

Elastomers Chemical Compatibility Chart

ver 20-Oct-2022

Key to General Chemical Resistance [all data is based on ambient or room temperature, about 64°F (18°C) to 73°F (23°C)]

A = Excellent; B = Good -- Minor Effect, slight corrosion or discoloration; C = Fair -- Moderate Effect, not recommended because swelling may occur; D = Severe Effect, not recommended for ANY use; N/A = Information Not Available



	Buna-N (Nitrile, NBR)	EPDM (Ethylene Propylene)	Kalrez® (Isolast®, FFKM)	Fluorosilicone (FVMQ)	Hydrin® (ECO, Epichlorohydrin)	Hytrel® (TPE)	Natural Rubber (NR)	Neoprene (CR)	Polyurethane (PUR)	Silicone (VMQ)	Viton® (FKM)
Acetaldehyde	D	A	A	D	D	B	C	C	D	A	D
Acetamide (Ethanamide)	A	A	A	A	B	D	D	B	D	B	B
Acetate Solvents (Ester Solvents)	C	A	A	D	D	D	C	D	D	C	D
Acetic Acid, 5%	B	A	A	B	B	A	B	A	D	A	A
Acetic Acid, 20%	B	A	A	B	B	A	B	A	D	B	B
Acetic Acid, 30%	C	A	A	B	B	A	B	A	D	B	A
Acetic Acid 80%	C	A	A	D	D	A	C	C	D	B	B
Acetic Acid, Glacial	C	B	A	D	D	A	C	D	D	B	D
Acetic Anhydride	D	B	A	D	D	C	C	A	D	C	D
Acetone	D	A	A	D	D	B	C	C	D	D	D
Acetylene (Ethyne)	B	A	A	A	A	A	B	B	D	B	A
Acrylonitrile (Vinyl Cyanide)	D	D	B	D	D	A	B	C	D	D	D
Alcohols: Amyl	B	A	A	A	A	A	B	A	D	D	A
Alcohols: Benzyl	D	B	A	B	D	C	D	C	D	B	A
Alcohols: Butyl	A	A	A	B	D	B	A	A	D	B	A
Alcohols: Ethyl	C	A	A	A	B	D	A	A	D	B	A
Alcohols: Isobutyl (2-Methyl-1-Propanol)	B	A	A	B	B	B	A	A	D	A	A
Alcohols: Isopropyl	B	A	A	B	B	A	A	B	D	A	A
Alcohols: Methyl (Methanol)	A	A	A	A	B	B	A	A	D	A	C
Alcohols: Propyl (1-Propanol)	A	A	A	A	B	D	A	A	C	A	A
Aluminum Fluoride	A	A	A	A	A	A	B	A	C	B	A
Aluminum Hydroxide	A	A	A	A	A	D	D	A	B	B	A
Aluminum Nitrate	A	A	A	A	A	A	A	A	C	B	A
Aluminum Sulfate	A	A	A	A	B	B	A	A	D	A	A
Alum (Ammonium Potassium Sulfate)	A	A	A	A	A	D	A	B	A	A	A
Amines	D	B	B	D	C	A	B	B	D	B	D

