonia 10% | A-Excellent |
| Ammonia Nitrate | A-Excellent |
| Ammonia, anhydrous | A-Excellent |
| Ammonia, liquid | A-Excellent |
| Ammonium Acetate | A-Excellent |
| Ammonium Bifluoride | A[2]-Excellent |
| Ammonium Carbonate | A-Excellent |
| Ammonium Caseinate | N/A |
| Ammonium Chloride | A-Excellent |
| Ammonium Hydroxide | A-Excellent |
| Ammonium Nitrate | A-Excellent |
| Ammonium Oxalate | A-Excellent |
| Ammonium Persulfate | B-Good |
| Ammonium Phosphate, Dibasic | A-Excellent |
| Ammonium Phosphate, Monobasic | A-Excellent |
| Ammonium Phosphate, Tribasic | A-Excellent |
| Ammonium Sulfate | A-Excellent |
| Ammonium Sulfite | A[1]-Excellent |
| Ammonium Thiosulfate | A[1]-Excellent |
| Amyl Acetate | A-Excellent |

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|---|---|
| Amyl Alcohol | A-Excellent |
| Amyl Chloride | D-Severe Effect |
| Aniline | B-Good |
| Aniline Hydrochloride | B-Good |
| Antifreeze | A-Excellent |
| Antimony Trichloride | B[1]-Good |
| Aqua Regia (80% HCl, 20% HNO3) | C-Fair |
| Arochlor 1248 | B-Good |
| Aromatic Hydrocarbons | D-Severe Effect |
| Arsenic Acid | A[2]-Excellent |
| Arsenic Salts | N/A |
| Asphalt | D-Severe Effect |
| Barium Carbonate | A-Excellent |
| Barium Chloride | A-Excellent |
| Barium Cyanide | A-Excellent |
| Barium Hydroxide | A-Excellent |
| Barium Nitrate | A-Excellent |
| Barium Sulfate | A-Excellent |
| Barium Sulfide | A-Excellent |
| Beer | A-Excellent |
| Beet Sugar Liquids | A-Excellent |
| Benzaldehyde | A-Excellent |
| Benzene | D-Severe Effect |
| Benzene Sulfonic Acid | D-Severe Effect |
| Benzoic Acid | D-Severe Effect |
| Benzol | D-Severe Effect |
| Benzonitrile | N/A |
| Benzyl Chloride | D-Severe Effect |
| Bleaching Liquors | A-Excellent |
| Borax (Sodium Borate) | A-Excellent |
| Boric Acid | A-Excellent |

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| | |
|---|---|
| Brewery Slop | N/A |
| Bromine | D-Severe Effect |
| Butadiene | C-Fair |
| Butane | D-Severe Effect |
| Butanol (Butyl Alcohol) | $A^2$-Excellent |
| Butter | A-Excellent |
| Buttermilk | $A^1$-Excellent |
| Butyl Amine | N/A |
| Butyl Ether | D-Severe Effect |
| Butyl Phthalate | $B^2$-Good |
| Butylacetate | B-Good |
| Butylene | D-Severe Effect |
| Butyric Acid | B-Good |
| Calcium Bisulfate | A-Excellent |
| Calcium Bisulfide | C-Fair |
| Calcium Bisulfite | D-Severe Effect |
| Calcium Carbonate | A-Excellent |
| Calcium Chlorate | A-Excellent |
| Calcium Chloride | A-Excellent |
| Calcium Hydroxide | A-Excellent |
| Calcium Hypochlorite | $B^1$-Good |
| Calcium Nitrate | $A^2$-Excellent |
| Calcium Oxide | A-Excellent |
| Calcium Sulfate | A-Excellent |
| Calgon | A-Excellent |
| Cane Juice | A-Excellent |
| Carbolic Acid (Phenol) | B-Good |
| Carbon Bisulfide | D-Severe Effect |
| Carbon Dioxide (dry) | B-Good |
| Carbon Dioxide (wet) | B-Good |
| Carbon Disulfide | D-Severe Effect |

