

Incompatible chemicals

Acetic acid	Chromic acid, nitric acid, peroxides, permanganates
Acetic anhydride	Hydroxyl group containing compounds, ethylene glycol, perchloric acid
Acetone	Concentrated nitric and sulfuric acid mixtures, hydrogen peroxide
Acetylene	Bromine, chlorine, copper, fluorine, mercury, silver
Ammonium nitrate	Acids, chlorates, flammable liquids, nitrates, powdered metals, sulfur, finely divided organic or combustible materials
Aniline	Hydrogen peroxide, nitric acid
Calcium oxide	Water
Carbon, activated	Calcium hypochlorite, other oxidants
Chlorates	Acids, ammonium salts, metal powders, sulfur, finely divided organic or combustible materials
Chromic acid	Acetic acid, camphor, glycerol, naphthalene, turpentine, other flammable liquids
Chlorine	Acetylene, ammonia, benzene, butadiene, butane and other petroleum gases, hydrogen, sodium carbide, turpentine, finely divided metals
Copper	Acetylene, hydrogen peroxide
Hydrazine	Hydrogen peroxide, nitric acid, other oxidants
Hydrocarbons	Bromine, chlorine, chromic acid, fluorine, peroxides
Hydrocyanic acid	Alkalis, nitric acid
Hydrofluoric acid, anhydrous	Ammonia (aqueous or anhydrous)
Hydrogen peroxide	Aniline, chromium, combustible materials, copper, Iron, most metals and their salts, nitromethane, any flammable liquid
Hydrogen sulfide	Fuming nitric acid, oxidizing gases
Iodine	Acetylene, ammonia (aqueous or anhydrous)
Mercury	Acetylene, ammonia, fulminic acid
Nitric acid, concentrated	Acetic acid, acetone, alcohol, aniline, chromic acid, flammable gases, flammable liquids, hydrocyanic acid, hydrogen sulfide, nitratable substances
Nitroparaffins	Amines, inorganic bases
Oxalic acid	Mercury, silver
Oxygen	Flammable liquids, solids, or gases, grease, hydrogen, oils
Perchloric acid	Acetic anhydride, alcohol, bismuth and its alloys, grease, oils, paper, wood
Peroxides, organic	Acids (organic or mineral)
Phosphorus (white)	Air, oxygen
Potassium chlorate	Acids (also refer to chlorates)
Potassium perchlorate	Acids (also refer to perchloric acid)
Potassium permanganate	Benzaldehyde, ethylene glycol, glycerol, sulfuric acid
Silver	Acetylene, ammonium compounds, fulminic acid, oxalic acid, tartaric acid
Sodium	Carbon dioxide, carbon tetrachloride and other chlorinated compounds, water
Sodium nitrite	Ammonium nitrate and other ammonium salts
Sodium peroxide	Any oxidizable substances (e.g., acetic anhydride, benzaldehyde, carbon disulfide, ethanol, ethyl acetate, ethylene glycol, furfural, glacial acetic acid, methanol, methyl acetate)
Sulfuric acid	Chlorates, perchlorates, permanganates