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Chemical	Rating	Chemical	Rating	Chemical	Rating	Chemical	Rating
Acetaldehyde	A	Aluminum Potassium Sulfate 10%	C	Antimony Trichloride	N/A	Butane	A
Acetamide	A	Aluminum Potassium Sulfate 100%	C	Aqua Regia (80% HCl, 20% HNO ₃)	D	Butanol (Butyl Alcohol)	A
Acetate Solvent	N/A	Aluminum Sulfate	A1	Arochlor 1248	N/A	Butter	A
Acetic Acid 5%	C	Alums	N/A	Aromatic Hydrocarbons	A	Buttermilk	A
Acetic Acid 20%	D	Amines	D	Arsenic Acid	D	Butyl Amine	C1
Acetic Acid 80%	D	Ammonia 10%	D	Arsenic Salts	N/A	Butyl Ether	D
Acetic Acid, Glacial	D	Ammonia Nitrate	C	Asphalt	B2	Butyl Phthalate	N/A
Acetic Anhydride	D	Ammonia, anhydrous	D	Barium Carbonate	A	Butylacetate	A
Acetone	A	Ammonia, liquid	D	Barium Chloride	A	Butylene	A
Acetyl Bromide	N/A	Ammonium Acetate	N/A	Barium Cyanide	B	Butyric Acid	A
Acetyl Chloride (dry)	D	Ammonium Bifluoride	D	Barium Hydroxide	D	Calcium Bisulfate	N/A
Acetylene	A	Ammonium Carbonate	D	Barium Nitrate	B2	Calcium Bisulfide	D
Acrylonitrile	N/A	Ammonium Caseinate	D	Barium Sulfate	B2	Calcium Bisulfite	D
Adipic Acid 5%	A	Ammonium Chloride	B	Barium Sulfide	A	Calcium Carbonate	A
Alcohols: Amyl	A	Ammonium Hydroxide	D	Beer	A1	Calcium Chlorate	A
Alcohols: Benzyl	A	Ammonium Nitrate	A2	Beet Sugar Liquids	B	Calcium Chloride	D
Alcohols: Butyl	A	Ammonium Oxalate	B	Benzaldehyde	A	Calcium Chloride 5%	B1
Alcohols: Diacetone	A	Ammonium Persulfate	D	Benzene	A	Calcium Hydroxide	D
Alcohols: Ethyl	A1	Ammonium Phosphate, Dibasic	B2	Benzene Sulfonic Acid	N/A	Calcium Hydroxide 10%	A
Alcohols: Hexyl	A	Ammonium Phosphate, Monobasic	B	Benzoic Acid	B	Calcium Hypochlorite	D
Alcohols: Isobutyl	A	Ammonium Phosphate, Tribasic	B	Benzol	A	Calcium Nitrate	D
Alcohols: Isopropyl	A	Ammonium Sulfate	B1	Benzonitrile	N/A	Calcium Oxide	A
Alcohols: Methyl	A	Ammonium Sulfite	D	Benzyl Chloride	A	Calcium Sulfate	D
Alcohols: Octyl	A	Ammonium Thiosulfate	B	Bleaching Liquors	N/A	Calgon	D
Alcohols: Propyl	A	Amyl Acetate	B1	Borax (Sodium Borate)	B	Cane Juice	A
Aluminum Chloride	N/A	Amyl Alcohol	A	Boric Acid	A	Carbolic Acid (Phenol)	D
Aluminum Chloride 20%	C	Amyl Chloride	A	Brake Fluid	B	Carbon Bisulfide	A
Aluminum Fluoride	C	Aniline	A1	Brewery Slop	B	Carbon Dioxide (dry)	A
Aluminum Hydroxide	A	Aniline Hydrochloride	N/A	Bromine	D	Carbon Dioxide (wet)	A
Aluminum Nitrate	B1	Antifreeze	D	Butadiene	A	Carbon Disulfide	A1

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Carbon Monoxide	A	Copper Fluoborate	B	Ethyl Benzoate	N/A	Fruit Juice	D
Carbon Tetrachloride	B1	Copper Nitrate	A	Ethyl Chloride	A1	Fuel Oils	A