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A = Excellent

C = Fair - Moderate Effect, not recommended

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Ammonia, 10% aqueous (Ammonium Hydroxide)	A	A	A	D	A	D	D	A	B	A	D
Ammonia, anhydrous	B	A	B	D	D	D	D	A	D	C	D
Ammonia, liquid	C	A	B	D	D	D	D	A	D	B	D
Ammonium Acetate	B	A	A	A	B	D	A	A	D	B	A
Ammonium Bifluoride (Ammonium Fluoride), <25%	B	A	B	B	A	N/A	A	B	A	A	A
Ammonium Carbonate	B	A	A	C	B	A	A	A	D	C	A
Ammonium Chloride	B	A	A	B	A	A	A	B	C	C	A
Ammonium Hydroxide (Aqueous Ammonia)	D	A	B	B	B	C	D	A	D	A	B
Ammonium Nitrate	A	A	A	C	B	B	C	B	D	C	A
Ammonium Persulfate	A	B	A	D	B	N/A	A	A	D	D	A
Ammonium Phosphate, Dibasic	A	A	A	D	B	N/A	A	A	D	A	A
Ammonium Phosphate, Monobasic	A	A	A	D	B	B	A	A	D	A	A
Ammonium Phosphate, Tribasic	A	A	A	D	B	N/A	A	A	D	A	A
Ammonium Sulfate	A	A	A	D	B	B	A	A	D	A	A
Ammonium Thiosulfate	A	A	A	A	A	N/A	A	A	D	B	C
Amyl Acetate	D	A	A	D	D	C	D	D	D	D	D
Amyl Chloride (Chloropentane)	D	D	A	B	D	D	D	D	D	D	B
Antifreeze, Glycol base	A	A	A	A	B	A	A	C	D	C	A
Aqua Regia (80% HCl, 20% HNO ₃)	D	C	A	C	D	D	D	D	D	D	B
Arsenic Acid	A	A	A	A	A	D	B	A	C	A	A
Asphalt	B	D	A	B	A	B	D	D	B	D	A
Barium Carbonate	A	A	A	A	A	N/A	A	A	D	B	A
Barium Sulfate	A	A	A	A	A	D	A	A	A	A	A
Barium Sulfide	A	A	A	A	A	N/A	A	A	A	A	A
Beer	A	A	A	A	A	A	A	A	A	A	A
Benzaldehyde	D	A	A	C	D	B	D	D	D	D	D

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Benzene (Benzol)	D	D	A	C	D	C	D	D	D	D	A
Benzene Sulfonic Acid	D	D	A	B	D	B	A	A	D	D	A
Benzoic Acid	D	D	B	B	B	D	D	B	D	B	A
Benzyl Chloride	D	D	A	B	D	D	D	D	A	D	A
Borax (Sodium Borate)	B	A	A	B	A	A	A	A	C	B	A
Boric Acid (Boracic Acid)	A	A	A	A	A	A	A	D	C	A	A
Bromine	D	D	B	B	D	D	D	D	D	D	A
Butadiene	D	C	A	B	D	D	D	B	D	D	B
Butane (Butyl Hydride, LPG)	A	D	A	A	A	A	D	A	D	D	A
Butanol (Butyl Alcohol)	A	A	A	B	D	B	A	A	D	B	A
Butyl Amine (Aminobutane)	C	B	B	D	D	D	D	D	D	B	D
Butyl Ether (Dibutyl Ether)	B	D	A	C	D	D	D	D	B	D	D
Butyric Acid	D	B	B	D	D	B	D	D	D	D	B
Calcium Carbonate (Chalk) CaCO ₃	A	A	A	A	A	N/A	A	A	C	A	A
Calcium Chloride	A	A	A	A	A	A	A	A	C	A	A
Calcium Hydroxide (Lye)	A	A	A	A	A	B	A	A	D	A	A
Calcium Hypochlorite	C	B	A	B	B	C	D	D	D	B	A
Calcium Nitrate	A	A	A	A	A	A	A	A	C	B	A
Calcium Oxide (Unslaked Lime) CaO	A	A	A	A	N/A	A	B	A	A	A	B
Calcium Sulfate (Gypsum)	A	A	A	A	A	N/A	B	B	D	B	A
Carbolic Acid (Phenol)	D	B	B	A	D	D	D	D	D	D	A
Carbon Dioxide (dry)	A	B	A	A	A	A	B	B	A	B	B
Carbon Dioxide (wet)	A	B	A	A	A	A	B	B	A	B	B
Carbon Monoxide	A	A	A	B	A	A	D	B	A	A	A
Carbonated Water, up to 50% CO ₂	A	A	A	A	A	A	A	A	N/A	A	A
Carbonic Acid	D	B	A	A	A	D	C	D	C	A	A

