A chemical spill kit is essential to clean up minor spills and is required for all research labs at USC that use or store hazardous materials. Spill clean-up equipment, universal and chemical-specific absorbent material, and personal protective equipment (PPE) for the kit are illustrated below; ready-made kits are sold commercially through USC-approved vendors.

**ABSORBENTS - UNIVERSAL & CHEMICAL-SPECIFIC**

<table>
<thead>
<tr>
<th>Chemical absorbent pillows and socks</th>
<th>Universal chemical absorbent pads</th>
<th>Universal absorbent - vermiculite</th>
<th>Universal absorbent - sand or clay</th>
<th>Solvent absorbents (Floor-Dry™, Oil-Dri)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alkali neutralizer (sodium bisulfate)</td>
<td>Acid neutralizer (e.g., sodium bicarbonate)</td>
<td>Acid absorbents (e.g., Oil Dri, Zorb-All)</td>
<td>Bromine absorbent (sodium thiosulfate)</td>
<td>Red-Z biohazard spill absorbent</td>
</tr>
</tbody>
</table>

**CLEAN-UP MATERIAL/ITEMS**

<table>
<thead>
<tr>
<th>Mercury cleanup kit</th>
<th>HDPE 5-gallon bucket with lid</th>
<th>Chemical-resistant brush/dust pan/scoop</th>
<th>Polyethylene Disposal Bags ≥ 4 mm thick</th>
<th>Hazmat Bags (labeled as bio, chem, or rad)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Haz waste labels (request via EHSA)</td>
<td>Roll of duct tape, 1.5&quot; wide (suggested)</td>
<td>pH paper roll or strips - acidity/alkaline</td>
<td>HF spill kit - required for labs that use or store HF</td>
<td>Caution tape</td>
</tr>
</tbody>
</table>

*Include chemical-specific SOPs along with materials described above in the chemical spill kit. Refer to the Chemical Spill Response Guide Sheet and Hazardous Material Spill Clean-Up Guide Sheet for general cleanup guidelines and the Hazardous Waste Disposal Fact Sheet for disposal guidelines. Ensure that the spill kit is well-stocked and conspicuously located. Replace clean-up materials and items as they become depleted.
### Personal Protective Equipment

#### Face Protection
Inspect eyewear frequently. DO NOT use eyewear that is damaged; replace as needed.

- Splash goggles - splash hazards
- Safety glasses - general use
- Face shield*

#### Hand Protection
DO NOT reuse single-use gloves. Inspect reusable gloves frequently. DO NOT use thick gloves that are damaged; replace as needed.

- Nitrile gloves - disposable
- Chemical-compatible gloves* - disposable
- Thick, reusable nitrile gloves
- Thick, reusable neoprene gloves
- Thick, reusable butyl gloves

#### Body Protection
Inspect lab coats regularly. Replace damaged or heavily soiled lab coats and/or footwear.

- Flame resistant - Nomex lab coat
- Flame resistant lab coat*
- Standard cotton lab coat
- Tyvek booties - disposable
- Closed-toe, closed-heel non-permeable footwear

### Other Items

| Hydrofluoric Acid - calcium gluconate gel | Indelible ink markers/pens |

### Additional Information
- Absorbent, Clean-Up, and PPE items are available through USC-approved vendors: [VWR](http://www.vwr.com) and [Grainger](http://www.grainger.com).
- Lab coats are available for purchase through: Medico and [VWR](http://www.vwr.com). Review [New Lab Coat Purchase Fact Sheet](http://www.vwr.com) for more information.
- Contact [labsafety@usc.edu](mailto:labsafety@usc.edu) if there are questions or concerns.

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1. Other acid neutralizers: sodium carbonate and calcium carbonate. 2. Hg absorbent sponges, Hg decontaminating powder, and aspirator bulb. 3. High Density Polyethylene (HDPE). 4. Must wear splash goggles or safety glasses with face shield. 5. Silver Shield disposable gloves. 6. Flame-resistant treated cotton.