



ECKERD COLLEGE

Safe Operating Procedure

(12/03)

HAZARDOUS WASTE COMPATIBILITY

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.