

## Cyclone Pumps Resistance Chart

### COMPONENT RESISTANCE TO INDUSTRIAL CHEMICALS

<b>A = NO EFFECT/EXCELLENT</b> <b>B = MINOR EFFECT/GOOD</b> <b>C = MODERATE EFFECT/FAIR</b> <b>D = SEVERE EFFECT/NOT RECOMMENDED</b>	304 Stainless Steel	316 Stainless Steel	Titanium	Hastelloy C	Polypropylene	Ryton	Carbon	Viton	Epdm	Neoprene	Buna N (Nitrile)
Acetaldehyde	A	A	A	A	B	A	A	D	A	D	B
Acetamide	B	A						A	A	D	A
Acetate Solvent	B	A			D		A	D	D	D	D
Acetic Acid, Glacia	B	A	A	A	B	A	A	D	C	D	D
Acetic Acid 20%	B	A	A	A	A	A		A	A	A	C
Acetic Acid 80%	B	A	A	A	B			A	B	B	C
Acetic Acid	B	A	A	A	A	A	A	C			C
Acetic Anhydride	A	A	A	A	A	A	A	D	A	D	A
Acetone	A	A	A	A	B	A	A	D			D
Acetyl Chloride	C	A				A		A	D	D	
Acetylen	A	A	B		D	A	A	A			A
Acrylonitrile	A	C	B	B	B	A	A	C	A	B	D
Alcohols: Amyl	A	A	A	A	B	A	A	A	A	B	A
Benzyl	A	A	A	A	A		A	A	D	B	D
Butyl	A	A	B	A	B	A	A	A	B	B	A
Diacetone	A	A	A	A	D		A	D	C	D	D
Ethyl	A	A	A	A	A		A	A	B	B	A
Hexyl	A	A	A	A	A		A	A	D	C	A
Isobutyl	A	A	A	A	A		A	A	B	C	C
Isopropyl	A	A	A	A	A		A	A	B	C	C
Methyl	A	A	A	A	A		A	C	B	B	B
Octyl	A	A	A	A			A	A			B
Propyl	A	A	A	A	A		A	A			A
Aluminum Chloride 20%	D	C	A	A	A	A	A	A			A
Aluminum Chloride	D	C	C	A	A	A	A	A	A	A	A
Aluminum Flouride	D	C	D	B	A		A	A		A	A
Aluminum Hydroxide	A	A			A		A	A	B	B	A
Aluminum Potassium Sulfate (Alum), 10%	A			B			A	A	A	B	
Aluminum Potassium Sulfate (Alum), 100%	D	A		B	A		A	A			A
Aluminum Sulfate	C	C	A	A	A	A	A	A	A	B	A
Amines	A	A	B	A			A	D			D
Amonia 10%		A	A	A	A	A		A			D
Ammonia, Anhydrous	B	A	B	A	A	B	C	D		A	B
Amonia , Liquids	A	A		B	A		A	D			B
Amonia, Nitrate	A	A			A		A		A		A
Ammonium Biflouride	C	A		B	A			A		D	A
Ammonium Carbonate	A	A	A	B	A		A	B	A	A	D
Ammonium Casenite		A									
Ammonium Chloride	A	C	D	A	A	A	A	A		A	A
Ammonium Hydroxide	A	A	A	A	A	A	A	B	A	C	B
Ammonium Nitrate	A	A	A	A	A	A	A	D	A	A	A
Ammonium Oxalate	A	A		A			A				A
Ammonium Persulfate	A	A	C	A	A		A	C		A	A
Ammonium Phosphate, Dibasic	A	A	A	A	A		A	A	A	B	A
Ammonium Phosphate, Monobasic	A	A	A	A	A		A	A	A	B	A

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Ammonium Phosphate Tribasic	A	A	A	A	A		A	A	A	B	A
Ammonium Sulfate	D	B	A	A	A	A	A	D	A	B	A
Ammonium Thio-Sulfate		A	A				A		B	B	A
Amyl-Acetate	A	A	A	A	D	A	A	D	C	D	D
Amyl Alcohol	A	A	A	A	A		A	B			B
Amyl Chloride	C	B		A	D		A	A	D	D	D
Aniline	A	A	A	B	B	A	A	C	C	D	D
