POLYPROPYLENE

20-GALLON & 30-GALLON SALVAGE DRUMS

A = EXCELLENT

B = GOOD, MINOR EFFECT, SLIGHT CORROSION OR DISCOLORATION

C = FAIR, MODERATE EFFECT, NOT RECOMMENDED FOR CONTINUOUS USE

D = SEVERE EFFECT, NOT RECOMMENDED FOR ANY USE

CHEMICAL	RATING
Acetaldehyde	A1
Acetamide	A1
Acetate Solvent	B1
Acetic Acid	B
Acetic Acid 20%	A
Acetic Acid 80%	A
Acetic Acid, Glacial	A1
Acetic Anhydride	B1
Acetone	A
Acetyl Chloride (dry)	D
Acetylene	A1
Acrylonitrile	A1
Adipic Acid	B2
Alcohols: Amyl	B1
Alcohols: Benzyl	A
Alcohols: Butyl	A
Alcohols: Diacetone	B2
Alcohols: Ethyl	A
Alcohols: Isobutyl	A1
Alcohols: Isopropyl	A2
Alcohols: Methyl	A2
Alcohols: Propyl	A
Aluminum Chloride	A
Aluminum Chloride 20%	A
Aluminum Fluoride	A
Aluminum Hydroxide	A
Aluminum Nitrate	A2
Aluminum Potassium Sulfate 10%	A
Aluminum Potassium Sulfate 100%	A
Aluminum Sulfate	A
Alums	A
Amines	B2
Ammonia 10%	A2
Ammonia Nitrate	A
Ammonia, anhydrous	A
Ammonia, liquid	A2
Ammonium Acetate	A
Ammonium Bifluoride	A
Ammonium Carbonate	A
Ammonium Chloride	A
Ammonium Hydroxide	A
Ammonium Nitrate	A
Ammonium Oxalate	A
Ammonium Persulfate	A
Ammonium Phosphate, Dibasic	A
Ammonium Phosphate, Monobasic	A
Ammonium Phosphate, Tribasic	A
Ammonium Sulfate	A
Ammonium Sulfite	A2
Amyl Acetate	B1
Amyl Alcohol	B1
Amyl Chloride	D
Aniline	A1
Aniline Hydrochloride	D
Antifreeze	D
Antimony Trichloride	A
Aqua Regia (80% HCl, 20% HNO3)	B1
Arochlor 1248	D
Aromatic Hydrocarbons	D
Arsenic Acid	A
Asphalt	B1
Barium Carbonate	A
Barium Chloride	A
Barium Cyanide	D
Barium Hydroxide	B
Barium Nitrate	A
Barium Sulfate	B1
Barium Sulfide	B
Beer	A1
Beet Sugar Liquids	A1
Benzaldehyde	D
Benzene	D
Benzene Sulfonic Acid	D
Benzoic Acid	B1
Benzol	B
Benzyl Chloride	C1
Bleaching Liquors	A1
Borax (Sodium Borate)	B
Boric Acid	A
Bromine	D
Butadiene	C
Butane	A1
Butanol (Butyl Alcohol)	A1
Buttermilk	A1
Butyl Amine	B1
Butyl Ether	D
Butyl Phthalate	B2
Butylacetate	B1
Butyric Acid	B1
Calcium Bisulfide	A
Calcium Bisulfite	A
Calcium Carbonate	A
Calcium Chloride	A2
Calcium Hydroxide	A2
Calcium Hypochlorite	A1
Calcium Nitrate	A2
Calcium Oxide	A
Calcium Sulfate	A
Calgon	A
Cane Juice	C1
Carbolic Acid (Phenol)	B
Carbon Bisulfide	D
Carbon Dioxide (dry)	A2
Carbon Dioxide (wet)	A2
Carbon Disulfide	D
Carbon Monoxide	A
Carbon Tetrachloride	D
Carbon Tetrachloride (dry)	D
Carbon Tetrachloride (wet)	D
Carbonated Water	B
Carbonic Acid	A
Catsup	A
Chlorine (dry)	D
Chlorine Water	D
Chlorine, Anhydrous Liquid	D
Chloroacetic Acid	C1
Chlorobenzene (Mono)	C1
Chlorobromomethane	A