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|---|---|
| Carbon Monoxide | A-Excellent |
| Carbon Tetrachloride | D-Severe Effect |
| Carbon Tetrachloride (dry) | B[1]-Good |
| Carbon Tetrachloride (wet) | D-Severe Effect |
| Carbonated Water | N/A |
| Carbonic Acid | B-Good |
| Catsup | A-Excellent |
| Chloric Acid | N/A |
| Chlorinated Glue | B-Good |
| Chlorine (dry) | A-Excellent |
| Chlorine Water | C-Fair |
| Chlorine, Anhydrous Liquid | B-Good |
| Chloroacetic Acid | B-Good |
| Chlorobenzene (Mono) | D-Severe Effect |
| Chlorobromomethane | B-Good |
| Chloroform | D-Severe Effect |
| Chlorosulfonic Acid | D-Severe Effect |
| Chocolate Syrup | A-Excellent |
| Chromic Acid 10% | C-Fair |
| Chromic Acid 30% | B-Good |
| Chromic Acid 5% | A-Excellent |
| Chromic Acid 50% | B-Good |
| Chromium Salts | N/A |
| Cider | A-Excellent |
| Citric Acid | A-Excellent |
| Citric Oils | B-Good |
| Cloroxr (Bleach) | B-Good |
| Coffee | A-Excellent |
| Copper Chloride | A-Excellent |
| Copper Cyanide | A-Excellent |
| Copper Fluoborate | N/A |

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| | |
|---|---|
| Copper Nitrate | N/A |
| Copper Sulfate >5% | A-Excellent |
| Copper Sulfate 5% | A-Excellent |
| Cream | N/A |
| Cresols | D-Severe Effect |
| Cresylic Acid | D-Severe Effect |
| Cupric Acid | $A^2$-Excellent |
| Cyanic Acid | N/A |
| Cyclohexane | D-Severe Effect |
| Cyclohexanone | B-Good |
| Detergents | A-Excellent |
| Diacetone Alcohol | A-Excellent |
| Dichlorobenzene | D-Severe Effect |
| Dichloroethane | N/A |
| Diesel Fuel | D-Severe Effect |
| Diethyl Ether | D-Severe Effect |
| Diethylamine | B-Good |
| Diethylene Glycol | $A^2$-Excellent |
| Dimethyl Aniline | $B^2$-Good |
| Dimethyl Formamide | B-Good |
| Diphenyl | D-Severe Effect |
| Diphenyl Oxide | D-Severe Effect |
| Dyes | N/A |
| Epsom Salts (Magnesium Sulfate) | A-Excellent |
| Ethane | D-Severe Effect |
| Ethanol | A-Excellent |
| Ethanolamine | B-Good |
| Ether | C-Fair |
| Ethyl Acetate | B-Good |
| Ethyl Benzoate | N/A |
| Ethyl Chloride | A-Excellent |

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|---|---|
| Ethyl Ether | D-Severe Effect |
| Ethyl Sulfate | N/A |
| Ethylene Bromide | C-Fair |
| Ethylene Chloride | D-Severe Effect |
| Ethylene Chlorohydrin | B-Good |
| Ethylene Diamine | A-Excellent |
| Ethylene Dichloride | C-Fair |
| Ethylene Glycol | A-Excellent |
| Ethylene Oxide | C-Fair |
| Fatty Acids | D-Severe Effect |
| Ferric Chloride | A-Excellent |
| Ferric Nitrate | A-Excellent |
| Ferric Sulfate | A-Excellent |
| Ferrous Chloride | N/A |
| Ferrous Sulfate | A-Excellent |
| Fluoboric Acid | $A^2$-Excellent |
| Fluorine | $A^1$-Excellent |
| Fluosilicic Acid | $A^2$-Excellent |
| Formaldehyde 100% | A-Excellent |
| Formaldehyde 40% | A-Excellent |
| Formic Acid | A-Excellent |
| Freon 113 | D-Severe Effect |
| Freon 12 | B-Good |
| Freon 22 | A-Excellent |
| Freon TF | D-Severe Effect |
| Freonr 11 | D-Severe Effect |
| Fruit Juice | N/A |
| Fuel Oils | D-Severe Effect |
| Furan Resin | C-Fair |
| Furfural | D-Severe Effect |
| Gallic Acid | B-Good |

