POLYVINYL CHLORIDE - CHEMICAL COMPATIBILITY

Knowledge Center for Explosion and Hydrogen Safety

- Rigid PVC is chemically resistant to many acids, salts, corrosives, bases, fats, and alcohols
- The melting point of PVC is low, around 100°C / 212°F)
- Maximum operating temperature is around 60°C / 140°F
- NOT compatible with tetrahydrofuran or acetone, often incompatible with solvents

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, or swelling may occur.
D = Severe Effect, not recommended for ANY use.
N/A = Information not available.

Chemical	Compatibility
Acetaldehyde	D-Severe Effect
Acetamide	D-Severe Effect
Acetate Solvent	D-Severe Effect
Acetic Acid	D-Severe Effect
Acetic Acid 20%	D-Severe Effect
Acetic Acid 80%	C-Fair
Acetic Acid, Glacial	D-Severe Effect
Acetic Anhydride	D-Severe Effect
Acetone	D-Severe Effect
Acetyl Bromide	D-Severe Effect
Acetyl Chloride (dry)	C-Fair
Acetylene	A[1]-Excellent
Acrylonitrile	B[1]-Good
Adipic Acid	A[2]-Excellent
Alcohols: Amyl	A[2]-Excellent
Alcohols: Benzyl	D-Severe Effect
Alcohols: Butyl	A[2]-Excellent
Alcohols: Diacetone	B[1]-Good
Alcohols: Ethyl	C-Fair
Alcohols: Hexyl	A[2]-Excellent

Alcohols: Isobutyl	A[1]-Excellent
Alcohols: Isopropyl	A[1]-Excellent
Alcohols: Methyl	A[1]-Excellent
Alcohols: Octyl	N/A
Alcohols: Propyl	A[1]-Excellent
Aluminum Chloride	A[2]-Excellent
Aluminum Chloride 20%	A[1]-Excellent
Aluminum Fluoride	A[2]-Excellent
Aluminum Hydroxide	A[2]-Excellent
Aluminum Nitrate	B[2]-Good
Aluminum Potassium Sulfate 10%	A[2]-Excellent
Aluminum Potassium Sulfate 100%	A[2]-Excellent
Aluminum Sulfate	A[2]-Excellent
Alums	N/A
Amines	D-Severe Effect
Ammonia 10%	B[1]-Good
Ammonia Nitrate	B-Good
Ammonia, anhydrous	A[2]-Excellent
Ammonia, liquid	A[1]-Excellent
Ammonium Acetate	A-Excellent
Ammonium Bifluoride	A[2]-Excellent
Ammonium Carbonate	A[2]-Excellent
Ammonium Caseinate	N/A
Ammonium Chloride	A[2]-Excellent
Ammonium Hydroxide	A-Excellent
Ammonium Nitrate	A[2]-Excellent
Ammonium Oxalate	A-Excellent
Ammonium Persulfate	A[2]-Excellent
Ammonium Phosphate, Dibasic	A[2]-Excellent
Ammonium Phosphate, Monobasic	A-Excellent
Ammonium Phosphate, Tribasic	A-Excellent
Ammonium Sulfate	A[2]-Excellent
Ammonium Sulfite	A[2]-Excellent
Ammonium Thiosulfate	N/A
Amyl Acetate	D-Severe Effect
Amyl Alcohol	A[2]-Excellent
Amyl Chloride	D-Severe Effect
Aniline	C[1]-Fair
Aniline Hydrochloride	B[2]-Good

Antifreeze	A-Excellent
Antimony Trichloride	A[2]-Excellent
Aqua Regia (80% HCl, 20% HNO3)	C[1]-Fair
Arochlor 1248	N/A
Aromatic Hydrocarbons	D-Severe Effect
Arsenic Acid	A[1]-Excellent
Arsenic Salts	A-Excellent
Asphalt	A[2]-Excellent
Barium Carbonate	A[2]-Excellent
Barium Chloride	A[1]-Excellent
Barium Cyanide	D-Severe Effect
Barium Hydroxide	A[2]-Excellent
Barium Nitrate	A-Excellent
Barium Sulfate	B[1]-Good
Barium Sulfide	A[2]-Excellent
Beer	A[2]-Excellent
Beet Sugar Liquids	A[2]-Excellent
Benzaldehyde	D-Severe Effect
Benzene	C[1]-Fair
Benzene Sulfonic Acid	A-Excellent
Benzoic Acid	A-Excellent
Benzol	N/A
Benzonitrile	N/A
Benzyl Chloride	N/A
Bleaching Liquors	A[1]-Excellent
Borax (Sodium Borate)	A[1]-Excellent
Boric Acid	A[2]-Excellent
Brewery Slop	N/A
Bromine	C[1]-Fair
Butadiene	C[1]-Fair
Butane	C[1]-Fair
Butanol (Butyl Alcohol)	C[1]-Fair
Butter	N/A
Buttermilk	A[1]-Excellent
Butyl Amine	D-Severe Effect
Butyl Ether	A[2]-Excellent
Butyl Phthalate	N/A
Butylacetate	D-Severe Effect
Butylene	A[1]-Excellent

