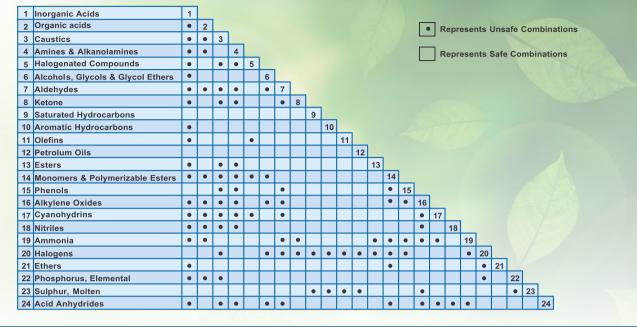
CHEMICAL COMPATIBILITY CHART



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

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

Group 3: Caustics Caustic potash solution Caustic soda solution

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

Group 5: Halogenated Compounds

Allyl chloride Carbon tetrachloride Chlorobenzene Chloroform Chlorohydrines, crude Dichlorobenzene (o-) Dichlorobenzene (p-) Dichlorodifluoromethane Dichloroethyl ether Dichloropropane Dichloropropene 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 Allyl alcohol Amyl alcohol 1.4-Butanediol Butyl alcohol (iso, n, sec, tert) Butylene alvcol 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 Ethyleneglycol monobutyl ether Ethylene glycol monoethyl ether Ethylene glycol monomethyl ether Furfuryl alcohol Glycerine Heptanol Hexanol Hexylene glycol Isoamyl alcohol Isooctyl alcohol Methyoxytriglycol Methyl alcohol Methylamyl alcohol Molasses, all Nonanol Octanol Pentadecanol Polypropylene glycol methyl ether Propyl alcohols (n, iso) Propylene glycol Sorbitol Tetradecanol Tetraethylene glycol Tridecyl alcoho Triethylene glycol Undecanol

Group 6: Alcohols, Glycols and Glycol Ethers 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 Iso-butane 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 Ethvlbenzene Naphtha, coal tar Naphthalene (includes molten) Tetrahdyronaphthalene Toluene Triethyl benzene Xylene (m-, o-, p-)

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

Asphalt Gasolines CasingeadAutomotive 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
- Propionic anhydride

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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 Sova bean oil Sperm oil Tallow Tanner's oil Vegetable oil Wax, carnauba

14: Monomers and Polymerizable

Acrylic acid (inhibited) Acrvlonitrile 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

Carbolic oil Creosote, coal tar Cresols Nonylphenol Phenol

Group 16: Alkylene Oxides

Ethylene Oxide Propylene Oxide

Acetone cyanohydrin Ethylene cyanohydrin

Group 18: Nitriles

Acetonitrile Adiponitrile

Group 19: Ammonia Ammonium hydroxide

Group 20: Halogens

Bromine Chlorine

Diethyl ether (ethyl ether) 1, 4-Dioxane Isopropyl ether Tetrahydrofuran

Group 23: Sulphur, molten

Acetic anhvdride