Antifreeze	A	A		A	A	A	A	A			A
Antimony Trichloride	D	D	C	A				A	B	B	
Aqua Regia (80%, HCL, 20%, HNO)	D	D	A	D	C			C			D
Arochlor 1248							A	A			D
Aromatic Hydrocarbons		A					A	A	D	D	D
Arsenic Acid	A	A			A		A	A	B	B	A
Asphalt	B	A			A	A		A	D	D	B
Barium Carbonate	A	A	A	A	A		A	A	A	B	A
Barium Chloride	D	A	A	A	A	A	A	A	A	B	A
Barium Cyanide		A					A	A			C
Barium Hydroxide	C	A	B	B	A	A	A	A	A	B	A
Barium Nitrate	A	A	A				A	A	A	B	A
Barium Sulfate	A	A	A	A	A	A	A	A	A	B	A
Barium Sulfide	A	A	B		A		A	A	B	B	A
Beer	A	A	A	A	D		A	A	A	B	D
Beet Sugar Liquids	A	A			A		A	A		C	A
Benzaldehyde	A	A	A	A	D	A	A	D			D
Benzene	A	A	A	B	D	A	A	A	D	D	D
Benzoic Acid	A	A	A	A	D		A	A		B	D
Benzol	A	A	A	A	A		A	D			D
Borax (Sodium Borate)	A	A	B	A	A	A	A	A		A	B
Boric Acid	A	A	A	A	A		A	A	A	D	A
Brewery Slop		A					A	A		B	A
Bromine (Wet)	D	D	A	A	D	D	D	A			D
Butadiene	A	A				B	A	A			A
Butane	A	A			D	A	A	A	D		A
Butanol	A	A		A							
Butter	B	A					A	A			A
Buttermilk	A	A					A	A		D	A
Butylene	B	A				A	A	A			B
Butyl Acetate		C		A	D	A	A	D			B
Butyric Acid	B	A	A	A	A		A	D	D	D	D
Calcium Bisulfate	D	A						A			A
Calcium Bisulfide		B	A	A	A		A	A	D	B	A
Calcium Bisulfite	B	A	A	A	A			A	D	B	A
Calcium Carbonate	A	A	A	A	A		A	A	B	B	A
Calcium Chlorate	B	A	B	B			A	A	C	C	
Calcium Chloride	A	D	A	A	A	A	A	A	B	B	A

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Calcium Hydroxide	A	A	A	A	A		A	A	A	C	A
Calcium Hypochlorite	D	C	A	B	A		A	A	D	D	B
Calcium Sulfate	A	A	A	B	A	A	A	A	A	B	A
Calgon	A	A			A		A	A			A
Cane Juice	A	A			D		A				A
Carbolic Acid (See Phenol)											
Carbon Bisulfide	A	A			D		A	A		B	D
Carbon Dioxide (Wet)	A	A		A			A		B	B	
Carbon Disulfide	B	A			D	A	A	A	D	D	D
Carbon Monoxide	A	A			A		A	A		A	A
Carbon Tetrachloride	B	B	A	A	D	C	A	A	D	D	C
Carbonated Water	A	A			A		A	A			A
Carbonic Acid	A	B		A	A		A	A	A	C	B
Catsup	A	A			A		A	A			A
Chloracetic Acid	D	D	A	A	D		A	D		D	D
Chloric Acid	D	D							B		D
Chlorinated Glue	A	A						A			C
Chlorine, Anhydrous Liquid	D	D	D	A	D	C	A	A			D
Chlorine (dry)	A	A	D	A		C	A	D			
Chlorine Water		D	A	B	D	C	C	A	C	D	D
Chlorobenzene (Mono)	A	A		A	D	A	A	A			D
Chloroform	A	A	A	A	D	C	A	A			D
Chlorosulfonic Acid	D		A	B	D	D		D	D	D	D
Chlorox (Bleach)	A	A		A	D	C	A	A	B	C	C
Chocolate Syrup	A	A			A			A		B	A
Chromic Acid 5%	A	A	A	A	A	A	D	A	C	D	D
