

Proper Storage of Chemicals

A mixture of any of the compounds in Group A with those in Group B could have disastrous effects. For this reason these groups should be separated in storage areas. Always store chemicals by compatibility, never by alphabetical order.

A-1 (Oxidizers)

- Nitric acid
- nitrates
- Chlorine
- fluorine
- peroxide
- chlorates
- perchloric acid
- chlorites
- hypochlorites
- chromic acid
- permanganates
- persulfates, (per- prefix)

B-1 (Flammables, Acids)

- Acetic acid
- Sulfuric acid
- Hydrochloric acid
- oils
- flammable solvents
- greases
- petroleum products
- sodium
- potassium
- lithium
- aluminum
- calcium
- aldehydes
- ketones
- wood
- paper, cloth, anything flammable

Potential consequences: Fire, explosion, or violent reaction

A-2

- Cyanides
- Cyanates
- Sulfides
- Sulfates

B-2

- Acids

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

A-3

- Air
- Oxygen
- Oxidizers

B-3

- Lithium hydride
- sodium
- sodium hydride
- aluminum
- aluminum chlorate
- zinc
- titanium
- diethyl zinc
- white phosphorus
- dust and powders of magnesium

Potential consequences: Fire, violent reaction

