

# Emergency Response Plan

## Life Threatening Emergency – call 911 or UPD at 510-885-3791

### 1. Injury or illness (non-life threatening)

Students: Students can and should be seen by the Student Health Center for minor injuries.

Employees: Contact the Worker's Compensation Coordinator (WCC) for injury follow-up.  
Contact EHS as soon as possible if a hazard still exists.

If it is a chemical exposure, provide the SHCS or the WCC with the chemical MSDS and contact EHS.

### 2. Serious Hazardous Materials Splashes (corrosive, toxic, radiologic, or biologic substances and/or large skin areas)

For chemical splashes to the eye

- FLOOD THE EYES WITH WATER FROM THE EMERGENCY EYE WASH
- Continue with running water for 15-20 minutes then seek medical attention from the SHCS or emergency services

For chemical splashes to the skin –

- FLOOD THE SKIN WITH WATER FROM THE EMERGENCY SHOWER
- Continue with running water for 15-20 minutes then seek medical attention from the SHCS or emergency services

### 3. Fire

Only if the fire is small and you have been trained, should you put out a fire. A small contained fire would be one in waste basket. Otherwise:

- Evacuate, closing the lab door as you leave
- Pull the fire alarm
- Evacuate to the nearest Assembly Location
- Report to the Volunteer Team Leader (VTL) if you have information about the fire
- Wait for additional instruction from the VTL

### 4. Power Outage in a laboratory

- Close chemical containers if safe to do so, especially flammable solvent
- Evacuate the area and contact the Dean's Office or Facilities

## 5. Earthquake

The best thing you can do is prepare your lab for the next earthquake.

- Place heavy items on lower shelves
- Use seismic protection for hazardous materials storage and heavy and expensive equipment
- Store hazardous materials in secondary containment and below eye level

## 6. Hazardous Materials Spill

Many spills are small and incidental to daily lab activities. Prepare for these spills by having enough compatible spill supplies in your work area. **If you do not feel comfortable cleaning up a spill, even if it's very minor, contact EHS for assistance.** Below is a guide for how to evaluate a chemical spill and who should clean the spill.

	<b>Level 1</b> Minor Spill: can be cleaned up without the help of EHS	<b>Level 2</b> Major Spill: EHS assistance is required for clean-up	<b>Level 3</b> Major Spill: 911 assistance is required
Hazard	Known hazard in <u>small</u> quantities: <ul style="list-style-type: none"> <li>• Low toxicity</li> <li>• Low volatility</li> <li>• High toxicity (contained)</li> <li>• Flammable liquids (&lt;1 liter)</li> <li>• Acids or bases</li> <li>• Biosafety Level 1 or 2</li> <li>• Broken mercury thermometer</li> <li>• Radioactive materials</li> </ul>	Known hazards: <ul style="list-style-type: none"> <li>• Highly toxic chemical</li> <li>• Flammables liquid (&gt;1 liter)</li> <li>• Toxic powders</li> <li>• Inhalation hazard</li> <li>• Radioactive materials contamination to more than one area or to a person</li> </ul>	<ul style="list-style-type: none"> <li>• Fire potential</li> <li>• Flammable liquids</li> <li>• Unknown hazard</li> </ul>
Spill Location	<ul style="list-style-type: none"> <li>• Benchtop or fume hood</li> <li>• Contained in one lab or room</li> <li>• No human, facility, or environmental contamination</li> <li>• Easily contained and cleaned</li> </ul>	<ul style="list-style-type: none"> <li>• Environment release – air, soil, sewer, storm water drain</li> <li>• Building with recirculating air</li> <li>• Area has ignition sources (flammables)</li> <li>• Can be contained</li> </ul>	<ul style="list-style-type: none"> <li>• Flammables in storm water or sanitary sewer drain</li> <li>• One or more buildings affected</li> <li>• Area has ignition sources (flammables)</li> <li>• Difficult to contain</li> </ul>
Exposure	<ul style="list-style-type: none"> <li>• No exposure or contamination</li> </ul>	<ul style="list-style-type: none"> <li>• Contamination can be safely and easily removed from skin, eye, and clothing</li> <li>• There is no immediate emergency from the exposure</li> </ul>	<ul style="list-style-type: none"> <li>• Immediate and serious health effects possible: Ex. Phenol on skin, concentrated acid/base in eye</li> </ul>
Spill Supplies and training	<ul style="list-style-type: none"> <li>• Staff has sufficient spill supplies and training to clean-up spill.</li> </ul>	<ul style="list-style-type: none"> <li>• Not enough supplies</li> <li>• Staff not sufficiently trained to clean up</li> <li>• Need additional PPE Ex. Respirator, special gloves etc.</li> </ul>	<ul style="list-style-type: none"> <li>• Staff not trained to clean up</li> </ul>

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Action	<ul style="list-style-type: none"> <li>• Notify others in the lab and adjacent areas</li> <li>• Isolate the area</li> <li>• Evacuate the immediate area</li> <li>• Clean-up with appropriate PPE</li> <li>• Bag and label hazardous waste</li> </ul>	<ul style="list-style-type: none"> <li>• Call for EHS or call UPD to contact EHS</li> <li>• Area evacuation is required</li> <li>• Limit access</li> <li>• Isolate and decontaminate contaminated individuals if safe</li> <li>• Obtain MSDS</li> <li>• EHS will contact external contractors for assistance</li> </ul>	<ul style="list-style-type: none"> <li>• Contact UPD to contact EHS</li> <li>• EHS or UPD evaluate situation take appropriate action</li> <li>• This includes calling 911 and evacuating building(s)</li> </ul>
Examples	<ul style="list-style-type: none"> <li>• Spills in a lab hood</li> <li>• Spill from a car accident (brake, hydraulic fluids)</li> <li>• Spill that can be cleaned up with a 5 gallon spill kit</li> </ul>	<ul style="list-style-type: none"> <li>• Larger quantities of spilled chemicals</li> <li>• Isolation of rooms or areas required</li> <li>• Air monitoring required after a spill before re-entry is allowed</li> <li>• Chemicals spilled on the ground – gasoline, oil</li> <li>• Non-flammable or combustible chemicals in storm drain</li> </ul>	<ul style="list-style-type: none"> <li>• Flammable or combustible chemicals in storm drain</li> <li>• Corrosive spill with one or more injuries</li> <li>• Unknown chemical with one or more complaints</li> </ul>