Chromic Acid 10%	B		A	A	A			A	C	D	D
Chromic Acid 30%	B		A	A	A			A			D
Chromic Acid 50%	B	B	A	A	B	B	D	A			D
Cider	A	A					A	A			A
Citric Acid	A	A	A	A	B		A	A	A	A	D
Citric Oils	A	A			A		A	A			A
Coffee	A	A			A		A	A	B		A
Copper Chloride	D	D	A	A	A	A		A	A	B	A
Copper Cyanide	A	A	A	A	A	A	A	B	A	B	B
Copper Fluoborate	D	D		B			A	A			B
Copper Nitrate	A	A	A	A	A		A	A	A	B	A
Copper Sulfate (5% Solution)	A	A	A	A	A	A	A	A			A
Copper Sulfate	B		A	A	A			B	A	B	B
Cream	A	A			A		A	A			A
Cresols	A	A			C	A	A	D	D	D	D
Cresylic Acid	A	A	A	B			A	A	D	D	D
Cyclohexane	A		A		D	A	A	A	D	D	A
Cyanic Acid	A										C
Detergents	A	A			A	A	A	A	A	B	A

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Dichlorethane	A	A		A				B		D	
Diesel Fuel	A	A			D	A	A	A	D	D	A
Diethylamine	A				C		A	D	B	B	B
Diethylene Glycol	A						A	A			A
Diphenyl Oxide	A						A	A	D	D	D
Dyes	A	A						A			
Epsom Salts (Magnesium Sulfate)	A	A	A	B	A		A	A	B	B	A
Ethane	A						A	A	D		A
Ethanolamine	A	A				A	A	D	B		B
Ether	A	A		B		A	A	C	D	D	D
Ethyl Acetate	A	A		B	C	A	A	D	C	D	D
Ethyl Chloride	A	A	A	B	D	A	A	A	C	C	D
Ethyl Sulfate	D						A	A			A
Ethylene Chloride	A	A	B	B	D	A	A	A			D
Ethylene Dichloride	A	A	A	B	A	A	C	A	D	D	D
Ethylene Glycol	A	A		A	A	A	A	A	B	B	A
Ethylene Oxide		A					A	D	D	D	D
Fatty Acids	A	A	A	A	A		A	A	D		C
Ferric Chloride	D	D	A	B	A	A	A	A	A	B	D
Ferric Nitrate	A	A	A	A	A	A	A	A	B	B	A
Ferric Sulfate	A	C	A	A	A	A	C	A	A	A	B
Ferrous Chloride	D	D	A	B	A	A	A	A	A	C	B
Ferrous Sulfate	A	C	A	B	A	A	A	A	B	A	B
Fluoboric Acid	D	B	D	A	A		A	A	B	B	B
Flourine	D	D	D	A			D		D	D	
Fluosilicic Acid	D	B	D	B	A		A	B	B	B	A
Formaldehyde 40%	D	A	A	A	A	A		D			B
Formaldehyde	D	A	A	B	A	A	A	D			C
Formic Acid	D	B	C	A	A	A	A	B	A	B	D
Fruit Juice	D	A			A		A	A		A	A
Fuel Oils	D	A	A	A	B	A	A	A	D	B	A
Furan Resin	D	A				A		A			D
Furfural	D	A		B	D	A	A	D		D	D
Gallic Acid	D	A		A				B	C	C	A
Gasoline	D	A	D	A	C	A	A	A			A
Gelatin	D	A		A	A		A	A	A	A	A
Glucose		A			A		A	A	A	B	A
Glue P.V.A.	B	A	A				A	A	B	B	A
Glycerine	A	A	A	A	A		A	A			A
Cycolic Acid				A	A	A	A	A			A
Gold Monocyanide		A					A	A			A
Grape Juice	A	A					A	A	B	B	A
Grease	A	A					A	A	D	B	A
Hepatine		A		A	D	A	A	A			A
Hexane	A	A		A	C	A	A	A	D	C	A

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Honey	A	A			A		A	A	B	B	A
Hydraulic Oils (Petroleum)	A	A			D		A	A		D	A