Chloroform	C1
Chlorosulfonic Acid	D
Chocolate Syrup	A2
Chromic Acid 10%	D
Chromic Acid 30%	D
Chromic Acid 5%	D
Chromic Acid 50%	D
Cider	A
Citric Acid	A
Citric Oils	A
Clorox (Bleach)	A
Coffee	A
Copper Chloride	A
Copper Cyanide	A
Copper Nitrate	A
Copper Sulfate>5%	A
Copper Sulfate 5%	A
Cream	A
Cresols	D
Cresylic Acid	A1
Cupric Acid	A2
Cyclohexane	D
Cyclohexanone	D
Detergents	A
Diacetone Alcohol	A1
Dichlorobenzene	C1
Dichloroethane	D
Diesel Fuel	A1
Diethyl Ether	A1
Diethylamine	A1
Diethylene Glycol	A2
Dimethyl Aniline	D
Dimethyl Formamide	A
Diphenyl	D
Diphenyl Oxide	
Epsom Salts (Magnesium Sulfate)	D
Ethane	A
Ethanol	D
Ethanolamine	A
Ether	D
Ethyl Acetate	D
Ethyl Benzoate	A1
Ethyl Chloride	B1
Ethyl Ether	D
Ethylene Bromide	D
Ethylene Chloride	D
Ethylene Chlorohydrin	C1
Ethylene Dichloride	D
Ethylene Glycol	D
Ethylene Oxide	A
Fatty Acids	D
Ferric Chloride	A
Ferric Nitrate	A
Ferric Sulfate	A
Ferrous Chloride	A
Ferrous Sulfate	A
Fluoboric Acid	A
Fluorine	D
Fluosilicic Acid	A
Formaldehyde 100%	C
Formaldehyde 40%	A
Formic Acid	A1
Freon 113	D
Freon 12	A2
Freon 22	B
Freon TF	D
Freonr 11	A
Fruit Juice	B
Fuel Oils	A
Furan Resin	D
Furfural	D
Gallic Acid	A
Gasoline (high-aromatic)	A
Gasoline, leaded, ref.	B
Gasoline, unleaded	C1
Gelatin	A
Glucose	A
Glycerin	A
Glycolic Acid	A
Heptane	C2
Hexane	B1
Honey	A
Hydraulic Oil (Petro)	D
Hydraulic Oil (Synthetic)	D
Hydrazine	C
Hydrobromic Acid 100%	C1
Hydrobromic Acid 20%	A2
Hydrochloric Acid 100%	C
Hydrochloric Acid 20%	B2
Hydrochloric Acid 37%	C
Hydrochloric Acid, Dry Gas	B
Hydrocyanic Acid	A
Hydrocyanic Acid (Gas 10%)	A
Hydrofluoric Acid 100%	C1
Hydrofluoric Acid 20%	A2
Hydrofluoric Acid 50%	A2
Hydrofluoric Acid 75%	C1
Hydrofluosilicic Acid 100%	A
Hydrofluosilicic Acid 20%	A
Hydrogen Gas	A
Hydrogen Peroxide 10%	A
Hydrogen Peroxide 100%	B1
Hydrogen Peroxide 30%	B1
Hydrogen Peroxide 50%	B1
Hydrogen Sulfide (aqua)	A1
Hydrogen Sulfide (dry)	A1
Hydroquinone	A
Iodine	C
Isooctane	A2
Isopropyl Acetate	B1
Isopropyl Ether	B
Isotane	D
Jet Fuel (JP3, JP4, JP5)	A1
Kerosene	B
Ketones	C
Lacquer Thinners	D
Lacquers	D
Lactic Acid	B
Lard	B1
Latex	A2
Lead Acetate	A1
Lead Nitrate	A2
Lead Sulfamate	A2
Ligroin	A2
Linoleic Acid	B1
Lithium Chloride	A2
Lubricants	A1
Lye: Ca(OH)2 Calcium Hydroxide	A2
Lye: KOH Potassium Hydroxide	A
Lye: NaOH Sodium Hydroxide	A
Magnesium Bisulfate	A2
Magnesium Carbonate	A
Magnesium Chloride	A2
Magnesium Hydroxide	A
Magnesium Nitrate	A
Magnesium Sulfate (Epsom Salts)	A
Maleic Acid	A
Maleic Anhydride	D
Malic Acid	A1