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|---|---|
| Gasoline (high-aromatic) | D-Severe Effect |
| Gasoline, leaded, ref. | D-Severe Effect |
| Gasoline, unleaded | D-Severe Effect |
| Gelatin | A-Excellent |
| Glucose | A-Excellent |
| Glue, P.V.A. | A-Excellent |
| Glycerin | A-Excellent |
| Glycolic Acid | A-Excellent |
| Gold Monocyanide | N/A |
| Grape Juice | A-Excellent |
| Grease | D-Severe Effect |
| Heptane | D-Severe Effect |
| Hexane | D-Severe Effect |
| Honey | A-Excellent |
| Hydraulic Oil (Petro) | D-Severe Effect |
| Hydraulic Oil (Synthetic) | A-Excellent |
| Hydrazine | A-Excellent |
| Hydrobromic Acid 100% | A-Excellent |
| Hydrobromic Acid 20% | A-Excellent |
| Hydrochloric Acid 100% | D-Severe Effect |
| Hydrochloric Acid 20% | A-Excellent |
| Hydrochloric Acid 37% | C-Fair |
| Hydrochloric Acid, Dry Gas | N/A |
| Hydrocyanic Acid | B-Good |
| Hydrocyanic Acid (Gas 10%) | A-Excellent |
| Hydrofluoric Acid 100% | D-Severe Effect |
| Hydrofluoric Acid 20% | D-Severe Effect |
| Hydrofluoric Acid 50% | D-Severe Effect |
| Hydrofluoric Acid 75% | C-Fair |
| Hydrofluosilicic Acid 100% | A-Excellent |
| Hydrofluosilicic Acid 20% | A-Excellent |

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|---|---|
| Hydrogen Gas | A-Excellent |
| Hydrogen Peroxide 10% | A-Excellent |
| Hydrogen Peroxide 100% | D-Severe Effect |
| Hydrogen Peroxide 30% | B-Good |
| Hydrogen Peroxide 50% | B-Good |
| Hydrogen Sulfide (aqua) | B-Good |
| Hydrogen Sulfide (dry) | B-Good |
| Hydroquinone | D-Severe Effect |
| Hydroxyacetic Acid 70% | A-Excellent |
| Ink | N/A |
| Iodine | B-Good |
| Iodine (in alcohol) | A-Excellent |
| Iodoform | A-Excellent |
| Isooctane | D-Severe Effect |
| Isopropyl Acetate | B-Good |
| Isopropyl Ether | D-Severe Effect |
| Isotane | N/A |
| Jet Fuel (JP3, JP4, JP5) | D-Severe Effect |
| Kerosene | D-Severe Effect |
| Ketones | A-Excellent |
| Lacquer Thinners | D-Severe Effect |
| Lacquers | D-Severe Effect |
| Lactic Acid | A-Excellent |
| Lard | D-Severe Effect |
| Latex | A-Excellent |
| Lead Acetate | A-Excellent |
| Lead Nitrate | $A^2$-Excellent |
| Lead Sulfamate | A-Excellent |
| Ligroin | D-Severe Effect |
| Lime | D-Severe Effect |
| Linoleic Acid | D-Severe Effect |

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|---|---|
| Lithium Chloride | A[1]-Excellent |
| Lithium Hydroxide | N/A |
| Lubricants | D-Severe Effect |
| Lye: Ca(OH)2 Calcium Hydroxide | A-Excellent |
| Lye: KOH Potassium Hydroxide | A[2]-Excellent |
| Lye: NaOH Sodium Hydroxide | B[1]-Good |
| Magnesium Bisulfate | N/A |
| Magnesium Carbonate | A-Excellent |
| Magnesium Chloride | A-Excellent |
| Magnesium Hydroxide | A-Excellent |
| Magnesium Nitrate | A-Excellent |
| Magnesium Oxide | N/A |
| Magnesium Sulfate (Epsom Salts) | A-Excellent |
| Maleic Acid | D-Severe Effect |
| Maleic Anhydride | D-Severe Effect |
| Malic Acid | D-Severe Effect |
| Manganese Sulfate | A[2]-Excellent |
| Mash | A-Excellent |
| Mayonnaise | N/A |
| Melamine | A-Excellent |
| Mercuric Chloride (dilute) | A[1]-Excellent |
| Mercuric Cyanide | A[1]-Excellent |
| Mercurous Nitrate | A[1]-Excellent |
| Mercury | A-Excellent |
| Methane | D-Severe Effect |
| Methanol (Methyl Alcohol) | A-Excellent |
| Methyl Acetate | B-Good |
| Methyl Acetone | A[1]-Excellent |
| Methyl Acrylate | B-Good |
| Methyl Alcohol 10% | A-Excellent |
| Methyl Bromide | D-Severe Effect |