Hydraulic Oils (Synthetic)	A	A			D		A	A	D	D	C
Hydrazine	A	A					A	A	C	D	B
Hydrobromic Acid 20%		D	A	A	A			A		D	D
Hydrobromic Acid	D	D	A	A	B		A	A	B		D
Hydrochloric/Muratic Acid (Dry gas)	C	A		A			A				
Hydrochloric/Muratic Acid (20%)	D	D	C	B	A	D	A	A	B	D	C
Hydrochloric/Muratic Acid (37%)	D	D	C	B	A	D	A	A	B	D	C
Hydrochloric/Muratic Acid (100%)	D	D	D	C			A	C			D
Hydrocyanic Acid	A	A	A	A	A		A	A	A	D	C
Hydrocyanic Acid (Gas 10%)	D	D									
Hydroflouric Acid (20%)	D	D	D	B	A	C	B	A	D	C	D
Hydroflouric Acid (75%)	C	D	D	C	B	C	D	A			D
Hydroflouric Acid 100%	D	D	D	B		C	D				D
Hydrofluosilicic Acid (20%)	D	D	D	B	A		A	A			B
Hydrofluosilicic Acid	D	D		C			A				
Hydrogen Gas	A	A						A			
Hydrogen Peroxide 10%	C	C	C	A		B	A		B	D	A
Hydrogen Peroxide 30%		B	B	A	A	C		A	B	D	D
Hydrogen Peroxide	A	B	B	A	A	C		A			D
Hydrogen Sulfide, Aqueous Solution	D	A	A	A	A	A	A	D	B	D	C
Hydrogen Sulfide (dry)	C	A		A		A		D	B	D	
Hydroxyacetic Acid (70%)			B				A	A			A
Ink	A	A					A	A			A
Iodine	D	D	A	B	D		D	A			B
Iodine (In Alcohol)		B	D	A	B			A			D
Iodoform	C	A						A			
Isotane					D			A			A
Isopropyl Acetate		B					A	D	C	D	D
Isopropyl Ether		A			D		A	D	D	D	B
Jet Fuel (JP#, JP4, JP5)	A	A			D	A	A	A	D	D	A
Kerosene	A	A	A	A	D	A	A	A	D	D	A
Ketones	A	A	A	A	D	A	C	D	D	D	D
Lacquers	A	A			A		A	D	D	D	D
Lacquer Thinners		A	A	A	B					D	D
Lactic Acid	A	B	A	A	A	A	A	B	C	D	B
Lard	A	A			A		A	A	D	C	A
Latex	A	A						A	C	B	A
Lead Acetate	A	A	A	A	A		A	D	A	B	B
Lead Sulfamate					A			A			B
Ligroin		A			D			A	D	C	A
Lime	A	A	A				A	A			A
Lubricants	A	A	A	A	A	A	A	A			A
Magnesium Carbonate	A	A		B	A				B	B	A

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Magnesium Chloride	B	B	A	A	A	A		A	B	B	A
Magnesium Hydroxide	A	A	A	A	A	A	A	A	B	B	B
Magnesium Nitrate	A	A	A	A	A			A	B	B	A
Magnesium Oxide	A	A							B	B	A
Magnesium Sulfate	B	A	A	B	A	A	A	A	B	B	A
Maleic Acid	A	A	A	A	C		A	A	C	D	D
Maleic Anhydride				A			A	A	D	D	D
Malic Acid	A	A		A				B	D	C	
Mash	A	A					A				A
Mayonnaise	A	A			A		A	A			A
Melamine	D	D					A				C
Mercuric Chloride (Dilute Solution)	D	D	A	B	A		A	A	A	B	A
Mercuric Cyanide	A	A	A		A		A		C	C	A
Mercury	A	A	C	A	A		A	A	C	B	A
Methanol (See Alcohol Methyl)											
Methyl Acetate		A		A			A	D		D	D
Methyl Acrylate							A	D	C	D	D
Methyl Acetone		A						D		D	D
