

## Chemical Compatibility Table

Chemical Class & Examples:	Incompatible Classes of Chemicals and Examples:
<b>Acids (inorganic):</b> Nitric acid, sulfuric acid, hydrochloric acid, hydrofluoric acid, perchloric acid	<b>Bases:</b> sodium hydroxide <b>Other:</b> potassium cyanide
<b>Acids (organic):</b> Acetic acid, ethanoic acid, phenol	<b>Bases:</b> potassium hydroxide, sodium hydroxide <b>Other:</b> potassium cyanide <b>Oxidizing agents:</b> hydrogen peroxide, nitric acid, perchloric acid, potassium hypochlorite, potassium perchlorate
<b>Alkali Metals:</b> Sodium, lithium, potassium	<b>Chlorinated hydrocarbons:</b> Chloroform <b>Halogens:</b> iodine <b>Other:</b> carbon dioxide, water
<b>Bases (caustic):</b> Potassium hydroxide, sodium hydroxide	<b>Acids (organic):</b> acetic acid, ethanoic acid, phenol <b>Acids (inorganic):</b> nitric acid, sulfuric acid, hydrochloric acid, hydrofluoric acid, perchloric acid <b>Flammable solvents (hydrocarbons):</b> acetone, acetonitrile (ACN), benzene, ethanol, diethyl ether, isopropanol, methanol, methyl ethyl ketone, tetrahydrofuran (THF)
<b>Chlorinated hydrocarbons:</b> Carbon tetrachloride, methylene chloride, chloroform	<b>Alkali Metals:</b> sodium, lithium, potassium <b>Bases:</b> sodium hydroxide <b>Other:</b> mixture of acetone and base
<b>Combustibles liquids and solids:</b> Diesel, vacuum oil, grease	<b>Oxidizing agents:</b> hydrogen peroxide, nitric acid, perchloric acid, potassium hypochlorite, potassium perchlorate
<b>Hydrocarbons (flammable solvents):</b> Acetone, acetonitrile (ACN), alcohols, benzene, diethyl ether, methanol, methyl ethyl ketone, tetrahydrofuran (THF)	<b>Bases (caustic):</b> potassium hydroxide, sodium hydroxide <b>Oxidizing agents:</b> hydrogen peroxide, nitric acid, perchloric acid, potassium hypochlorite, potassium perchlorate
<b>Halogenated hydrocarbons:</b> Carbon tetrachloride, chloroform, methylene chloride	<b>Alkali Metals:</b> sodium, lithium, potassium <b>Bases:</b> sodium hydroxide, potassium hydroxide <b>Metal:</b> aluminum, manganese <b>Oxidizing agents:</b> nitric acid <b>Other:</b> plastics, rubber
<b>Halogens:</b> Fluorine, chlorine, bromine, iodine	<b>Flammable solvents:</b> acetone, acetonitrile (ACN), benzene, ethanol, diethyl ether, isopropanol, methanol, methyl ethyl ketone, tetrahydrofuran (THF)
<b>Metals:</b> aluminum, copper, gold, iron, mercury, silver, zinc	<b>Acids (organic):</b> acetic acid <b>Bases (caustic):</b> potassium hydroxide, sodium hydroxide <b>Oxidizing agents:</b> nitric acid <b>Other:</b> sodium azide
<b>Oxidizing agents:</b> Oxygen, chlorine, hydrogen peroxide, nitric acid, perchloric acid, potassium hypochlorite, potassium perchlorate	<b>Acids (organic):</b> acetic acid <b>Combustible liquids and solids:</b> oils and grease <b>Flammable solvents:</b> Acetone, alcohols