Butyric Acid	B[1]-Good
Calcium Bisulfate	N/A
Calcium Bisulfide	A[2]-Excellent
Calcium Bisulfite	B-Good
Calcium Carbonate	A[2]-Excellent
Calcium Chlorate	B[2]-Good
Calcium Chloride	C-Fair
Calcium Hydroxide	B-Good
Calcium Hypochlorite	B[1]-Good
Calcium Nitrate	A[2]-Excellent
Calcium Oxide	B-Good
Calcium Sulfate	B[2]-Good
Calgon	N/A
Cane Juice	A[1]-Excellent
Carbolic Acid (Phenol)	D-Severe Effect
Carbon Bisulfide	D-Severe Effect
Carbon Dioxide (dry)	A[2]-Excellent
Carbon Dioxide (wet)	A[1]-Excellent
Carbon Disulfide	D-Severe Effect
Carbon Monoxide	A[2]-Excellent
Carbon Tetrachloride	D-Severe Effect
Carbon Tetrachloride (dry)	N/A
Carbon Tetrachloride (wet)	N/A
Carbonated Water	A-Excellent
Carbonic Acid	A[2]-Excellent
Catsup	A-Excellent
Chloric Acid	A[2]-Excellent
Chlorinated Glue	N/A
Chlorine (dry)	D-Severe Effect
Chlorine Water	A[2]-Excellent
Chlorine, Anhydrous Liquid	D-Severe Effect
Chloroacetic Acid	B[1]-Good
Chlorobenzene (Mono)	D-Severe Effect
Chlorobromomethane	D-Severe Effect
Chloroform	D-Severe Effect
Chlorosulfonic Acid	D-Severe Effect
Chocolate Syrup	N/A
Chromic Acid 10%	A[2]-Excellent
Chromic Acid 30%	A[1]-Excellent

Chromic Acid 5%	A[2]-Excellent
Chromic Acid 50%	D-Severe Effect
Chromium Salts	A-Excellent
Cider	A-Excellent
Citric Acid	B[2]-Good
Citric Oils	N/A
Cloroxr (Bleach)	A-Excellent
Coffee	N/A
Copper Chloride	A[1]-Excellent
Copper Cyanide	A[2]-Excellent
Copper Fluoborate	A-Excellent
Copper Nitrate	A[2]-Excellent
Copper Sulfate>5%	A[2]-Excellent
Copper Sulfate 5%	A[2]-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	D-Severe Effect
Detergents	A-Excellent
Diacetone Alcohol	D-Severe Effect
Dichlorobenzene	D-Severe Effect
Dichloroethane	D-Severe Effect
Diesel Fuel	A[1]-Excellent
Diethyl Ether	D-Severe Effect
Diethylamine	D-Severe Effect
Diethylene Glycol	C[1]-Fair
Dimethyl Aniline	D-Severe Effect
Dimethyl Formamide	D-Severe Effect
Diphenyl	N/A
Diphenyl Oxide	D-Severe Effect
Dyes	B-Good
Epsom Salts (Magnesium Sulfate)	A[1]-Excellent
Ethane	A[1]-Excellent
Ethanol	C-Fair
Ethanolamine	D-Severe Effect
Ether	D-Severe Effect