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| | |
|---|---|
| Methyl Butyl Ketone | A[1]-Excellent |
| Methyl Cellosolve | B[2]-Good |
| Methyl Chloride | D-Severe Effect |
| Methyl Dichloride | D-Severe Effect |
| Methyl Ethyl Ketone | A[2]-Excellent |
| Methyl Ethyl Ketone Peroxide | D-Severe Effect |
| Methyl Isobutyl Ketone | B[1]-Good |
| Methyl Isopropyl Ketone | C[1]-Fair |
| Methyl Methacrylate | D-Severe Effect |
| Methylamine | A[1]-Excellent |
| Methylene Chloride | C[1]-Fair |
| Milk | A-Excellent |
| Mineral Spirits | D-Severe Effect |
| Molasses | A[1]-Excellent |
| Monochloroacetic acid | C-Fair |
| Monoethanolamine | B-Good |
| Morpholine | D-Severe Effect |
| Motor oil | D-Severe Effect |
| Mustard | A-Excellent |
| Naphtha | D-Severe Effect |
| Naphthalene | D-Severe Effect |
| Natural Gas | D-Severe Effect |
| Nickel Chloride | A[1]-Excellent |
| Nickel Nitrate | A[2]-Excellent |
| Nickel Sulfate | A[1]-Excellent |
| Nitrating Acid (<15% HNO3) | N/A |
| Nitrating Acid (>15% H2SO4) | A[1]-Excellent |
| Nitrating Acid (S1% Acid) | N/A |
| Nitrating Acid (S15% H2SO4) | N/A |
| Nitric Acid (20%) | A[1]-Excellent |
| Nitric Acid (50%) | D-Severe Effect |

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|---|---|
| Nitric Acid (5-10%) | A[1]-Excellent |
| Nitric Acid (Concentrated) | D-Severe Effect |
| Nitrobenzene | B[1]-Good |
| Nitrogen Fertilizer | N/A |
| Nitromethane | B[2]-Good |
| Nitrous Acid | A-Excellent |
| Nitrous Oxide | A-Excellent |
| Oils:Aniline | B-Good |
| Oils:Anise | N/A |
| Oils:Bay | N/A |
| Oils:Bone | N/A |
| Oils:Castor | B-Good |
| Oils:Cinnamon | N/A |
| Oils:Citric | B-Good |
| Oils:Clove | N/A |
| Oils:Coconut | D-Severe Effect |
| Oils:Cod Liver | A-Excellent |
| Oils:Corn | C-Fair |
| Oils:Cottonseed | D-Severe Effect |
| Oils:Creosote | D-Severe Effect |
| Oils:Diesel Fuel (20, 30, 40, 50) | D-Severe Effect |
| Oils:Fuel (1, 2, 3, 5A, 5B, 6) | D-Severe Effect |
| Oils:Ginger | A-Excellent |
| Oils:Hydraulic Oil (Petro) | D-Severe Effect |
| Oils:Hydraulic Oil (Synthetic) | A-Excellent |
| Oils:Lemon | D-Severe Effect |
| Oils:Linseed | D-Severe Effect |
| Oils:Mineral | D-Severe Effect |
| Oils:Olive | D-Severe Effect |
| Oils:Orange | N/A |
| Oils:Palm | A-Excellent |

