

DOCUMENT HANDLING OF LABORATORY CHEMICALS

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Grouping of chemicals

- Its toxic properties
- Corrosion properties
- Solid, liquid, or gas
- Easy or not evaporate
- Decomposes by direct light
- The number of available

Chemicals that are toxic loud

- Sublimat
 - Cyanide
 - Arsenic and its compounds
 - Bromine
- White phosphorus
 - Radioactive substances
 - Hydrogen fluoride
 - Mercury
 - etc.

Strong acid and volatile base solution

- Concentrated sulfuric acid
- Concentrated nitric acid
- Concentrated hydrochloric acid
- Concentrated ammonia
- Orthophosphoric acid
- Perchloric acid

Liquid organic compounds

Ether

Toluene

Chloroform

Ethyl alcohol

Phenol, etc.

Gaseous substances

Chlorine gas

Oxygen

Acetylene

etc.

Solid

Oxalic acid

Stearic acid

NaOH

KOH

CaO

NaCl

Iron powder

Sn

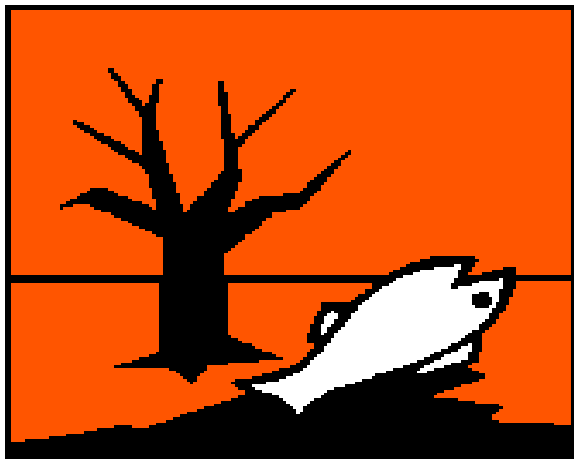
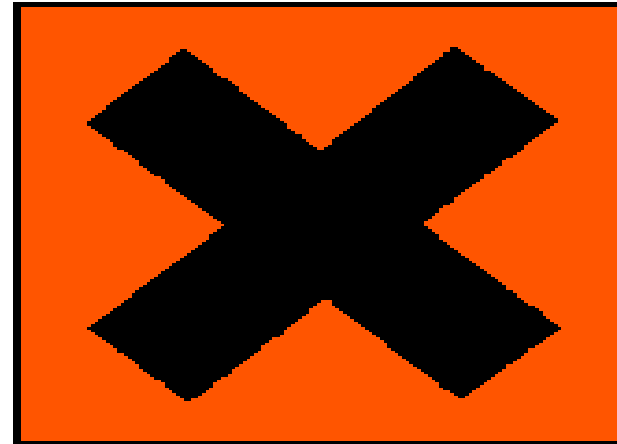
Cu

Mg

HAZARD SYMBOLS



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The combination of chemicals that often explode

- Sodium or potassium in water
- Ammonium nitrate, zinc powder with water
- Potassium nitrate with sodium acetate
- Nitrate with esters
- Peroxide with magnesium, zinc or aluminium