



**Group 1: Inorganic Acids**

Chlorosulfonic acid  
Hydrochloric acid (aqueous)  
Hydrofluoric acid (aqueous)  
Hydrogen chloride (anhydrous)  
Hydrogen fluoride (anhydrous)  
Nitric acid  
Oleum Phosphoric acid  
Sulfuric acid

**Group 2: Organic Acids**

Acetic acid  
Butyric acid (n-)  
Formic acid  
Propionic acid  
Rosin Oil  
Tall oil

**Group 3: Caustics**

Caustic potash solution  
Caustic soda solution

**Group 4: Amines and Alkanolamines**

Aminoethylethanolamine  
Aniline  
Diethanolamine  
Diethylenetriamine  
Diisopropanolamine  
Dimethylamine  
Ethylenediamine  
Hexamethylenediamine  
2-Methyl-5-ethylpyridine  
Monoethanolamine  
Monoisopropanolamine  
Morpholine  
Pyridine  
Triethanolamine  
Triethylamine  
Triethylenetetramine  
Trimethylamine

**Group 5: Halogenated Compounds**

Allyl chloride  
Carbon tetrachloride  
Chlorobenzene  
Chloroform  
Chlorohydrines,  
crude Dichlorobenzene  
(o-) Dichlorobenzene  
(p-) Dichlorodifluoromethane  
Dichloroethyl ether

Dichloropropane  
Ethyl chloride  
Ethylene dibromide  
Ethylene dichloride  
Methyl bromide  
Methyl chloride  
Methylene chloride  
Monochlorodifluoromethane  
Perchloroethylene  
Propylene dichloride  
1,2,4-Trichlorobenzene  
1,1,1-Trichloroethane  
Trichloroethylene  
Trichlorofluoromethane

**Group 6: Alcohols, Glycols and Glycol Ethers**

Allyl alcohol  
Amyl alcohol  
1,4-Butanediol  
Butyl alcohol (iso, n, sec, tert)  
Butylene glycol  
Corn syrup  
Cyclohexyl alcohol  
Decyl alcohol (n, iso)  
Dextrose solution  
Diacetone alcohol  
Diethylene glycol  
Diethylene glycol dimethyl ether  
Diethylene glycol monobutyl ether  
Diethylene glycol monoethyl ether  
Diethylene glycol monomethyl ether  
Diisobutyl carbitol  
Dipropylene glycol  
Dodecanol  
Ethoxylated dodecanol  
Ethoxylated pentadecanol  
Ethoxylated tetradecanol  
Ethoxylated tridecanol  
Ethoxytriglycol  
Ethyl alcohol  
Ethyl butanol  
2-Ethylbutyl alcohol  
2-Ethylhexyl  
alcohol  
Ethylene glycol  
Ethylene glycol monobutyl ether  
Ethylene glycol monoethyl ether  
Ethylene glycol monomethyl ether  
Furfuryl alcohol  
Glycerine  
Heptanol  
Hexanol

**Group 6: Alcohols, Glycols and Glycol Ethers (cont.)**

Hexylene glycol  
Isoamyl alcohol  
Isooctyl alcohol  
Methoxytriglycol  
Methyl alcohol  
Methylamyl alcohol  
Molasses, all  
Nonanol  
Octanol  
Pentadecanol  
Polypropylene glycol methyl ether  
Propyl alcohols (n, iso)  
Propylene glycol  
Sorbitol  
Tetradecanol  
Tetraethylene glycol  
Tridecyl alcohol  
Triethylene glycol  
Undecanol

**Group 7: Aldehydes**

Acetaldehyde  
Acrolein (inhibited)  
Butyraldehyde (n, iso)  
Crotonaldehyde  
Decaldehyde (n, iso)  
2-Ethyl-3-propylacrolein  
Formaldehyde solutions  
Furfural  
Hexamethylenetetramine  
Isooctyl aldehyde  
Methyl butyraldehyde  
Methyl formal  
Paraformaldehyde  
Valeraldehyde

**Group 8: Ketones**

Acetone  
Acetophenone  
Camphor oil  
Cyclohexanone  
Diisobutyl ketone  
Isophorone  
Mesityl oxide  
Methyl ethyl ketone  
Methyl isobutyl ketone

**Group 9: Saturated Hydrocarbons**

Butane  
Cyclohexane  
Ethane  
Heptane  
Hexane

Isobutane  
Liquified natural gas  
Liquified petroleum gas  
Methane  
Nonane  
n-Paraffins  
Pentane  
Petrolatum  
Petroleum ethers  
Petroleum naphtha  
Polybutene  
Propane  
Propylene butylene polymer