Methyl Alcohol 10%		A		A							B
Methyl Bromide							A	A	D	D	B
Methyl Butyl Ketone		A					A	D	C	D	D
Methyl Cellosolve					A		A	D	C	D	D
Methyl Chloride	A	A	A	A	D		A	A	D	D	D
Methyl Dichloride							A	A			D
Methyl Ethyl Ketone	A	A	A	A	A	A	A	D	C	D	D
Methyl Isobutyl Ketone		A	A	A	C	A	A	D		D	D
Methyl Isopropyl Ketone		A					A	D		D	D
Methyl Methacrylate							A	D	D	D	D
Methylamine		A					A		C	C	B
Methylene Chloride	A	A	A	A	D		A	D	D	D	D
Milk	A	A			A		A	A	B	B	A
Molasses	A	A			A		A	A	B	B	A
Mustard	A	A			A		A	A	B	D	B
Naphtha	A	A	A	A	A	A	A	A	D	D	B
Naphthalene	A	B	A	A	B	A	A	B	D	D	D
Nickel Chloride	A	B	A	A	A		A	A	A	B	A
Nickel Sulfate	A	B	A	B	A		A	A	A	A	A
Nitric Acid (10% Solution)	A	A	A	A	A	D	C	A	D	D	D
Nitric Acid (20% Solution)	A	A	A	A	A	C	D	A	D	D	D
Nitric Acid (50% Solution)	A	A	A	A	D	C	D	A	D	D	D
Nitric Acid (Concentrated Solution)	D	B	A	B	D	C	D	B	D	D	D
Nitrobenzene	A	B	A	B	C	B	A	D	D	D	D
Oils: Aniline	A	A	A	D	A		A	A	B	D	D
Anise	A	A					A				
Bay	A	A					A	A			

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Bone	A	A					A	A			A
Castor	A	A					A	A			A
Cinnamon	A	A			A		A	D			
Citric	A	A			A		A	A			A
Clove	A	A			B		A				A
Coconut	A	A			A		A	A	D	B	A
Cod Liver	A	A			A		A	A	B	B	A
Corn	A	A			A		A	A	D	D	A
Cotton Seed	A	A			A	A	A	A	D	D	A
Creosote	A	A			D		A	A	D	D	A
Diesel Fuel (2D, 3D, 4D, 5D)	A	A			A	A	A	A	D	D	A
Feul (1,2,3,5A,5B,6)	A	A	A	A	B		A	A	D	D	B
Ginger	A	A					A	A			A
Hydraulic (See Hydraulic)											
Lemon	A	A			D		A	A			
Linseed	A	A			A		A	A	D	C	A
Mineral	A	A			B	A	A	A	D	C	A
Olive	A	A			A		A	A		B	A
Orange	A	A			A		A	A			A
Palm	A	A					A	A			A
Peanut	A	A			D		A	A			A
Peppermint	A	A			D		A	A			D
Pine	A	A					A	A			A
Rape Seed	A	A					A	A			B
Rosin	A	A			A		A	A			A
Sesame Seed	A	A					A	A			A
Silicone	A	A			A		A	A	B	C	A
Soybean	A	A			A		A	A			A
Sperm	A	A					A	A			A
Tanning	A	A					A	A			A
Turbine	A	A					A	A			A
Oleic Acid	A	A		B	C		A	D	C	C	B
Oleum 25%				A				A			D
Oleum		A			D			A	D	D	C
Oxalic Acid (cold)	A	B	C	B	A		A	A			B
Paraffin	A	A			A		A	A	D	C	A
Pentane	C	C		B			A	A	D	C	A
Perchloroethylene	A	A			D	A	A	A	D	D	C
Petrolatum		A					A	A	D	B	A
Phenol 10%	A	A		B		A		B			D
Phenol (Carbolic Acid)	A	A	C	A	B	A	A	A			D
Phosphoric Acid (40% Solution)	B	A	A	A	A	A	B	A	C	C	D
Phosphoric Acid (40% -100% Solution)	C	B	B	A	A	A	B	A	C	D	D