Melamine	A
Mercuric Chloride (dilute)	B
Mercuric Cyanide	B
Mercurous Nitrate	A
Mercury	B
Methane	A
Methanol (Methyl Alcohol)	A2
Methyl Acetate	D
Methyl Acrylate	D
Methyl Alcohol 10%	A2
Methyl Bromide	C
Methyl Butyl Ketone	D
Methyl Cellosolve	B
Methyl Chloride	D
Methyl Dichloride	D
Methyl Ethyl Ketone	B
Methyl Isobutyl Ketone	A
Methyl Methacrylate	D
Methylamine	A2
Methylene Chloride	B1
Milk	B
Mineral Spirits	B
Molasses	B
Monoethanolamine	B
Morpholine	B2
Motor oil	A1
Mustard	A
Naphtha	B
Naphthalene	B
Natural Gas	A
Nickel Chloride	A
Nickel Nitrate	A2
Nickel Sulfate	A
Nitrating Acid (<15% HNO3)	C
Nitrating Acid (>15% H2SO4)	C
Nitrating Acid (S1% Acid)	C
Nitrating Acid (S15% H2SO4)	C
Nitric Acid (20%)	A2
Nitric Acid (50%)	B
Nitric Acid (5-10%)	A
Nitric Acid (Concentrated)	D
Nitrobenzene	B1
Nitromethane	B2
Nitrous Acid	A
Nitrous Oxide	D
Oils: Aniline	A
Oils: Bone	A
Oils: Castor	A
Oils: Cinnamon	D
Oils: Citric	A
Oils: Coconut	A1
Oils: Cod Liver	A1
Oils: Corn	A2
Oils: Cottonseed	A
Oils: Creosote	C
Oils: Diesel Fuel Oil (20, 30, 40, 50)	A1
Oils: Fuel Oil (1, 2, 3, 5A, 5B, 6)	B
Oils: Hydraulic Oil (Petro)	D
Oils: Hydraulic Oil (Synthetic)	D
Oils: Linseed	A
Oils: Mineral	A
Oils: Olive	A
Oils: Orange	A
Oils: Peanut	D
Oils: Pine	B
Oils: Rapeseed	D
Oils: Rosin	A2
Oils: Sesame Seed	A
Oils: Silicone	A
Oils: Soybean	A1
Oils: Transformer	B
Oils: Turbine	B1
Oleic Acid	B1
Oleum 100%	D
Oleum 25%	D
Oxalic Acid (cold)	A2
Ozone	B
Palmitic Acid	B1
Paraffin	A1
Pentane	D
Perchloric Acid	C
Perchloroethylene	D
Petrolatum	D
Petroleum	B1
Phenol (10%)	B1
Phenol (Carbolic Acid)	B
Phosphoric Acid (>40%)	A2
Phosphoric Acid (crude)	B2
Phosphoric Acid (molten)	D
Phosphoric Acid (S40%)	A2
Phosphoric Acid Anhydride	A
Phosphorus	A
Photographic Developer	A
Photographic Solutions	A2
Phthalic Acid	A
Phthalic Anhydride	D
Picric Acid	B1
Potash (Potassium Carbonate)	A
Potassium Bicarbonate	A
Potassium Bromide	A
Potassium Chlorate	A
Potassium Chloride	A
Potassium Chromate	A
Potassium Cyanide Solutions	A
Potassium Dichromate	A
Potassium Ferricyanide	A2
Potassium Ferrocyanide	A
Potassium Hydroxide (Caustic Potash)	A
Potassium Iodide	A2
Potassium Nitrate	A
Potassium Permanganate	A1
Potassium Sulfate	A
Potassium Sulfide	A
Propane (liquefied)	A
Propylene Glycol	A2
Pyridine	A2
Pyrogallic Acid	A
Resorcinal	A2
Rosins	A2
Rum	A
Rust Inhibitors	A
Salad Dressings	A
Salicylic Acid	A1
Salt Brine (NaCl saturated)	A
Sea Water	A
Shellac (Bleached)	A
Shellac (Orange)	A
Silicone	A
Silver Nitrate	A1
Soap Solutions	A