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|---|---|
| Oils:Peanut | D-Severe Effect |
| Oils:Peppermint | N/A |
| Oils:Pine | D-Severe Effect |
| Oils:Rapeseed | A-Excellent |
| Oils:Rosin | N/A |
| Oils:Sesame Seed | N/A |
| Oils:Silicone | A-Excellent |
| Oils:Soybean | C-Fair |
| Oils:Sperm (whale) | N/A |
| Oils:Tanning | N/A |
| Oils:Transformer | D-Severe Effect |
| Oils:Turbine | A-Excellent |
| Oleic Acid | B-Good |
| Oleum 100% | D-Severe Effect |
| Oleum 25% | D-Severe Effect |
| Oxalic Acid (cold) | A-Excellent |
| Ozone | A-Excellent |
| Palmitic Acid | B[1]-Good |
| Paraffin | D-Severe Effect |
| Pentane | D-Severe Effect |
| Perchloric Acid | B-Good |
| Perchloroethylene | D-Severe Effect |
| Petrolatum | A-Excellent |
| Petroleum | D-Severe Effect |
| Phenol (10%) | B-Good |
| Phenol (Carbolic Acid) | B-Good |
| Phosphoric Acid (>40%) | B-Good |
| Phosphoric Acid (crude) | B-Good |
| Phosphoric Acid (molten) | N/A |
| Phosphoric Acid (S40%) | B-Good |
| Phosphoric Acid Anhydride | N/A |

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|---|---|
| Phosphorus | N/A |
| Phosphorus Trichloride | A[1]-Excellent |
| Photographic Developer | B-Good |
| Photographic Solutions | A[1]-Excellent |
| Phthalic Acid | A[1]-Excellent |
| Phthalic Anhydride | A-Excellent |
| Picric Acid | B-Good |
| Plating Solutions, Antimony Plating 130°F | N/A |
| Plating Solutions, Arsenic Plating 110°F | N/A |
| Plating Solutions, Brass Plating: High-Speed Brass Bath 110°F | N/A |
| Plating Solutions, Brass Plating: Regular Brass Bath 100°F | N/A |
| Plating Solutions, Bronze Plating: Cu-Cd Bronze Bath R.T. | A-Excellent |
| Plating Solutions, Bronze Plating: Cu-Sn Bronze Bath 160°F | A-Excellent |
| Plating Solutions, Bronze Plating: Cu-Zn Bronze Bath 100°F | N/A |
| Plating Solutions, Cadmium Plating: Cyanide Bath 90°F | N/A |
| Plating Solutions, Cadmium Plating: Fluoborate Bath 100°F | N/A |
| Plating Solutions, Chromium Plating: Barrel Chrome Bath 95°F | N/A |
| Plating Solutions, Chromium Plating: Black Chrome Bath 115°F | N/A |
| Plating Solutions, Chromium Plating: Chromic-Sulfuric Bath 130°F | N/A |
| Plating Solutions, Chromium Plating: Fluoride Bath 130°F | N/A |
| Plating Solutions, Chromium Plating: Fluosilicate Bath 95°F | N/A |
| Plating Solutions, Copper Plating (Acid): Copper Fluoborate Bath 120°F | N/A |
| Plating Solutions, Copper Plating (Acid): Copper Sulfate Bath R.T. | N/A |
| Plating Solutions, Copper Plating (Cyanide): Copper Strike Bath 120°F | N/A |
| Plating Solutions, Copper Plating (Cyanide): High-Speed Bath 180°F | N/A |
| Plating Solutions, Copper Plating (Cyanide): Rochelle Salt Bath 150°F | N/A |