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Chlorine (dry)	B	A	A	A	B	D	D	C	D	D	A
Chlorine Dioxide, 8% aqueous solution	D	D	B	B	D	D	D	D	D	B	B
Chlorine Water	D	C	A	B	C	D	C	D	D	D	A
Chloroacetic Acid	D	B	B	D	D	D	D	D	D	D	D
Chlorobenzene (mono)	D	D	A	B	D	D	D	D	D	D	A
Chlorobromomethane	D	B	A	B	D	D	D	D	D	D	A
Chloroform	D	D	A	D	D	D	D	D	D	D	A
Chlorosulfonic Acid	D	D	A	D	D	D	D	D	D	D	D
Chromic Acid 5%	D	A	A	C	C	D	B	D	D	C	A
Chromic Acid 10%	D	C	A	C	C	D	D	D	D	C	B
Chromic Acid 30%	D	B	A	C	C	D	D	D	D	C	A
Chromic Acid 50%	D	B	A	D	C	D	D	D	D	C	A
Citric Acid	A	A	A	A	A	A	A	A	C	A	A
Citrus Oils or Terpenes (d-Limonene, Dipentene)	B	B	A	C	D	N/A	D	D	D	D	A
Clorox® Bleach	D	B	A	A	A	C	D	B	C	B	A
Coffee (fatty oils, acids, cellulose, water)	A	A	A	A	D	N/A	A	A	D	A	A
Copper Chloride	A	A	A	A	B	A	C	A	C	A	A
Copper Sulfate 5%	A	A	A	A	B	A	C	A	C	A	A
Cresols (Methyl Phenol, Cresylic Acid)	D	D	B	B	D	D	D	D	D	D	A
Cyclohexane	B	D	A	B	A	A	D	D	A	D	A
Cyclohexanone	D	B	D	D	D	D	D	D	D	D	D
Detergents	A	A	A	A	B	B	B	B	D	A	A
Diacetone Alcohol	D	A	A	D	D	C	D	D	D	D	D
Dichlorobenzene	D	D	A	B	D	D	D	D	D	D	C
Dichloroethane	D	D	A	B	D	N/A	D	D	C	D	C
Diesel Fuel	A	D	A	A	A	B	D	B	C	D	A

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Diethyl Ether	D	D	A	C	C	C	D	D	C	D	D
Diethylamine	C	B	B	D	D	N/A	A	A	C	B	A
Dyes, Aniline	D	C	A	B	D	D	C	C	D	C	A
Ethane	A	D	A	B	A	N/A	D	B	C	D	A
Ethanol (Ethyl Alcohol)	C	A	A	A	B	D	A	A	D	B	A
Ethanolamine	B	B	A	D	B	N/A	B	B	C	B	D
Ethers	D	C	A	D	C	D	D	D	C	D	C
Ethyl Acetate	D	B	A	D	D	B	C	D	D	B	D
Ethyl Benzoate	D	A	A	A	D	C	D	D	D	D	A
Ethyl Chloride	A	A	A	A	B	C	B	C	B	D	A
Ethyl Ether	D	D	A	C	C	N/A	D	D	C	D	D
Ethylene Glycol	A	A	A	A	B	A	A	A	D	A	A
Ethylene Oxide	D	C	B	D	D	A	D	D	D	D	D
Fatty Acids	B	D	A	A	A	B	C	C	A	C	A
Ferric Chloride	A	A	A	A	A	C	A	B	C	B	A
Ferric Nitrate	A	A	A	A	A	D	A	A	C	C	A
Ferric Sulfate	A	A	A	A	A	A	A	A	C	B	A
Ferrous Sulfate	A	A	A	A	A	A	B	A	C	B	B
Formaldehyde 100%	C	A	A	D	B	D	C	C	D	B	D
Formaldehyde 40%	B	A	B	D	B	C	B	B	D	B	A
Formic Acid	C	A	A	C	C	B	C	A	D	B	C
Fruit Juices	A	A	A	A	N/A	B	D	A	A	A	A
Fuel Oils	A	D	A	A	A	B	D	B	C	D	A
Furfural (Ant Oil) C ₅ H ₄ O ₂	D	D	B	D	D	B	D	D	D	D	D
Gallic Acid	B	B	A	A	B	D	A	B	D	D	A
Gasoline (high-aromatic, high-test)	A	D	A	B	A	A	D	A	D	D	A

