

RCRA's Chemical Waste Compatibility List

The mixing of Group A materials with Group B materials may have the potential consequences noted.

<u>Group 1-A</u>	<u>Group 1-B</u>
Acetylene sludge	Acid sludge
Alkaline caustic liquids	Acid and water
Alkaline cleaner	Battery acid
Alkaline corrosive liquids	Chemical cleaners
Alkaline corrosive battery fluid	Electrolyte, acid
Caustic wastewater	Etching acid liquid or solvent
Lime sludge and other corrosive alkalies	Pickling liquor & other corrosive acids
Lime wastewater	Spent acid
Lime and water	Spent mixed acid
Spent caustic	Spent sulfuric acid

Potential consequences: Heat generation; violent reaction

<u>Group 2-A</u>	<u>Group 2-B</u>
Aluminum	Any waste in Group 1-A or 1-B
Beryllium	
Calcium	
Lithium	
Magnesium	
Potassium	
sodium	
Zinc powder	
Other reactive metals and metal hydroxides	

Potential consequences: Fire or explosion; generation of flammable hydrogen gas

<u>Group 3-A</u>	<u>Group 3-B</u>
Alcohols	Any concentrated waste in Groups 1A or 1B
Water	Calcium
	Lithium
	Metal hydrides
	Potassium
	SO ₂ Cl ₂ , SOCl ₂ , PCl ₃ , CH ₃ SiCl ₃
	Other water-reactive waste

Potential consequences: Fire, explosion, or heat generation; generation of flammable or toxic gases

Group 4-A

Alcohols
Aldehydes
Halogenated hydrocarbons
Nitrated hydrocarbons
Unsaturated hydrocarbons
Other reactive organic compounds & solvents

Group 4-B

Concentrated Group 1-A or 1-B wastes
Group 2-A wastes

Potential consequences: Fire, explosion, or violent reaction

Group 5-A

Spent cyanide and sulfide solutions

Group 5-B

Group 1-B wastes

Potential consequences: Generation of toxic hydrogen cyanide or hydrogen sulfide gas

Group 6-A

Chlorates
Chlorine
Chlorites
Chromic acid
Hypochlorites
Nitrates
Nitric acid, fuming
Perchlorates
Permanganates
Peroxides
Other strong oxidizers

Group 6-B

Acetic acid and other organic acids
Concentrated mineral acids
Group 2-A wastes
Group 5-A wastes
Other flammable and combustible wastes

Potential consequences: Fire, explosion, or violent reaction
