



CHEMICAL WASTE STORAGE COMPATABILITY GUIDE

Keep the following rules in mind when storing and using chemicals.

In general:

- Segregate REACTIVES from IGNITABLES
- Segregate ACIDS from CAUSTICS
- Segregate CORROSIVES from FLAMMABLES
- Segregate strong OXIDIZERS from EVERYTHING
- Most ORGANIC REACTIVES must be segregated from INORGANIC REACTIVES (metals)

Some hazardous combinations:

- Acid + Oil or Grease = Fire
- Flammable Liquid + Hydrogen Peroxide = Fire/Explosion
- Acid + Caustic = Heat/Spattering
- Aluminum Powder + Ammonium Nitrate = Explosion
- Caustics + Epoxies = Extreme Heat
- Sodium Cyanide + Sulfuric Acid = Lethal Hydrogen Cyanide
- Chlorine Gas + Acetylene = Explosion
- Ammonia + Bleach (or other Chlorine source) = Toxic Chloramine (i.e., Mustard Gas)

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