



## What is Hazardous Material?

A hazardous material is any biological, chemical, or physical material with properties that make it dangerous or potentially harmful to human health or the environment.



**Always use required PPE when handling hazardous materials. Refer to Safety Data Sheets & Chemical SOPs/SASPs for PPE information**

## Friendly Reminders

- ☀ Lab staff should ensure that stock chemicals and other hazardous materials are stored properly in order to prevent spills, uncontrolled reactions and minimize worker exposures.
- ☀ A chemical inventory consisting of names, storage locations, quantities and hazards should be prepared and maintained in each lab and storage area.

## Storage Guidelines

**Hazardous Materials storage inside labs should be limited to those chemicals and quantities necessary to complete task requirements.**

## Storage Dos:

- ☀ Segregate according to hazard class & compatibility (i.e. acids from bases; oxidizers from organics/flammables; cyanides from acids)
- ☀ Must be labeled in accordance with the OSHA Laboratory Standard.
- ☀ Toxic chemicals must be stored separately from all other chemicals & in closed cabinets. Cabinets must be labeled "Toxic Chemicals" or with similar warnings.
- ☀ Use secondary containment, such as acid carriers, when transporting liquid chemicals more than a very short distance.
- ☀ Flammable & combustible materials must be stored in accordance with NFPA 45 & NFPA 30
- ☀ Must be closed when not in use.
- ☀ Must be maintained per manufacturer requirements.



## Storage Don'ts:

- ☀ Hazardous Materials must not be stored:
  - ☀ On Floors
  - ☀ Under Sinks
  - ☀ In Chemical Fume Hoods
  - ☀ On Benches without lips or restraining device
  - ☀ Above Eye Level



## Other Resources

Please visit the **Lab Safety** section of the website for more information.