**Group 10: Aromatic Hydrocarbons**

Benzene  
Cumene  
p-Cymene Coal  
tar oil  
Diethylbenzene  
Dodecyl benzene  
Dowtherm  
Ethylbenzene  
Naphtha, coal tar  
Naphthalene (includes molten)  
Tetrahydronaphthalene  
Toluene  
Triethyl benzene  
Xylene (m-, o-, p-)

**Group 11: Olefins**

Butylene  
1-Decene  
Dicyclopentadiene  
Diisobutylene  
Dipentene  
Dodecene  
1-Dodecene  
Ethylene  
Liquified petroleum gas  
1-Heptene  
1-Hexane  
Isobutylene  
Nonene  
1-Octene  
1-Pentene  
Polybutene  
Propylene  
Propylene butylene polymer

**Group 11: Olefins (cont.)**

Propylene tetramer (dodecene)  
1-Tetradecene  
1-Tridecene  
1-Turpentine  
1-Undecene

**Group 12: Petroleum Oils**

Asphalt  
Gasolines  
    Casinghead  
    Automotive  
    Aviation  
Jet Fuels  
JP-1 (kerosene) JP-3  
JP-4  
JP-5 (kerosene, heavy)  
Kerosene  
Mineral spirits  
Naphtha (non-aromatic)  
Naphtha  
    Solvent  
    Stoddard solvent  
    VM&P  
Oils  
    Absorption oil  
    Clarified oil  
    Crude oil  
    Diesel oil  
    Fuel oil  
        No. 1 (kerosene)  
        No. 1-D  
        No. 2  
        No. 2-D  
        No. 4  
        No. 5  
        No. 6  
    Lubricating oil  
    Mineral oil  
    Mineral seal oil  
    Motor oil  
    Penetration oil  
    Range oil  
    Road oil  
    Spindle oil  
    Spray oil  
    Transformer oil  
    Turbine oil

**Group 13: Esters**

Amyl acetate  
Amyl tallate  
Butyl acetates (n, iso, sec)  
Butyl benzyl phthalate  
Castor oil  
Croton oil  
Dibutyl phthalate  
Diethyl carbonate  
Dimethyl sulfate  
Dioctyl adipate  
Dioctyl phthalate  
Epoxidized vegetable oils

Ethyl acetate  
Ethyl diacetate  
Ethylene glycol monoethyl ether acetate  
Ethylhexyl tallate  
Fish oil  
Glycol diacetate  
Methyl acetate  
Methyl amyl acetate  
Neatsfoot oil  
Olive oil  
Peanut oil  
Propyl acetates (n, iso)  
Resin oil  
Soya bean oil  
Sperm oil  
Tallow  
Tanner's oil  
Vegetable oil  
Wax, carnauba

**Group 14: Monomers and Polymerizable esters**

Acrylic acid (inhibited)  
Acrylonitrile  
Butadiene (inhibited)  
Butyl acrylate (n, iso)  
Ethyl acrylate (inhibited)  
2-Ethylhexyl acrylate (inhibited)  
Isodecyl acrylate (inhibited)  
Isoprene (inhibited)  
Methyl acrylate (inhibited)  
Methyl methacrylate (inhibited)  
o-Propiolactone  
Styrene (inhibited)  
Vinyl acetate (inhibited)  
Vinyl chloride (inhibited)  
Vinylidene chloride (inhibited)  
Vinyl toluene

**Group 15: Phenols**

Carbolic oil  
Creosote, coal tar  
Cresols  
Nonylphenol  
Phenol

**Group 16:**

Alkylene Oxides  
Ethylene Oxide  
Propylene Oxide

**Group 17:**

Cyanohydrins  
Acetone cyanohydrin  
Ethylene cyanohydrin

**Group 18: Nitriles**

Acetonitrile

Adiponitrile

Diethyl ether (ethyl ether) 1, 4,

Dioxane

Isopropyl ether

Ethers (cont)

Tetrahydrofuran

**Group 19:**

Ammonia

Ammonium hydroxide

**Group 22:**

Phosphorus, elemental

**Group 20:**

Halogens

Bromine Chlorine

**Group 23:**

Sulfur, molten

**Group 21:**

Ethers

**Group 24:**

Acid Anhydride

Acetic anhydride

Propionic anhydride