Carbon Tetrachloride (dry)	N/A	Copper Sulfate >5%	D	Ethyl Ether	A1	Furan Resin	D
Carbon Tetrachloride (wet)	A1	Copper Sulfate 5%	D	Ethyl Sulfate	N/A	Furfural	A
Carbonated Water	A	Cream	A	Ethylene Bromide	N/A	Gallic Acid	N/A
Carbonic Acid	B1	Cresols	D	Ethylene Chloride	A1	Gasoline (high-aromatic)	B
Catsup	B	Cresylic Acid	D	Ethylene Chlorohydrin	D	Gasoline, leaded, ref.	A
Chloric Acid	D	Cupric Acid	N/A	Ethylene Diamine	D	Gasoline, unleaded	A
Chlorinated Glue	D	Cyanic Acid	D	Ethylene Dichloride	B1	Gelatin	B
Chlorine (dry)	D	Cyclohexane	A1	Ethylene Glycol	B	Glucose	A
Chlorine Water	D	Cyclohexanone	A	Ethylene Oxide	D	Glue, P.V.A.	A
Chlorine, Anhydrous Liquid	A1	Detergents	A1	Fatty Acids	A	Glycerin	A
Chloroacetic Acid	D	Diacetone Alcohol	N/A	Ferric Chloride	D	Glycolic Acid	A
Chlorobenzene (Mono)	D	Dichlorobenzene	N/A	Ferric Chloride 5%	B1	Gold Monocyanide	A
Chlorobromomethane	N/A	Dichloroethane	A1	Ferric Nitrate	D	Grape Juice	A
Chloroform	A	Diesel Fuel	A	Ferric Sulfate	D	Grease	D
Chlorosulfonic Acid	D	Diethyl Ether	N/A	Ferrous Chloride	D	Heptane	A
Chocolate Syrup	D	Diethylamine	B	Ferrous Chloride 5%	B1	Hexane	A
Chromic Acid 10%	D	Diethylene Glycol	A1	Ferrous Sulfate	D	Honey	A
Chromic Acid 30%	D	Dimethyl Aniline	D	Fluoboric Acid	A1	Hydraulic Oil (Petro)	B
Chromic Acid 5%	D	Dimethyl Formamide	D	Fluorine	D	Hydraulic Oil (Synthetic)	N/A
Chromic Acid 50%	D	Diphenyl	N/A	Fluosilicic Acid	A1	Hydrazine	B
Chromium Salts	N/A	Diphenyl Oxide	D	Formaldehyde 100%	A	Hydrobromic Acid 100%	D
Cider	A	Dyes	C	Formaldehyde 40%	A2	Hydrobromic Acid 20%	C
Citric Acid	B1	Epsom Salts (Magnesium Sulfate)	B	Formic Acid	A2	Hydrochloric Acid 100%	C
Citric Oils	B	Ethane	A1	Freon 113	A	Hydrochloric Acid 20%	C
Clorox® (Bleach)	D	Ethanol	A1	Freon 12	B	Hydrochloric Acid 37%	C
Coffee	A	Ethanolamine	D	Freon 22	A	Hydrochloric Acid, Dry Gas	N/A
Copper Chloride	A	Ether	A1	Freon TF	A	Hydrocyanic Acid	B
Copper Cyanide	A	Ethyl Acetate	A	Freon® 11	D	Hydrocyanic Acid (Gas 10%)	C

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Hydrofluoric Acid 100%	D	Latex	B	Mercury	A	Nickel Chloride	A
Hydrofluoric Acid 20%	D	Lead Acetate	B	Methane	A	Nickel Nitrate	N/A
Hydrofluoric Acid 50%	D	Lead Nitrate	N/A	Methanol (Methyl Alcohol)	A	Nickel Sulfate	A
Hydrofluoric Acid 75%	D	Lead Sulfamate	A	Methyl Acetate	B	Nitrating Acid (<15% HNO3)	N/A
Hydrofluosilicic Acid 100%	A	Ligroin	B	Methyl Acetone	D	Nitrating Acid (>15% H2SO4)	D
Hydrofluosilicic Acid 20%	B	Lime	B	Methyl Acrylate	B	Nitrating Acid (Š1% Acid)	N/A