Phosphoric Acid (Crude)	D	C	C	A		A	C	A	C	D	D
Phosphoric Anhydride (Dry or Moist)	A	A					A	D			D

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Phosphoric Anhydride (Molten)	A	A						D			C
Photographic (Developer)	C	A	A	A	A		A	A		A	A
Phthalic Anhydride	A	B		A				A			C
Picric Acid	A	A		A				A	B	A	A
Plating Solutions: Antimony Plating 130°F		A	A	A	A			A		B	A
Arsenic Plating 110°F		A	A	A	A			A		B	A
Brass Plating : Regular Brass Bath 100°F		A	A	A	A			A	C	A	A
High Speed Brass Bath 110°F		A	A	A	A			A			A
Bronze Plating: Copper Cadmium Bronze Bath R.T		A	A	A	A			A	C	A	A
Copper-Tin Bronze Bath 160°F		A	A	A	A			A			A
Copper-Zinc Bronze Bath 100°F		A	A	A	A			A			A
Cadmium Plating Cyanide Bath 90°F		A	A	A	A			A			A
Cadmium Plating Fluoborate Bath 100°F		A	D	A	A			A			B
Chromium Plating: Chromic-Sulfuric Bath 130°F		C	A	A	A			C			D
Fluosilicate Bath 95°F		C	C	A	A			C			D
Flouride Bath 130°F		D	C	A	A			C			D
Black Chrome Bath 115°F		C	A	A	A			C			D
Barrel Chrome Bath 95°F		D	C	A	A			C			D
Copper Plating (Cyanide): Copper Strike Bath 120°F			A	A	A			B			
Rochelle Salt Bath 150° F		A	A	A	A			A			A
High Speed Bath 180° F		A	A	A	A			A			A
Copper Plating (Acid): Copper Sulfate Bath R.T.		D	A	A	A			A			A
Copper Fluoborate Bath 120° F		D	D	A	A			A			B
Copper (Misc.): Copper Pyrophosphate 140° F		A	A	A	A			A			A
Copper (Electroless) 140° F				A	A			A			D
Gold Plating: Cyanide 150° F		A	A	A	A			A			A
Neutral 75° F		C	A	A	A			A			A
Acid 75° F		C	A	A	A			A			A
Indium Sulfamate Plating R.T.		C	A	A	A			A		B	A
Iron Plating: Ferrous Chloride Bath 190° F		D	A	D	C			A			B
Ferrous Sulfate Bath 150° F		C	A	A	A			A			A
Ferrous Am. Sulfate Bath 150° F		C	A	A	A			A			A
Sulfate-Chloride Bath 160° F		D	A	D	A			A			B
Fluoborate Bath 145° F		D	D	B	A			A			B
Sulfamate 140° F		D	A	B	A			A			A
Lead Fluoborate Plating		C	D	A	A			A			B
Nickel Plating: Watts Type 115-160° F		C	A	A	A			A	C	A	A
High Chloride 130 - 160° F		C	A	A	A			A			A
Fluoborate 100 - 170° F		C	D	A	A			A			B
Sulfamate 140° F		C	A	A	A			A			A
Electroless 200° F					D			A			D
Rhodium Plating 120° F		D	D	D	A			A		C	A
Silver Plating 80 - 120° F		A	A	A	A			A	C	B	A
Tin-Fluoborate Plating 100° F		C	D	A	A			A	B	B	B
Tine-Lead Plating 100° F		C	D	A	A			A			B