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Gasoline, leaded, ref.	A	D	A	A	A	A	D	B	D	D	A
Gasoline, unleaded	A	D	A	A	A	A	D	B	D	D	A
Glucose	A	A	A	A	A	A	A	A	D	A	A
Glue, PVA (Polyvinyl Acetate)	A	A	A	A	A	A	A	A	N/A	A	B
Glycerin	A	A	A	A	A	A	A	A	D	A	A
Glycolic Acid	A	A	A	A	N/A	N/A	D	A	D	A	A
Grease	A	D	A	A	B	A	D	D	A	D	A
Heptane	A	D	A	A	A	B	D	B	B	D	A
Hexane (n-Hexane)	A	D	A	A	A	A	D	B	A	D	A
Honey	A	A	A	A	N/A	N/A	A	A	N/A	A	A
Hydraulic Oil (Petroleum)	A	D	A	A	A	D	D	A	A	B	A
Hydraulic Oil (Synthetic, Poly Alkylene Glycol Base)	D	A	A	B	A	A	D	A	C	B	A
Hydrazine (Diamine) H ₂ NNH ₂	B	A	A	D	N/A	C	C	B	D	B	A
Hydrobromic Acid 20%	D	A	A	C	D	N/A	A	D	D	D	A
Hydrobromic Acid 100%	D	A	B	D	D	N/A	A	D	D	D	A
Hydrochloric Acid, 37%	B	C	A	B	D	C	A	B	D	B	A
Hydrochloric Acid, 20%	D	A	A	B	D	B	A	C	D	D	A
Hydrochloric Acid, 100%	D	D	A	D	D	D	D	D	D	D	A
Hydrofluoric Acid, 100%	D	D	A	D	D	D	D	D	D	D	B
Hydrofluoric Acid, 20%	D	D	A	D	D	D	B	B	D	D	A
Hydrofluoric Acid, 50%	D	D	A	D	D	D	B	D	D	D	B
Hydrofluoric Acid, 75%	D	C	A	D	D	D	D	D	D	D	B
Hydrofluosilicic Acid, 20%	A	A	A	D	C	C	A	B	D	D	A
Hydrofluosilicic Acid, 100%	B	A	A	D	C	C	A	B	D	D	A
Hydrogen Gas	A	A	A	C	A	A	B	A	A	C	A
Hydrogen Peroxide, 10%	D	A	A	B	A	D	B	D	A	A	A

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Hydrogen Peroxide, 30%	D	B	A	B	A	D	C	D	D	B	A
Hydrogen Peroxide, 50%	D	B	A	B	B	D	C	D	D	B	A
Hydrogen Peroxide, 100%	D	D	A	C	B	D	C	D	D	B	A
Hydrogen Sulfide, aqueous	D	B	A	C	B	A	C	A	D	C	D
Hydrogen Sulfide, dry	D	A	A	C	C	A	C	A	D	C	D
Hydrogen Sulfide, wet	D	A	A	D	C	A	C	A	D	C	D
Ketones	D	D	A	D	D	D	A	D	D	D	D
Lacquer Thinners	D	D	A	D	D	D	D	D	D	D	D
Lacquers	D	D	A	D	D	D	D	D	D	D	D
Lactic Acid	A	A	A	A	A	D	A	A	A	A	A
Latex	A	A	A	A	N/A	A	B	B	D	A	A
Ligroin	A	D	A	A	A	N/A	D	B	B	D	A
Linoleic Acid	B	D	A	B	B	N/A	D	D	C	B	B
Lithium Hydroxide	C	A	A	A	N/A	N/A	A	D	D	B	C
Lubricants	A	D	A	B	B	A	D	D	B	D	A
Lye: KOH Potassium Hydroxide	B	A	A	C	B	D	B	B	D	C	B
Lye: NaOH Sodium Hydroxide	A	B	A	B	B	C	A	B	C	A	B
Magnesium Chloride	A	A	A	A	B	C	A	A	C	A	A
Magnesium Hydroxide	A	A	A	B	A	C	A	A	D	A	A
Magnesium Sulfate and Sulfite	A	A	A	A	A	B	A	A	D	A	A
Malic Acid (Apple Acid) C ₄ H ₆ O ₅	A	D	A	A	C	N/A	B	D	D	B	A
Mercury	A	A	A	A	A	B	A	A	A	B	A
Methane	A	D	A	B	A	B	D	B	C	D	A
Methanol (Methyl Alcohol)	A	A	A	A	B	B	A	A	D	A	C
Methyl Acetate	D	B	A	D	D	C	D	B	D	D	D
Methyl Acetone	D	A	A	N/A	N/A	N/A	B	D	N/A	N/A	D