Hydrogen Gas	N/A	Linoleic Acid	B	Methyl Alcohol 10%	A	Nitrating Acid (Š15% H2SO4)	N/A
Hydrogen Peroxide 10%	D	Lithium Chloride	A	Methyl Bromide	D	Nitric Acid (20%)	D
Hydrogen Peroxide 30%	D	Lithium Hydroxide	N/A	Methyl Butyl Ketone	D	Nitric Acid (50%)	D
Hydrogen Peroxide 50%	D	Lubricants	A	Methyl Cellosolve	D	Nitric Acid (5-10%)	D
Hydrogen Peroxide 100%	D	Lye: Ca(OH)2 Calcium Hydroxide	D	Methyl Chloride	B	Nitric Acid (Concentrated)	D
Hydrogen Sulfide (aqua)	C	Lye: KOH Potassium Hydroxide	A	Methyl Dichloride	D	Nitrobenzene	C
Hydrogen Sulfide (dry)	N/A	Lye: NaOH Sodium Hydroxide	C	Methyl Ethyl Ketone	C	Nitrogen Fertilizer	N/A
Hydroquinone	A	Magnesium Bisulfate	N/A	Methyl Ethyl Ketone Peroxide	N/A	Nitromethane	A
Hydroxyacetic Acid 70%	A	Magnesium Carbonate	A	Methyl Isobutyl Ketone	N/A	Nitrous Acid	N/A
Ink	B	Magnesium Chloride	B1	Methyl Isopropyl Ketone	N/A	Nitrous Oxide	N/A
Iodine	D	Magnesium Hydroxide	A	Methyl Methacrylate	D	Oils: Aniline	D
Iodine (in alcohol)	D	Magnesium Nitrate	A	Methylamine	D	Oils: Anise	D
Iodoform	N/A	Magnesium Oxide	A	Methylene Chloride	B	Oils: Bay	D
Isooctane	N/A	Magnesium Sulfate (Epson Salts)	B	Milk	A	Oils: Bone	D
Isopropyl Acetate	D	Maleic Acid	A	Mineral Spirits	A	Oils: Castor	A
Isopropyl Ether	D	Maleic Anhydride	D	Molasses	A	Oils: Cinnamon	D
Isotane	N/A	Malic Acid	A	Monochloroacetic acid	D	Oils: Citric	B
Jet Fuel (JP3, JP4, JP5)	A1	Manganese Sulfate	A1	Monoethanolamine	D	Oils: Clove	N/A
Kerosene	A2	Mash	A	Morpholine	N/A	Oils: Coconut	A
Ketones	D	Mayonnaise	A	Motor oil	B	Oils: Cod Liver	B
Lacquer Thinners	D	Melamine	A	Mustard	C	Oils: Corn	A
Lacquers	D	Mercuric Chloride (dilute)	B	Naphtha	A1	Oils: Cottonseed	A
Lactic Acid	B	Mercuric Cyanide	N/A	Naphthalene	A1	Oils: Creosote	D
Lard	A	Mercurous Nitrate	N/A	Natural Gas	B	Oils: Diesel Fuel (20, 30, 40, 50)	D

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Oils: Fuel (1, 2, 3, 5A, 5B, 6)	D	Perchloroethylene	B	Plating Solutions– Chromic Sulfuric Bath 130°F	D	Plating Solutions– Nickel Sulfamate 100-140°F	N/A
Oils: Ginger	A	Petrolatum	B	Plating Solutions– Chrome Fluoride Bath 130°F	D	Plating Solutions– Nickel Watts Type 115-160°F	N/A
Oils: Hydraulic Oil (Petro)	B	Petroleum	B	Plating Solutions– Chrome Fluosilicate Bath 95°F	D	Plating Solutions– Rhodium 120°F	N/A
Oils: Hydraulic Oil (Synthetic)	N/A	Phenol (10%)	B	Plating Solutions– Copper Fluoborate Bath 120°F	C	Plating Solutions– Silver 80-120°F	N/A
Oils: Lemon	D	Phenol (Carbolic Acid)	D	Plating Solutions– Copper Sulfate Bath	A	Plating Solutions– Tin-Fluoborate 100°F	N/A