Ethyl Acetate	D-Severe Effect
Ethyl Benzoate	D-Severe Effect
Ethyl Chloride	D-Severe Effect
Ethyl Ether	D-Severe Effect
Ethyl Sulfate	N/A
Ethylene Bromide	D-Severe Effect
Ethylene Chloride	D-Severe Effect
Ethylene Chlorohydrin	D-Severe Effect
Ethylene Diamine	D-Severe Effect
Ethylene Dichloride	D-Severe Effect
Ethylene Glycol	A-Excellent
Ethylene Oxide	D-Severe Effect
Fatty Acids	A-Excellent
Ferric Chloride	A-Excellent
Ferric Nitrate	A-Excellent
Ferric Sulfate	A-Excellent
Ferrous Chloride	A-Excellent
Ferrous Sulfate	A-Excellent
Fluoboric Acid	A-Excellent
Fluorine	D-Severe Effect
Fluosilicic Acid	D-Severe Effect
Formaldehyde 100%	A-Excellent
Formaldehyde 40%	A-Excellent
Formic Acid	A^1-Excellent
Freon 113	B-Good
Freon 12	A^2-Excellent
Freon 22	A-Excellent
Freon TF	B-Good
Freonr 11	A^2-Excellent
Fruit Juice	A-Excellent
Fuel Oils	A^2-Excellent
Furan Resin	A-Excellent
Furfural	D-Severe Effect
Gallic Acid	B-Good
Gasoline (high-aromatic)	A-Excellent
Gasoline, leaded, ref.	B-Good
Gasoline, unleaded	C2-Fair
Gelatin	B-Good
Glucose	A^2-Excellent

Glue, P.V.A.	C-Fair
Glycerin	A-Excellent
Glycolic Acid	B-Good
Gold Monocyanide	N/A
Grape Juice	A-Excellent
Grease	A-Excellent
Heptane	C[1]-Fair
Hexane	B[1]-Good
Honey	A-Excellent
Hydraulic Oil (Petro)	A-Excellent
Hydraulic Oil (Synthetic)	A-Excellent
Hydrazine	N/A
Hydrobromic Acid 100%	A[1]-Excellent
Hydrobromic Acid 20%	B[2]-Good
Hydrochloric Acid 100%	D-Severe Effect
Hydrochloric Acid 20%	A[2]-Excellent
Hydrochloric Acid 37%	B-Good
Hydrochloric Acid, Dry Gas	A[2]-Excellent
Hydrocyanic Acid	B-Good
Hydrocyanic Acid (Gas 10%)	A-Excellent
Hydrofluoric Acid 100%	C-Fair
Hydrofluoric Acid 20%	B-Good
Hydrofluoric Acid 50%	B[1]-Good
Hydrofluoric Acid 75%	C-Fair
Hydrofluosilicic Acid 100%	B[1]-Good
Hydrofluosilicic Acid 20%	A[2]-Excellent
Hydrogen Gas	A[2]-Excellent
Hydrogen Peroxide 10%	A[1]-Excellent
Hydrogen Peroxide 100%	A-Excellent
Hydrogen Peroxide 30%	A[1]-Excellent
Hydrogen Peroxide 50%	A[1]-Excellent
Hydrogen Sulfide (aqua)	B[1]-Good
Hydrogen Sulfide (dry)	A[2]-Excellent
Hydroquinone	B-Good
Hydroxyacetic Acid 70%	D-Severe Effect
Ink	C-Fair
Iodine	A-Excellent
Iodine (in alcohol)	A-Excellent

Iodoform	A-Excellent
Isooctane	A[1]-Excellent
Isopropyl Acetate	D-Severe Effect
Isopropyl Ether	B-Good
Isotane	A-Excellent
Jet Fuel (JP3, JP4, JP5)	C-Fair
Kerosene	A[2]-Excellent
Ketones	D-Severe Effect
Lacquer Thinners	D-Severe Effect
Lacquers	D-Severe Effect
Lactic Acid	B[1]-Good
Lard	A[1]-Excellent
Latex	N/A
Lead Acetate	B-Good
Lead Nitrate	A[2]-Excellent
Lead Sulfamate	B-Good
Ligroin	N/A
Lime	B-Good
Linoleic Acid	A[2]-Excellent
Lithium Chloride	D-Severe Effect
Lithium Hydroxide	N/A
Lubricants	B[2]-Good
Lye: Ca(OH)2 Calcium Hydroxide	B[2]-Good
Lye: KOH Potassium Hydroxide	B-Good
Lye: NaOH Sodium Hydroxide	A-Excellent
Magnesium Bisulfate	A[2]-Excellent
Magnesium Carbonate	B-Good
Magnesium Chloride	B-Good
Magnesium Hydroxide	A[2]-Excellent
Magnesium Nitrate	A[2]-Excellent
Magnesium Oxide	N/A
Magnesium Sulfate (Epsom Salts)	A[1]-Excellent
Maleic Acid	A[2]-Excellent
Maleic Anhydride	N/A
Malic Acid	A[2]-Excellent
Manganese Sulfate	C-Fair
Mash	N/A
Mayonnaise	D-Severe Effect
Melamine	D-Severe Effect