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Zinc Plating: Acid Chloride 140° F		D	A	D	A			A	B	A	A
Acid Sulfate Bath 150° F		C	A	A	A			A			A
Acid Fluoborate Bath R.T.			D		A			A			B
Alkaline Cyanide Bath R.T.			A	A	A			A			A
Potash	A			A	A		A	A			A
Potassium Bicarbonate	A		A	B	A	A	A	A	B	B	A
Potassium Bromide	A		A	B	A	C	A	A	B	B	A
Potassium Carbonate	A		A	A	A	A	A	A	B	B	B
Potassium Chlorate	A	A	A	B	A	A	A	A	B	B	A
Potassium Chloride	A	A	A	A	A	A	A	A	A	B	A
Potassium Chromate		B		B		A	A	A	B	C	A
Potassium Cyanide Solutions	A	B	A	A	A	A	C	B			A
Potassium Dichromate	A	A	A	B	A	A	A	B	B	B	A
Potassium Ferrocyanide	A			B					B	A	D
Potassium Hydroxide (50%)	B	B	C	A	A	A		D			B
Potassium Nitrate	A	B	A	B	A	C	A	B	A	A	A
Potassium Permanganate	A	B	B	B	B	A	A	B	A	B	A
Potassium Sulfate	A	B	A	A	A	A	A	A	B	B	A
Potassium Sulfide	A			B						C	A
Propane (Liquified)	A				D		A	A			A
Propylene Glycol	B						A	A		B	A
Pyridine	C				B	A	A	D	C	D	D
Pyrogallic Acid	A	A		A			A	A		A	A
Rosins	A	A		B	A		A				A
Rum	A				A		A	A			A
Rust Inhibitors	A				A		A	A			A
Salad Dressing	A				A		A	A			A
Sea Water	A	C	A		A		A	A	A	B	A
Shellac (Bleached)	A				A						A
Shellac (Orange)	A				A						A
Silicone	B				A		A	A			A
Silver Bromide	C	C					A				
Silver Nitrate	A	B	A	A	A		A	A	A	B	C
Soap Solutions	A	A	A	B	A	A	A	A	A	B	A
Soda Ash (See Sodium Carbonate)											
Sodium Acetate	A	A	A		A		A	D	B	A	D
Sodium Aluminate			B	B		A	A	A	A	B	A
Sodium Bicarbonate	A	A	A		A	A	A	A	A	B	A
Sodium Bisulfate	A		B	B	A	A	A	B	A	B	A
Sodium Bisulfite	A		A	B	A	A	A	A	A	B	A
Sodium Borate	A			A				A	B	A	
Sodium Carbonate	A	B	A	A	A	A	B	A	B	A	A
Sodium Chlorate	A		A	B	A	A	A	A	B	C	D
Sodium Chloride	A	C	A	A	A	A	A	A	B	B	A
Sodium Chromate	A	A		B	A	A	A	B	C	C	A

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Sodium Cyanide	A		A		A	A	A	A	B	B	A
Sodium Flouride	C		A	A				B	B	C	D
Sodium Hydrosulfite				A				A			
Sodium Hydroxide/Caustic Soda (20%)	A	A	A	A	A	A	C	A			A
Sodium Hydroxide/Caustic Soda (50%)	A	B	A	A	A	B	C	D			D
Sodium Hydroxide/Caustic Soda (80%)	A	D	A	B	A	B	C	B			D
Sodium Hypochlorite/Bleach (to 20%)	C	C	A	A	C	C	D	A			C
Sodium Hypochlorite/Bleach		D	A	A	C	C		B	C	D	B
Sodium Hyposulfate	A	A									
Sodium Metaphosphate		A			D		A	A	C	B	A
Sodium Metasilicate		A					A	A			A