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Methyl Alcohol, 10%	A	A	A	A	B	B	A	A	D	A	C
Methyl Butyl Ketone	D	A	A	D	D	N/A	D	D	D	D	D
Methyl Cellosolve	A	B	A	D	D	N/A	D	B	D	D	D
Methyl Chloride	D	D	A	B	D	D	D	D	D	D	A
Methyl Ethyl Ketone (MEK, Butanone)	D	A	A	D	D	B	D	D	D	D	D
Methyl Ethyl Ketone Peroxide (MEKP)	D	D	A	D	D	N/A	D	D	D	B	D
Methyl Isobutyl Ketone	D	B	A	D	D	B	D	D	D	D	D
Methyl Isopropyl Ketone	D	C	A	D	D	D	D	D	D	C	D
Methylamine	B	A	A	A	N/A	N/A	B	A	D	B	D
Methylene Chloride	D	C	A	B	D	D	B	D	D	D	B
Milk	A	A	A	A	N/A	B	A	A	D	A	A
Mineral Spirits	A	D	A	A	A	A	D	C	A	D	A
Monochloroacetic Acid	D	C	A	D	D	D	C	A	D	B	C
Monoethanol Amine	D	B	B	D	D	D	B	D	D	B	D
Morpholine	D	D	A	D	D	N/A	A	D	D	D	A
Motor Oil	A	D	A	A	C	B	D	B	A	B	A
Mustard	B	A	A	N/A	N/A	B	B	A	B	A	D
Naphtha	A	D	A	B	A	B	D	D	B	D	A
Natural Gas	A	D	A	C	A	B	C	A	B	A	A
Nitric Acid (5-10%)	D	A	B	B	D	C	D	B	D	C	A
Nitric Acid (20%)	D	A	B	B	D	D	D	D	D	D	A
Nitric Acid (50%)	D	D	B	C	D	D	D	D	D	D	A
Nitric Acid (Concentrated)	D	D	B	D	D	D	D	D	D	D	A
Nitrobenzene	D	B	A	D	D	D	D	D	D	D	B
Nitromethane	D	B	A	D	D	C	B	D	D	D	D
Nitrous Acid	D	A	A	A	A	N/A	C	D	A	B	B

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Nitrous Oxide	A	A	B	A	A	N/A	A	A	D	A	B
Oils: Citric	A	B	A	C	D	N/A	D	D	D	D	A
Oils: Cod Liver	A	A	A	A	A	N/A	D	B	A	B	A
Oils: Corn	D	C	A	A	A	A	D	A	A	A	B
Oils: Cottonseed	A	D	A	A	A	A	D	C	A	A	A
Oils: Diesel Fuel (20, 30, 40, 50)	A	D	A	A	A	A	D	B	C	D	A
Oils: Fuel (1, 2, 3, 5A, 5B, 6)	B	D	A	A	A	A	D	D	C	C	B
Oils: Hydraulic Oil (Petro)	A	D	A	A	A	A	D	A	A	B	A
Oils: Hydraulic Oil (Synthetic)	D	A	A	B	D	A	D	A	C	B	A
Oils: Mineral	A	D	A	A	A	A	D	B	A	C	A
Oils: Palm (mixture of terpenes)	B	B	A	C	D	N/A	D	D	D	D	A
Oils: Silicone	A	A	A	A	A	A	D	D	A	C	A
Oils: Soybean	A	C	A	A	A	B	D	C	B	A	A
Oils: Turbine	B	A	A	B	A	A	D	D	B	D	A
Oleic Acid	B	B	A	B	B	A	D	C	C	D	B
Oxalic Acid (cold)	D	A	A	A	C	D	B	D	D	B	A
Ozone	D	A	B	B	A	C	D	C	A	A	A
Palmitic Acid	A	B	A	A	B	A	B	D	C	D	A
Paraffins	B	D	A	A	A	A	B	B	A	A	B
Pentane (Amyl Hydride) C ₅ H ₁₂	A	D	A	C	A	B	D	B	D	D	A
Peracetic Acid (Peroxyacetic Acid)	C	B	C	A	N/A	N/A	D	D	D	C	A
Perchloric Acid	D	B	B	A	C	D	D	A	D	D	A
Petroleum	A	D	A	B	B	B	D	B	B	D	A
Phenol (10%)	D	B	A	A	D	D	A	D	D	D	A
Phenol (Carbolic Acid)	D	B	A	A	D	D	D	D	D	D	A
Phosphoric Acid (>40%)	D	B	A	B	C	D	B	B	D	D	A