Mercuric Chloride (dilute)	A-Excellent
Mercuric Cyanide	A-Excellent
Mercurous Nitrate	A-Excellent
Mercury	A-Excellent
Methane	B-Good
Methanol (Methyl Alcohol)	A[1]-Excellent
Methyl Acetate	D-Severe Effect
Methyl Acetone	D-Severe Effect
Methyl Acrylate	N/A
Methyl Alcohol 10%	A[1]-Excellent
Methyl Bromide	D-Severe Effect
Methyl Butyl Ketone	A-Excellent
Methyl Cellosolve	D-Severe Effect
Methyl Chloride	D-Severe Effect
Methyl Dichloride	A-Excellent
Methyl Ethyl Ketone	D-Severe Effect
Methyl Ethyl Ketone Peroxide	N/A
Methyl Isobutyl Ketone	D-Severe Effect
Methyl Isopropyl Ketone	D-Severe Effect
Methyl Methacrylate	A-Excellent
Methylamine	D-Severe Effect
Methylene Chloride	D-Severe Effect
Milk	A[2]-Excellent
Mineral Spirits	A-Excellent
Molasses	A-Excellent
Monochloroacetic acid	N/A
Monoethanolamine	D-Severe Effect
Morpholine	N/A
Motor oil	B-Good
Mustard	B-Good
Naphtha	A[1]-Excellent
Naphthalene	D-Severe Effect
Natural Gas	A-Excellent
Nickel Chloride	A-Excellent
Nickel Nitrate	A-Excellent
Nickel Sulfate	A-Excellent
Nitrating Acid (<15% HNO3)	D-Severe Effect
Nitrating Acid (>15% H2SO4)	D-Severe Effect
Nitrating Acid (S1% Acid)	D-Severe Effect

Nitrating Acid (S15% H2SO4)	D-Severe Effect
Nitric Acid (20%)	A[1]-Excellent
Nitric Acid (50%)	B[1]-Good
Nitric Acid (5-10%)	A[1]-Excellent
Nitric Acid (Concentrated)	B[1]-Good
Nitrobenzene	D-Severe Effect
Nitrogen Fertilizer	N/A
Nitromethane	B[2]-Good
Nitrous Acid	A-Excellent
Nitrous Oxide	A-Excellent
Oils: Aniline	D-Severe Effect
Oils: Anise	N/A
Oils: Bay	N/A
Oils: Bone	N/A
Oils: Castor	A-Excellent
Oils: Cinnamon	D-Severe Effect
Oils: Citric	B-Good
Oils: Clove	N/A
Oils: Coconut	A[1]-Excellent
Oils: Cod Liver	A[1]-Excellent
Oils: Corn	B-Good
Oils: Cottonseed	B[2]-Good
Oils: Creosote	C-Fair
Oils: Diesel Fuel Oil (20, 30, 40, 50)	B-Good
Oils: Fuel Oil (1, 2, 3, 5A, 5B, 6)	A[2]-Excellent
Oils: Ginger	N/A
Oils: Hydraulic Oil (Petro)	A-Excellent
Oils: Hydraulic Oil (Synthetic)	A-Excellent
Oils: Lemon	N/A
Oils: Linseed	A[2]-Excellent
Oils: Mineral	B-Good
Oils: Olive	C-Fair
Oils: Orange	C[1]-Fair
Oils: Palm	A-Excellent
Oils: Peanut	A[1]-Excellent
Oils: Peppermint	N/A
Oils: Pine	D-Severe Effect
Oils: Rapeseed	N/A
Oils: Rosin	C[1]-Fair

