Hazards:
- Water reactive
- Flammable
  - Ignoites when exposed to air and or water.
- Toxic
  - Can damage the liver, kidneys, and central nervous system.
- Peroxide forming
- Corrosive
- Teratogenicity
  - Can cause birth defects

Handling Precautions:
- Keep water away from the reagents
- Never work alone or during off hours
- Consult the MSDS before working with the reagents.
- Remove nonessential chemicals and equipment from the fume hood.
- Store combustible materials away from the reagents.
- Use and handle the smallest quantity as possible

Storage
- Store away from flammables.
- Label the containers containing the reagents.
- Reagents must be stored in a protective solvent such as:
  - Oil
  - Kerosene
  - Inert gas
- Never return unused chemicals, the impurities may cause fire or explosion.
- Never expose the reagents to the atmosphere.

Disposal
- Pyrophoric reagents are labeled and disposed of as hazardous waste.
- The residue is stored in the appropriate solvent.

Safety Equipment:
- Soda Ash (lime) or Sand to put out fires
  - A class D fire extinguisher
  - NEVER use water!
- Eyewash/ Safety Shower
- Fume Hood
- Glove Box

Personal Protective Equipment (PPE):
Eye Protection:
- chemical splash goggles
- safety glasses
- face shield
Do not wear:
- Prescription eye glasses
- Safety glasses
- Splash goggles

Skin Protection
- Nitrile gloves
  - Nitrile gloves are to be worn underneath neoprene gloves.
- A lab coat or apron (made out of nonflammable material) must be worn!
Do not wear:
- Synthetic clothing
  - Polyester
  - Nylon
  - Latex
- Open toed shoes