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Phosphoric Acid (S40%)	D	B	A	B	D	N/A	B	B	D	C	A
Phosphoric Anhydride (Diphosphorus Pentoxide)	D	B	N/A	N/A	N/A	N/A	A	D	D	N/A	D
Photographic Developer	A	B	A	A	N/A	D	A	A	B	B	A
Photographic Solutions	B	A	A	N/A	N/A	B	B	B	D	A	B
Potassium Bicarbonate	A	A	A	A	A	N/A	A	A	C	A	A
Potassium Bromide	A	A	A	A	N/A	N/A	A	A	D	A	A
Potassium Chloride	A	A	A	A	B	B	A	A	C	A	A
Potassium Dichromate	A	A	A	A	B	C	B	A	C	A	A
Potassium Ferrocyanide	D	A	A	N/A	N/A	N/A	A	A	N/A	A	A
Potassium Hydroxide (Caustic Potash)	B	A	A	C	B	D	B	B	D	C	B
Potassium Iodide	A	A	A	A	B	N/A	B	A	D	B	A
Potassium Nitrate	A	A	A	A	B	B	A	A	C	A	A
Potassium Nitrite	A	A	A	A	B	B	A	A	C	A	A
Potassium Permanganate	C	A	A	A	B	D	A	A	D	B	A
Propane (liquefied)	A	D	A	B	A	A	D	C	C	D	A
Propylene (C ₃ H ₆)	D	D	A	B	D	N/A	D	D	D	D	A
Propylene Glycol	A	A	A	A	A	N/A	A	C	D	A	A
Pyridine (C ₅ H ₅ N)	D	B	A	D	D	C	D	D	D	D	D
Resorcinol (C ₆ H ₆ O ₂)	D	B	A	A	N/A	D	N/A	D	D	B	A
Rosins	A	A	A	B	A	N/A	D	A	D	A	A
Salicylic Acid	B	A	A	A	B	N/A	A	D	D	A	A
Salt Brine (NaCl saturated)	A	A	A	A	B	A	A	A	D	A	A
Sea Water	A	A	A	A	B	D	A	B	D	A	A
Shellac (Bleached)	A	A	A	A	N/A	N/A	A	B	D	B	A
Shellac (Orange)	A	A	A	A	N/A	N/A	D	D	D	B	A
Silicone Oils	A	A	A	A	A	A	C	A	A	C	A

