



## LIST OF CHEMICALS THAT SHOULD NOT BE MIXED

Chemicals	Do not mix with
Activated Carbon	Calcium Hypochlorite, oxidizing agents
Alkali Metals	Water, carbon tetrachloride, halogenoalkanes, carbon dioxide, halogens
Ammonia	Mercury, chlorine, iodine, bromine, calcium hypochlorite, hydrofluoric acid
Ammonium nitrate	Metals in powder form, flammable liquids, sulfur, chlorates, all acids, nitrates, fine grained organic or flammable substances
Aniline	Hydrogen peroxide, nitric acid
Acetic acid	Chromic acid, nitric acid, hydroxyl compounds, ethylene glycol, perchloric acid, peroxides, permanganates
Acetylene	Fluorine, chlorine, bromine, copper, mercury, silver
Acetone	Concentrated nitric acid, concentrated sulfuric acid
Azide	Acids
Copper	Acetylene, hydrogen peroxide
Bromine	Ammonia, acetylene, butane and other petroleum gases, turpentine, benzene
Mercury	Acetylene, ammonia, fulminic acid
Fluorine	All substances
Phosphor (white)	Air, oxygen, reducing agents, alkalis
Silver	Acetylene, oxalic acid, tartaric acid, ammonium compounds, fulminic acid
Hydrofluoric Acid	Ammonia
Hydrogen peroxide	Copper, chromium, iron, metal and metal salts, flammable liquids, aniline, nitromethane, alcohols, acetone, organic compounds
Hydrogen sulfide	Nitric acid, oxidizing agents
Hydrocarbons	Fluorine, chlorine, bromine, chromic acid, sodium peroxide
Hydrocyanic Acid	Nitric acid, alkalis
Iodine	Acetylene, ammonia, hydrogen
Calcium Oxide	Water
Chlorine	Ammonia, acetylene, butane and other petroleum gases, turpentine
Chlorates	Ammonium salts, acids, metal powders, sulfur, fine grained organic or flammable substances
Chromic Acid and Chromium	Acetic acid, naphthalene, camphor, glycerin/glycerol, alcohols, flammable liquids, petroleum benzene
Hydrogen Sulfide	Nitric acid, oxidant gases
Nitrates	Sulfuric acid
Nitric Acid	Acetic acid, aniline, chromic acid, hydrocyanic acid, hydrogen sulfide, flammable liquids and gases, copper, heavy metals
Oxygen	Oils, grease, hydrogen, flammable liquids, flammable solids and gases
Oxalic Acid	Silver, mercury

Perchloric Acid	Acetic anhydrite, bismuth and bismuth components, alcohols, paper, wood, oil
Peroxides	Acids
Potassium	Carbon tetrachloride, carbon dioxide, water
Potassium Permanganate	Glycerin, ethylene glycol, benzaldehyde, sulfuric acid
Selenides	Reducing agents
Sodium Peroxide	Ethyl and methyl alcohol, glacial acetic acid, acetic anhydride, benzaldehyde, carbon disulfide, glycerin, ethylene glycol, ethylene acetate, methyl acetate, furfural
Sodium Nitrate	Ammonium nitrate, other ammonium salts
Sulfuric Acid	Chlorates, perchlorates, permanganates
Flammable liquids	Ammonium nitrate, chromic acid, hydrogen peroxide, nitric acid, halogens, sodium peroxide, other oxidizing agents