Oils: Linseed	A	Phosphoric Acid (>40%)	D	Plating Solutions– Copper Strike Bath 120°F	A	Plating Solutions– Tin-Lead 100°F	N/A
Oils: Mineral	A	Phosphoric Acid (crude)	D	Plating Solutions– Copper Cyanide High-Speed Bath	B	Plating Solutions– Zinc Acid Chloride 140°F	N/A
Oils: Olive	A	Phosphoric Acid (molten)	D	Plating Solutions– Copper Cyanide Rochelle Salt Bath	B	Plating Solutions– Zinc Acid Fluoborate Bath	N/A
Oils: Orange	D	Phosphoric Acid (Š40%)	D	Plating Solutions– Copper Electroless	D	Plating Solutions– Zinc Acid Sulfate Bath 150°F	N/A
Oils: Palm	A	Phosphoric Acid Anhydride	D	Plating Solutions– Copper Pyrophosphate	A	Plating Solutions– Zinc Alkaline Cyanide Bath	N/A
Oils: Peanut	A	Phosphorus	B	Plating Solutions– Gold, Acid 75°F	N/A	Potash (Potassium Carbonate)	B
Oils: Peppermint	D	Phosphorus Trichloride	D	Plating Solutions– Gold, Cyanide 150°F	N/A	Potassium Bicarbonate	C
Oils: Pine	A	Photographic Developer	D	Plating Solutions– Gold, Neutral 75°F	N/A	Potassium Bromide	A
Oils: Rapeseed	A	Photographic Solutions	D	Plating Solutions– Indium Sulfamate	N/A	Potassium Chlorate	B
Oils: Rosin	N/A	Phthalic Acid	C	Plating Solutions– Ferrous Am Sulfate Bath 150°F	N/A	Potassium Chloride	A
Oils: Sesame Seed	D	Phthalic Anhydride	C	Plating Solutions– Ferrous Chloride Bath 190°F	N/A	Potassium Chromate	C
Oils: Silicone	A	Picric Acid	A	Plating Solutions– Ferrous Sulfate Bath 150°F	N/A	Potassium Cyanide Solutions	C
Oils: Soybean	A	Plating Solutions– Antimony 130°F	A	Plating Solutions– Fluoborate Bath 145°F	N/A	Potassium Dichromate	A
Oils: Sperm (whale)	D	Plating Solutions– Arsenic 110°F	A	Plating Solutions– Sulfamate 140°F	N/A	Potassium Ferricyanide	B
Oils: Tanning	D	Plating Solutions– High-Speed	A	Plating Solutions– Sulfate-Chloride Bath 160°F	N/A	Potassium Ferrocyanide	NA
Oils: Transformer	A	Plating Solutions– Brass Bath 100°F	A	Plating Solutions– Lead Fluoborate	N/A	Potassium Hydroxide (Caustic Potash)	A
Oils: Turbine	A	Plating Solutions– Cu-Cd Bronze Bath	A	Plating Solutions– Nickel Electroless 200°F	N/A	Potassium Hypochlorite	N/A
Oleic Acid	A	Plating Solution– Cu-Sn Bronze Bath 160°F	B	Plating Solutions, Nickel Fluoborate 100-170°F	N/A	Potassium Iodide	N/A
Oleum 100%	D	Plating Solutions– Cu-Zn Bronze Bath 100°F	A	Plating Solutions, Nickel High-Chloride 130-160°F	N/A	Potassium Nitrate	A
Oleum 25%	D	Plating Solutions– Cad Cyanide Bath 90°F	A			Potassium Oxalate	N/A
Oxalic Acid (cold)	B	Plating Solutions– Cad Fluoborate Bath 100°F	C			Potassium Permanganate	A
