



# Laboratory Entry & Maintenance Guidance



## General Working Precautions

- Do not touch or move chemicals, equipment, or work surfaces without first consulting laboratory personnel.
- In situations where an area or equipment is marked as “biohazard,” (right image) confirm that laboratory personnel have decontaminated the surfaces before working.
- In areas or equipment marked with a radiation placard (right image), EHS Radiation Safety is required to survey the area before you can start your work. If you are unsure if a survey has been performed, ask laboratory personnel, or contact EHS Radiation Safety.










## Personal Protective Equipment (PPE)

- At minimum, eye and hand protection should be worn.
- Additional PPE may be required if requested by the laboratory personnel.
- Disposable PPE, such as aprons or gloves, should always be removed before leaving the laboratory.



### GHS HAZARD PICTOGRAMS

 <p><b>Flame</b></p> <ul style="list-style-type: none"> <li>• Flammables</li> <li>• Emits Flammable Gas</li> <li>• Self Reactives</li> <li>• Pyrophorics</li> <li>• Organic Peroxides</li> <li>• Self-Heating</li> </ul>	 <p><b>Corrosion</b></p> <ul style="list-style-type: none"> <li>• Corrosive to Metals</li> <li>• Skin Corrosion</li> <li>• Serious Eye Damage</li> </ul>
 <p><b>Exploding Bomb</b></p> <ul style="list-style-type: none"> <li>• Explosives</li> <li>• Self Reactives</li> <li>• Organic Peroxides</li> </ul>	 <p><b>Skull &amp; Crossbones</b></p> <ul style="list-style-type: none"> <li>• Acute Toxicity (Severe)</li> </ul>
 <p><b>Flame Over Circle</b></p> <ul style="list-style-type: none"> <li>• Oxidizers</li> </ul>	 <p><b>Health Hazard</b></p> <ul style="list-style-type: none"> <li>• Carcinogen</li> <li>• Respiratory Sensitizer</li> <li>• Reproductive Toxicity</li> <li>• Mutagenicity</li> <li>• Target Organ Toxicity</li> <li>• Aspiration Toxicity</li> </ul>
 <p><b>Gas Cylinder</b></p> <ul style="list-style-type: none"> <li>• Gases Under Pressure</li> </ul>	 <p><b>Exclamation Mark</b></p> <ul style="list-style-type: none"> <li>• Acute Toxicity (Harmful)</li> <li>• Dermal Sensitizer</li> <li>• Skin &amp; Eye Irritation</li> <li>• Narcotic Effects</li> <li>• Respiratory Tract Irritation</li> </ul>
 <p><b>Environment</b></p> <ul style="list-style-type: none"> <li>• Environmental Toxicity</li> </ul>	<p> <input type="checkbox"/> Physical Hazards  <input type="checkbox"/> Physical &amp; Health Hazards  <input type="checkbox"/> Health Hazards  <input type="checkbox"/> Environmental Hazards         </p>

## Hazard Identification

- Identify hazards before working in a lab.
- Standardized room signs, located at the entrance of each laboratory, help notify visitors of potential laboratory hazards and emergency contact information.
- Common hazard pictograms can be referred to in the image on the left.

## Spills or Accidents

- Unknown chemical spills should only be cleaned by trained laboratory personnel. If you encounter an unknown spill, notify laboratory personnel immediately to have the spill cleaned or decontaminated. In the event of an accident, leave the laboratory and immediately notify laboratory personnel.