Oils: Sesame Seed	A-Excellent
Oils: Silicone	A-Excellent
Oils: Soybean	A[1]-Excellent
Oils: Sperm (whale)	N/A
Oils: Tanning	N/A
Oils: Transformer	B-Good
Oils: Turbine	A[1]-Excellent
Oleic Acid	C2-Fair
Oleum 100%	D-Severe Effect
Oleum 25%	D-Severe Effect
Oxalic Acid (cold)	B-Good
Ozone	B-Good
Palmitic Acid	B[1]-Good
Paraffin	B-Good
Pentane	A-Excellent
Perchloric Acid	C-Fair
Perchloroethylene	C[1]-Fair
Petrolatum	B-Good
Petroleum	N/A
Phenol (10%)	C[1]-Fair
Phenol (Carbolic Acid)	D-Severe Effect
Phosphoric Acid (>40%)	B-Good
Phosphoric Acid (crude)	B[2]-Good
Phosphoric Acid (molten)	D-Severe Effect
Phosphoric Acid (S40%)	B-Good
Phosphoric Acid Anhydride	N/A
Phosphorus	A[1]-Excellent
Phosphorus Trichloride	D-Severe Effect
Photographic Developer	A-Excellent
Photographic Solutions	A-Excellent
Phthalic Acid	N/A
Phthalic Anhydride	D-Severe Effect
Picric Acid	D-Severe Effect
Plating Solutions, Antimony Plating 130°F	A-Excellent
Plating Solutions, Arsenic Plating 110°F	A-Excellent
Plating Solutions (Brass): High-Speed Brass Bath 110°F	A-Excellent
Plating Solutions (Brass): Regular Brass Bath 100°F	A-Excellent
Plating Solutions (Bronze): Cu-Cd Bronze Bath R.T.	A-Excellent
Plating Solutions (Bronze): Cu-Sn Bronze Bath 160°F	D-Severe Effect

Plating Solutions (Bronze): Cu-Zn Bronze Bath 100°F	A-Excellent
Plating Solutions (Cadmium): Cyanide Bath 90°F	A-Excellent
Plating Solutions (Cadmium): Fluoborate Bath 100°F	A-Excellent
Plating Solutions, (Chromium): Barrel Chrome Bath 95°F	A-Excellent
Plating Solutions, (Chromium): Black Chrome Bath 115°F	A-Excellent
Plating Solutions, (Chromium): Chromic-Sulfuric Bath 130°F	A-Excellent
Plating Solutions, (Chromium): Fluoride Bath 130°F	A-Excellent
Plating Solutions, (Chromium): Fluosilicate Bath 95°F	A-Excellent
Plating Solutions, Copper Plating (Acid): Copper Fluoborate Bath 120°F	A-Excellent
Plating Solutions, Copper Plating (Acid): Copper Sulfate Bath R.T.	A-Excellent
Plating Solutions, Copper Plating (Cyanide): Copper Strike Bath 120°F	A-Excellent
Plating Solutions, Copper Plating (Cyanide): High-Speed Bath 180°F	D-Severe Effect
Plating Solutions, Copper Plating (Cyanide): Rochelle Salt Bath 150°F	D-Severe Effect
Plating Solutions, Copper Plating (Misc): Copper (Electroless)	A-Excellent
Plating Solutions, Copper Plating (Misc): Copper Pyrophosphate	A-Excellent
Plating Solutions (Gold): Acid 75°F	A-Excellent
Plating Solutions (Gold): Cyanide 150°F	D-Severe Effect
Plating Solutions (Gold): Neutral 75°F	A-Excellent
Plating Solutions, Indium Sulfamate Plating R.T.	A-Excellent
Plating Solutions (Iron): Ferrous Am Sulfate Bath 150°F	D-Severe Effect
Plating Solutions (Iron): Ferrous Chloride Bath 190°F	D-Severe Effect
Plating Solutions (Iron): Ferrous Sulfate Bath 150°F	D-Severe Effect
Plating Solutions (Iron): Fluoborate Bath 145°F	D-Severe Effect
Plating Solutions (Iron): Sulfamate 140°F	A-Excellent
Plating Solutions (Iron): Sulfate-Chloride Bath 160°F	D-Severe Effect
Plating Solutions, Lead Fluoborate Plating	A-Excellent
Plating Solutions, (Nickel): Electroless 200°F	D-Severe Effect
Plating Solutions, (Nickel): Fluoborate 100-170°F	A-Excellent
Plating Solutions, (Nickel): High-Chloride 130-160°F	D-Severe Effect
Plating Solutions, (Nickel): Sulfamate 100-140°F	A-Excellent
Plating Solutions, (Nickel): Watts Type 115-160°F	D-Severe Effect
Plating Solutions (Rhodium) 120°F	A-Excellent
Plating Solutions, (Silver) 80-120°F	A-Excellent
Plating Solutions, Tin-Fluoborate Plating 100°F	A-Excellent
Plating Solutions, Tin-Lead Plating 100°F	A-Excellent
Plating Solutions (Zinc): Acid Chloride 140°F	A-Excellent
Plating Solutions (Zinc): Acid Fluoborate Bath R.T.	A-Excellent
Plating Solutions (Zinc): Acid Sulfate Bath 150°F	D-Severe Effect
Plating Solutions (Zinc): Alkaline Cyanide Bath R.T.	A-Excellent