Ozone	C	Plating Solutions– Barrel Chrome Bath 95°F	D			Potassium Sulfate	B
Palmitic Acid	A	Plating Solutions– Black Chrome Bath 115°F	D			Potassium Sulfide	N/A
Paraffin	A						
Pentane	B						
Perchloric Acid	C						

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Propane (liquefied)	A	Sodium Chloride	A1	Stearic Acid	A	Trichloroethylene	D
Propylene	N/A	Sodium Chromate	D	Stoddard Solvent	A	Trichloropropane	A
Propylene Glycol	B	Sodium Cyanide	A	Styrene	A	Tricresylphosphate	C
Pyridine	B	Sodium Ferrocyanide	A	Sugar (Liquids)	A	Triethylamine	D
Pyrogalllic Acid	D	Sodium Fluoride	N/A	Sulfate (Liquors)	D	Trisodium Phosphate	A
Resorcinol	N/A	Sodium Hydrosulfite	N/A	Sulfur Chloride	D	Turpentine	A2
Rosins	B	Sodium Hydroxide (20%)	A	Sulfur Dioxide	B	Urea	A
Rum	A	Sodium Hydroxide (50%)	A	Sulfur Dioxide (dry)	B	Uric Acid	N/A
Rust Inhibitors	A	Sodium Hydroxide (80%)	D	Sulfur Hexafluoride	N/A	Urine	A
Salad Dressings	A	Sodium Hypochlorite (<20%)	D	Sulfur Trioxide	N/A	Varnish	A
Salicylic Acid	D	Sodium Hypochlorite (100%)	D	Sulfur Trioxide (dry)	D	Vegetable Juice	A
Salt Brine (NaCl saturated)	N/A	Sodium Hyposulfate	N/A	Sulfuric Acid (<10%)	D	Vinegar	B
Sea Water	A	Sodium Metaphosphate	B	Sulfuric Acid (10-75%)	D	Vinyl Acetate	N/A
Shellac (Bleached)	A	Sodium Metasilicate	D	Sulfuric Acid (75-100%)	N/A	Vinyl Chloride	N/A
Shellac (Orange)	A	Sodium Nitrate	A	Sulfuric Acid (cold concentrated)	N/A	Water, Acid, Mine	A1
Silicone	A	Sodium Perborate	B	Sulfuric Acid (hot concentrated)	N/A	Water, Deionized	N/A
Silver Bromide	C	Sodium Peroxide	D	Sulfurous Acid	C	Water, Distilled	B
Silver Nitrate	A	Sodium Polyphosphate	B	Sulfuryl Chloride	A	Water, Fresh	A2
Soap Solutions	A	Sodium Silicate	C	Tallow	A	Water, Salt	A
Soda Ash (see Sodium Carbonate)	A	Sodium Sulfate	B	Tannic Acid	B	Weed Killers	A
Sodium Acetate	B	Sodium Sulfide	B	Tanning Liquors	B	Whey	A
Sodium Aluminate	B	Sodium Sulfite	A	Tartaric Acid	B	Whiskey & Wines	A
Sodium Benzoate	N/A	Sodium Tetraborate	B	Tetrachloroethane	A	White Liquor (Pulp Mill)	D
Sodium Bicarbonate	A	Sodium Thiosulfate (hypo)	C1	Tetrachloroethylene	A	White Water (Paper Mill)	B
Sodium Bisulfate	B1	Sorghum	A	Tetrahydrofuran	A	Xylene	A
Sodium Bisulfite	C1	Soy Sauce	A	Tin Salts	N/A	Zinc Chloride	C
Sodium Borate (Borax)	B1	Stannic Chloride	C	Toluene (Toluol)	C1	Zinc Hydrosulfite	C
Sodium Bromide	A	Stannic Fluoborate	C	Tomato Juice	B	Zinc Sulfate	C
Sodium Carbonate	A1	Stannous Chloride	D	Trichloroacetic Acid	N/A		
Sodium Chlorate	A	Starch	A	Trichloroethane	A		

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