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Silver Bromide	C	A	A	A	N/A	N/A	A	A	D	B	C
Silver Nitrate	B	A	A	A	C	D	A	A	C	A	A
Soap Solutions	A	A	A	A	B	A	B	B	D	A	A
Sodium Acetate	B	A	A	D	C	N/A	A	B	C	D	D
Sodium Benzoate	B	A	A	A	B	N/A	A	A	D	C	A
Sodium Bicarbonate (Baking Soda)	A	A	A	B	B	B	A	A	D	A	A
Sodium Bisulfate	B	A	A	A	A	C	A	A	D	A	A
Sodium Bisulfite	A	A	A	A	B	B	A	A	D	A	A
Sodium Bromide	D	A	A	A	N/A	N/A	A	A	A	C	A
Sodium Carbonate (Soda Ash)	A	A	A	A	B	B	A	A	D	A	A
Sodium Chlorate	B	A	A	A	B	N/A	A	A	D	C	A
Sodium Chloride	A	A	A	A	B	A	A	A	C	A	A
Sodium Hydrosulfite	C	B	A	A	A	N/A	C	B	C	C	B
Sodium Hydroxide (80%)	D	B	A	B	B	D	A	B	C	A	D
Sodium Hypochlorite (<20%)	B	B	A	B	B	A	C	C	D	B	A
Sodium Hypochlorite (100%)	D	B	A	B	A	D	C	C	D	B	A
Sodium Nitrate	A	A	A	A	B	B	B	B	D	D	A
Sodium Perborate	B	A	A	A	B	B	B	B	D	B	A
Sodium Peroxide	B	A	A	A	B	B	B	B	D	D	A
Sodium Polyphosphate	A	A	A	A	N/A	N/A	C	B	D	D	A
Sodium Silicate (Water Glass)	A	A	A	A	B	A	A	A	D	A	A
Sodium Sulfate (Salt Cake, Thenardite)	A	A	A	A	B	A	B	A	C	A	A
Sodium Sulfide	A	A	A	B	B	A	B	A	C	A	A
Sodium Sulfite	A	A	A	A	B	A	B	A	A	A	A
Sodium Thiosulfate (hypo)	B	A	A	A	A	N/A	B	A	C	A	A
Starch	A	A	A	A	A	B	A	A	D	A	A

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Stearic Acid	B	B	A	B	C	C	C	B	C	B	A
Stoddard's Solvent	A	D	A	A	A	A	D	C	A	D	A
Styrene (Vinylbenzene) C ₆ H ₅ CHCH ₂	D	D	B	C	D	D	D	D	D	D	B
Sulfate (Liquors)	A	A	A	B	A	N/A	B	B	D	B	A
Sulfur Dioxide	D	A	A	B	C	C	C	B	D	B	A
Sulfur Dioxide (dry)	D	A	A	B	C	C	C	D	D	B	A
Sulfur Dioxide (wet)	D	C	A	B	N/A	D	C	D	D	B	A
Sulfur Trioxide (dry)	D	C	A	B	D	D	C	D	D	B	A
Sulfuric Acid (<10%)	A	A	A	D	B	A	A	B	C	C	A
Sulfuric Acid (10-75%)	B	B	A	D	D	D	C	B	D	D	A
Sulfuric Acid (75-100%)	C	B	A	D	D	C	D	D	D	D	A
Sulfuric Acid (cold concentrated)	D	C	A	D	D	B	D	D	D	D	B
Sulfurous Acid	B	B	A	C	C	C	B	C	D	D	A
Tannic Acid (Tannin)	A	A	A	A	B	A	A	A	C	B	A
Tetrachloroethane	D	D	A	B	D	N/A	D	D	D	D	A
Toluene (Toluol)	D	D	A	B	D	B	D	D	D	D	C
Trichloroacetic Acid	C	B	B	D	B	D	C	D	D	D	C
Trichloroethylene	D	D	A	B	D	C	D	D	D	D	A
Triethylamine	C	A	B	C	C	N/A	B	A	C	D	D
Trisodium Phosphate	A	A	A	A	A	A	A	A	D	A	A
Turpentine (C ₁₀ H ₁₆)	A	D	A	B	A	B	D	D	D	D	A
Urea (Carbamide)	B	A	A	A	C	B	B	B	B	B	A
Varnish	B	D	A	B	D	B	D	D	C	D	A
Vegetable Juice	A	A	A	A	N/A	N/A	D	D	D	B	A
Vinegar	B	A	A	C	B	C	B	B	D	A	A
Water, deionized or demineralized	A	A	A	N/A	N/A	N/A	A	A	A	N/A	A

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Water, distilled	A	A	A	N/A	N/A	N/A	A	A	A	C	A
Water, fresh	A	A	A	A	B	A	A	A	D	B	A
Water, salt	A	A	A	A	B	A	A	A	D	B	A
Weed Killers (Sodium Chlorate)	B	A	A	A	B	N/A	A	A	D	C	A
Whiskey and Wines	A	A	A	A	A	B	A	C	D	A	A
Zinc Chloride	A	A	A	A	B	A	A	A	D	B	A
Zinc Sulfate	A	A	A	A	B	D	B	A	D	A	A

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