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

Sodium Aluminate	N/A
Sodium Benzoate	B[1]-Good
Sodium Bicarbonate	A[2]-Excellent
Sodium Bisulfate	A[2]-Excellent
Sodium Bisulfite	A[2]-Excellent
Sodium Borate (Borax)	A[2]-Excellent
Sodium Bromide	B[2]-Good
Sodium Carbonate	A[2]-Excellent
Sodium Chlorate	A[1]-Excellent
Sodium Chloride	A[2]-Excellent
Sodium Chromate	N/A
Sodium Cyanide	A[2]-Excellent
Sodium Ferrocyanide	A-Excellent
Sodium Fluoride	A[2]-Excellent
Sodium Hydrosulfite	C-Fair
Sodium Hydroxide (20%)	A-Excellent
Sodium Hydroxide (50%)	A-Excellent
Sodium Hydroxide (80%)	A-Excellent
Sodium Hypochlorite (<20%)	A-Excellent
Sodium Hypochlorite (100%)	B-Good
Sodium Hyposulfate	N/A
Sodium Metaphosphate	A-Excellent
Sodium Metasilicate	A-Excellent
Sodium Nitrate	A[2]-Excellent
Sodium Perborate	A[2]-Excellent
Sodium Peroxide	B[2]-Good
Sodium Polyphosphate	A[1]-Excellent
Sodium Silicate	A[2]-Excellent
Sodium Sulfate	A[2]-Excellent
Sodium Sulfide	A[2]-Excellent
Sodium Sulfite	A[2]-Excellent
Sodium Tetraborate	A[2]-Excellent
Sodium Thiosulfate (hypo)	A[2]-Excellent
Sorghum	N/A
Soy Sauce	N/A
Stannic Chloride	A[2]-Excellent
Stannic Fluoborate	N/A
Stannous Chloride	A[1]-Excellent
Starch	A-Excellent

Stearic Acid	B[2]-Good
Stoddard Solvent	C[1]-Fair
Styrene	D-Severe Effect
Sugar (Liquids)	N/A
Sulfate (Liquors)	B-Good
Sulfur Chloride	C[1]-Fair
Sulfur Dioxide	A[1]-Excellent
Sulfur Dioxide (dry)	A[2]-Excellent
Sulfur Hexafluoride	B-Good
Sulfur Trioxide	A-Excellent
Sulfur Trioxide (dry)	A[1]-Excellent
Sulfuric Acid (<10%)	A[1]-Excellent
Sulfuric Acid (10-75%)	A[1]-Excellent
Sulfuric Acid (75-100%)	D-Severe Effect
Sulfuric Acid (cold concentrated)	D-Severe Effect
Sulfuric Acid (hot concentrated)	D-Severe Effect
Sulfurous Acid	A[2]-Excellent
Sulfuryl Chloride	N/A
Tallow	N/A
Tannic Acid	A[1]-Excellent
Tanning Liquors	A[1]-Excellent
Tartaric Acid	A[1]-Excellent
Tetrachloroethane	C-Fair
Tetrachloroethylene	D-Severe Effect
Tetrahydrofuran	D-Severe Effect
Tin Salts	A-Excellent
Toluene (Toluol)	D-Severe Effect
Tomato Juice	A-Excellent
Trichloroacetic Acid	B-Good
Trichloroethane	C-Fair
Trichloroethylene	D-Severe Effect
Trichloropropane	N/A
Tricresylphosphate	D-Severe Effect
Triethylamine	B-Good
Trisodium Phosphate	A-Excellent
Turpentine	D-Severe Effect
Urea	D-Severe Effect
Uric Acid	A-Excellent
Urine	A-Excellent

Varnish	D-Severe Effect
Vegetable Juice	N/A
Vinegar	B-Good
Vinyl Acetate	D-Severe Effect
Vinyl Chloride	D-Severe Effect
Water, Acid, Mine	B-Good
Water, Deionized	A^2-Excellent
Water, Distilled	A^2-Excellent
Water, Fresh	B-Good
Water, Salt	B-Good
Weed Killers	N/A
Whey	N/A
Whiskey & Wines	A^2-Excellent
White Liquor (Pulp Mill)	A^2-Excellent
White Water (Paper Mill)	A-Excellent
Xylene	D-Severe Effect
Zinc Chloride	B-Good
Zinc Hydrosulfite	N/A
Zinc Sulfate	A^2-Excellent