Sodium Nitrate	A	A	A	B	A		A	D	A	B	C
Sodium Perborate		C			A		A	A	C	A	B
Sodium Peroxide	A	A		B			A	A	B	A	C
Sodium Polyphosphate (Mono, Di, Tribasic)	A	A	A	A			A	A			A
Sodium Silicate	A	B	A	B	A		A	A	A	B	A
Sodium Sulfate	A	A	A	B	A	A	A	A	B	B	A
Sodium Sulfide	A	B	A	B	A	A	A	A	B	B	C
Sodium Sulfite	C	C	A	A			A	A	B	B	A
Sodium Tetraborate		A					A	A	B	B	A
Sodium Thiosulfate ("Hypo")	A	A	A		A	A	A	A		A	B
Sorghum	A	A					A	A			A
Soy Sauce	A	A					A	A			A
Stannic Chloride	D	D	A	B	A			A	B	D	A
Stannic Fluoborate		A						A			A
Stannous Chloride	D	C	A	A				B	B	D	C
Starch	A	A					A	A	B	B	A
Stearic Acid	A	A	A	A	D		A	A	D	D	B
Stoddard Solvent	A	A	A	A	D	A	A	A			B
Styrene	A	A					A	B	D	D	D
Sugar (Liquids)	A	A		A	A		A	A			A
Sulfate Liquors	C	C		A	A		A		C	B	
Sulfur Chloride	D	D			D		A	A	D	D	D
Sulfur Dioxide	A	A	A	B	D	A	A	D			D
Sulfur Dioxide (dry)	A	A		A			A	D	C	D	
Sulfur Trioxide (dry)	A	C					B	A	D	D	D
Sulfuric Acid (to 10%)	D	C	A	A	A	A	A	A	B	B	C
Sulfuric Acid (10% -75%)	D	D	C	B	A	B	A	A	B	B	D
Sulfuric Acid (75% - 100%)		D	D	B	B	C		A	B	D	D
Sulfurous Acid	C	B	A	B	A		B	A	D	D	C
Sulfuryl Chloride											
Syrup	A	A			A		A	A			A
Tallow	A	A					A	A			A
Tannic Acid	A	A	A	B	A		A	A	C	B	D
Tanning Liquors	A	A	A	A	A		A	A		C	C

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Tartaric Acid	A	B	A	B	A		A	A			D
Tetrachlorethane		A	A	A	A		A	A	D	D	D
Tetrahydrofuran	A	A			C	A	A	D	D	D	D
Toluene, Toluol	A	A	A	A	D	A	A	C	D	D	D
Tomato Juice	A	A			A	A	A	A	A	B	A
Trichlorethane	C	A	A	A			A	A			D
Trichlorethylene	A	A	A	A	D	C	A	A	D	D	D
Trichloropropane		A					A	A		D	A
Tricresylphosphate		A	B	A			A	B		D	D
Triethylamine							A	A	C	C	A
Turpentine	A	A		A	B	A	A	A	D	D	D
Urine	A	A			A		A	A	B	B	A
Vegetable Juice	A	A					A	A			A
Vinegar	A	A	A	A	A	A	A	A	B	A	C
Varnish (Use Viton for Aromatic)	A	A			A		A	A	D	D	B
Water, Acid, Mine	A	A			A	B	A	A	A	B	A
Water, Distilled, Lab Grade 7	A	A			A	A	A	A	A	B	A
Water, Fresh	A	A			A	A	A	A	A	B	A
Water, Salt	A	A			A	A	A	A	A	B	A
Weed Killers	A	A					A	A			B
Whey	A	A					A	A			A
Whiskey and Wines	A	A			A		A	A	A	A	A
White Liquor (Pulp Mill)	A	A		A	A		A	A		B	A
White Paper (Paper Mill)	A	A			A		A	A			
Xylene	A	A		A	D	A	A	A	D	D	D
Zinc Chloride	D	B	A	B	A	A	A	A	B	B	A
Zinc Hydrosulphite		A				A	A				A
Zinc Sulfate	A	A	A	B	A	A	A	A	B	B	A