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|---|---|---|
| Plating Solutions, | Copper Plating (Misc): Copper (Electroless) | N/A |
| Plating Solutions, Pyrophosphate | Copper Plating (Misc): Copper | N/A |
| Plating Solutions, | Gold Plating: Acid 75°F | N/A |
| Plating Solutions, | Gold Plating: Cyanide 150°F | N/A |
| Plating Solutions, | Gold Plating: Neutral 75°F | N/A |
| Plating Solutions, | Indium Sulfamate Plating R.T. | N/A |
| Plating Solutions, 150°F | Iron Plating: Ferrous Am Sulfate Bath | N/A |
| Plating Solutions, | Iron Plating: Ferrous Chloride Bath 190°F | N/A |
| Plating Solutions, | Iron Plating: Ferrous Sulfate Bath 150°F | N/A |
| Plating Solutions, | Iron Plating: Fluoborate Bath 145°F | N/A |
| Plating Solutions, | Iron Plating: Sulfamate 140°F | N/A |
| Plating Solutions, | Iron Plating: Sulfate-Chloride Bath 160°F | N/A |
| Plating Solutions, | Lead Fluoborate Plating | N/A |
| Plating Solutions, | Nickel Plating: Electroless 200°F | N/A |
| Plating Solutions, | Nickel Plating: Fluoborate 100-170°F | N/A |
| Plating Solutions, | Nickel Plating: High-Chloride 130-160°F | N/A |
| Plating Solutions, | Nickel Plating: Sulfamate 100-140°F | N/A |
| Plating Solutions, | Nickel Plating: Watts Type 115-160°F | N/A |
| Plating Solutions, | Rhodium Plating 120°F | A-Excellent |
| Plating Solutions, | Silver Plating 80-120°F | A-Excellent |
| Plating Solutions, | Tin-Fluoborate Plating 100°F | N/A |
| Plating Solutions, | Tin-Lead Plating 100°F | N/A |
| Plating Solutions, | Zinc Plating: Acid Chloride 140°F | N/A |
| Plating Solutions, | Zinc Plating: Acid Fluoborate Bath R.T. | N/A |
| Plating Solutions, | Zinc Plating: Acid Sulfate Bath 150°F | N/A |
| Plating Solutions, | Zinc Plating: Alkaline Cyanide Bath R.T. | N/A |
| Potash (Potassium Carbonate) | | $A^1$-Excellent |
| Potassium Bicarbonate | | A-Excellent |
| Potassium Bromide | | $A^1$-Excellent |
| Potassium Chlorate | | $A^1$-Excellent |

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| | |
|---|---|
| Potassium Chloride | A[1]-Excellent |
| Potassium Chromate | A[2]-Excellent |
| Potassium Cyanide Solutions | A[1]-Excellent |
| Potassium Dichromate | A[1]-Excellent |
| Potassium Ferricyanide | A-Excellent |
| Potassium Ferrocyanide | A-Excellent |
| Potassium Hydroxide (Caustic Potash) | A[2]-Excellent |
| Potassium Hypochlorite | A[1]-Excellent |
| Potassium Iodide | A-Excellent |
| Potassium Nitrate | A-Excellent |
| Potassium Oxalate | N/A |
| Potassium Permanganate | A-Excellent |
| Potassium Sulfate | A[1]-Excellent |
| Potassium Sulfide | A-Excellent |
| Propane (liquefied) | D-Severe Effect |
| Propylene | D-Severe Effect |
| Propylene Glycol | A-Excellent |
| Pyridine | B-Good |
| Pyrogallic Acid | B-Good |
| Resorcinal | B[1]-Good |
| Rosins | N/A |
| Rum | A-Excellent |
| Rust Inhibitors | N/A |
| Salad Dressings | N/A |
| Salicylic Acid | A-Excellent |
| Salt Brine (NaCl saturated) | A-Excellent |
| Sea Water | A[2]-Excellent |
| Shellac (Bleached) | A[2]-Excellent |
| Shellac (Orange) | A-Excellent |
| Silicone | A-Excellent |
| Silver Bromide | N/A |

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|---|---|
| Silver Nitrate | A-Excellent |
| Soap Solutions | A-Excellent |
| Soda Ash (see Sodium Carbonate) | $A^2$-Excellent |
| Sodium Acetate | A-Excellent |
| Sodium Aluminate | A-Excellent |
| Sodium Benzoate | A-Excellent |
| Sodium Bicarbonate | $A^2$-Excellent |
| Sodium Bisulfate | $A^2$-Excellent |
| Sodium Bisulfite | $A^2$-Excellent |
| Sodium Borate (Borax) | A-Excellent |
| Sodium Bromide | A-Excellent |
| Sodium Carbonate | $A^2$-Excellent |
| Sodium Chlorate | A-Excellent |
| Sodium Chloride | A-Excellent |
| Sodium Chromate | N/A |
| Sodium Cyanide | $A^2$-Excellent |
| Sodium Ferrocyanide | A-Excellent |
| Sodium Fluoride | A-Excellent |
| Sodium Hydrosulfite | B-Good |
| Sodium Hydroxide (20%) | B-Good |
| Sodium Hydroxide (50%) | $B^1$-Good |
| Sodium Hydroxide (80%) | $B^1$-Good |
| Sodium Hypochlorite (<20%) | B-Good |
| Sodium Hypochlorite (100%) | $B^1$-Good |
| Sodium Hyposulfate | N/A |
| Sodium Metaphosphate | A-Excellent |
| Sodium Metasilicate | $A^1$-Excellent |
| Sodium Nitrate | A-Excellent |
| Sodium Perborate | A-Excellent |
| Sodium Peroxide | A-Excellent |
| Sodium Polyphosphate | A-Excellent |