1 = SATISFACTORY TO 72°F (22°C)

2 = SATISFACTORY TO 120°F (48°C)

CAUTION: Variations in chemical behavior during handling due to factors such as temperature, pressure, and concentrations can cause equipment to fail, even though it passed an initial test.

POLYPROPYLENE (CONTINUED)

A = EXCELLENT

B = GOOD, MINOR EFFECT, SLIGHT CORROSION OR DISCOLORATION

C = FAIR, MODERATE EFFECT, NOT RECOMMENDED FOR CONTINUOUS USE

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CHEMICAL	RATING
Soda Ash (see Sodium Carbonate)	A
Sodium Acetate	A
Sodium Benzoate	A_2
Sodium Bicarbonate	A
Sodium Bisulfate	A
Sodium Bisulfite	A
Sodium Borate (Borax)	A_2
Sodium Carbonate	A
Sodium Chlorate	A
Sodium Chloride	A
Sodium Cyanide	A
Sodium Ferrocyanide	A
Sodium Fluoride	A
Sodium Hydroxide (20%)	A
Sodium Hydroxide (50%)	A
Sodium Hydroxide (80%)	A
Sodium Hypochlorite (<20%)	A
Sodium Hypochlorite (100%)	B
Sodium Metaphosphate	A_1
Sodium Metasilicate	A
Sodium Nitrate	A
Sodium Perborate	A
Sodium Peroxide	B
Sodium Polyphosphate	A
Sodium Silicate	A
Sodium Sulfate	A
Sodium Sulfide	A
Sodium Sulfite	A_2
Sodium Thiosulfate (hypo)	A_2
Stannic Chloride	A
Stannous Chloride	A
Starch	A_2
Stearic Acid	A_2
Stoddard Solvent	C
Sugar (Liquids)	A
Sulfate (Liquors)	A
Sulfur Chloride	C_1
Sulfur Dioxide	A_1
Sulfur Dioxide (dry)	A_1
Sulfur Trioxide	C
Sulfur Trioxide (dry)	D
Sulfuric Acid (<10%)	A_2
Sulfuric Acid (10-75%)	A_1
Sulfuric Acid (75-100%)	C_1
Sulfuric Acid (cold concentrated)	A_2
Sulfuric Acid (hot concentrated)	D
Sulfurous Acid	A
Tallow	A_2
Tannic Acid	A
Tanning Liquors	A_1
Tartaric Acid	A
Tetrachloroethane	C
Tetrachloroethylene	D
Tetrahydrofuran	C_2
Tin Salts	A
Toluene (Toluol)	C_1
Tomato Juice	A
Trichloroacetic Acid	A
Trichloroethane	C
Trichloroethylene	C_1
Tricresylphosphate	A_1
Triethylamine	D
Trisodium Phosphate	A
Turpentine	D
Urea	A
Urine	A
Varnish	A
Vinegar	A
Vinyl Acetate	B_1
Water, Acid, Mine	A
Water, Deionized	A_2
Water, Distilled	A
Water, Fresh	A
Water, Salt	A
Whiskey & Wines	A
White Liquor (Pulp Mill)	A_1
White Water (Paper Mill)	A
Xylene	B
Zinc Chloride	A
Zinc Sulfate	A

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