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|---|---|
| Sodium Silicate | A-Excellent |
| Sodium Sulfate | A-Excellent |
| Sodium Sulfide | $A^2$-Excellent |
| Sodium Sulfite | A-Excellent |
| Sodium Tetraborate | A-Excellent |
| Sodium Thiosulfate (hypo) | $A^2$-Excellent |
| Sorghum | N/A |
| Soy Sauce | N/A |
| Stannic Chloride | A-Excellent |
| Stannic Fluoborate | N/A |
| Stannous Chloride | C-Fair |
| Starch | A-Excellent |
| Stearic Acid | B-Good |
| Stoddard Solvent | D-Severe Effect |
| Styrene | D-Severe Effect |
| Sugar (Liquids) | A-Excellent |
| Sulfate (Liquors) | A-Excellent |
| Sulfur Chloride | D-Severe Effect |
| Sulfur Dioxide | $A^2$-Excellent |
| Sulfur Dioxide (dry) | $A^2$-Excellent |
| Sulfur Hexafluoride | B-Good |
| Sulfur Trioxide | $C^2$-Fair |
| Sulfur Trioxide (dry) | $C^1$-Fair |
| Sulfuric Acid (<10%) | A-Excellent |
| Sulfuric Acid (10-75%) | $B^2$-Good |
| Sulfuric Acid (75-100%) | $B^1$-Good |
| Sulfuric Acid (cold concentrated) | C-Fair |
| Sulfuric Acid (hot concentrated) | D-Severe Effect |
| Sulfurous Acid | B-Good |
| Sulfuryl Chloride | N/A |
| Tallow | A-Excellent |

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|---|---|
| Tannic Acid | A-Excellent |
| Tanning Liquors | B-Good |
| Tartaric Acid | B-Good |
| Tetrachloroethane | D-Severe Effect |
| Tetrachloroethylene | D-Severe Effect |
| Tetrahydrofuran | D-Severe Effect |
| Tin Salts | B-Good |
| Toluene (Toluol) | D-Severe Effect |
| Tomato Juice | A-Excellent |
| Trichloroacetic Acid | B-Good |
| Trichloroethane | D-Severe Effect |
| Trichloroethylene | D-Severe Effect |
| Trichloropropane | N/A |
| Tricresylphosphate | A-Excellent |
| Triethylamine | A-Excellent |
| Trisodium Phosphate | A-Excellent |
| Turpentine | D-Severe Effect |
| Urea | A-Excellent |
| Uric Acid | N/A |
| Urine | $A^1$-Excellent |
| Varnish | D-Severe Effect |
| Vegetable Juice | A-Excellent |
| Vinegar | A-Excellent |
| Vinyl Acetate | $B^2$-Good |
| Vinyl Chloride | C-Fair |
| Water, Acid, Mine | A-Excellent |
| Water, Deionized | $A^1$-Excellent |
| Water, Distilled | A-Excellent |
| Water, Fresh | A-Excellent |
| Water, Salt | A-Excellent |
| Weed Killers | N/A |

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| | |
|---|---|
| Whey | N/A |
| Whiskey & Wines | A-Excellent |
| White Liquor (Pulp Mill) | N/A |
| White Water (Paper Mill) | N/A |
| Xylene | D-Severe Effect |
| Zinc Chloride | A-Excellent |
| Zinc Hydrosulfite | A-Excellent |
| Zinc Sulfate | A-Excellent |

Explanation of Footnotes
1. Satisfactory to 72°F (22°C)
2. Satisfactory to 120°F (48°C)

Ratings -- Chemical Effect

- **A =Excellent.**
- **B = Good --** Minor Effect, slight corrosion or discoloration.
- **C = Fair --** Moderate Effect, not recommended for continuous use. Softening, loss of strength, swelling may occur.
- **D = Severe Effect,** not recommended for ANY use.
- **N/A =** Information not available.