

How to Handle Chemical Spills in Controlled Settings

What to do	How to do it
<p>1 Plan and prepare for spill response.</p>	<ul style="list-style-type: none"> a. Identify chemicals of concern and post an Emergency Guide near facility phones. Make sure company personnel read and understand the chemical spill response procedures during safety meetings. b. Assemble a spill kit, tailored to clean up small spills of chemicals commonly used in your facility. <ul style="list-style-type: none"> o Keep it fully stocked and easily accessible. o Train personnel how to use its contents and when it is safe to clean up a spill. c. Make sure everyone working in the facility knows: <ul style="list-style-type: none"> o Locations of fire extinguishers, spill kits, and telephones o How to operate the fire extinguisher and when it's safe to do so o How to use any decon available (ie: eye wash and emergency shower).
<p>2 If a spill occurs, evaluate the spill and decide if it can be handled by company personnel.</p>	<ul style="list-style-type: none"> a. Isolate and deny entry until you can safely evaluate the chemicals involved and extent of the spill. b. Large or extremely dangerous spills include: <ul style="list-style-type: none"> o Spills that present an immediate hazard (fire, explosion, chemical exposure, etc.) o Any spill of highly dangerous chemicals o Moderate or large-scale chemical spills o If the spill is large or if you're unsure how to classify it, go to Step 3. c. Small, incidental spills include: <ul style="list-style-type: none"> o Spills that can be cleaned up by facility personnel without putting themselves or others in danger. o If you're confident you can handle the spill yourself, go to Step 4.
<p>3 For large or dangerous spills, contact specially trained personnel and follow chemical spill procedures.</p>	<ul style="list-style-type: none"> a. Call 911: <ul style="list-style-type: none"> o Request the Fire Department and identify hazards involved. b. Follow your Emergency Guide's instructions for major chemical spills: <ul style="list-style-type: none"> o Avoid breathing vapors. o Quickly identify the spilled material if you can do so safely. o If the spill involves a flammable liquid, turn off all ignition sources if you can do so safely. o Alert people in the area and evacuate. o If someone has been splashed with chemicals, flush the affected area with water for at least 15 minutes. Call UCSD Poison Control, (800) 876-4766, for advice and seek medical attention as recommended. o Keep people away from the spill area until

- responders arrive.
- o Have someone available who is knowledgeable about the spilled material to provide information to incoming responders.

4 Clean up small spills according to these guidelines.

- a. **Alert people** in the area. Avoid breathing vapors and try to determine what spilled.
- b. **If someone has been splashed** with chemicals, immediately flush the affected area with water for at least 15 minutes. Call UCSD Poison Control, (800) 876-4766, and seek medical attention as recommended.
- c. **Wear personal protective equipment** including safety goggles, gloves and appropriate clothing during cleanup.
- d. **Confine the spill** to a small area. Use appropriate absorbent material from your spill kit to absorb spilled materials.
 - o Place any contaminated absorbent in container.
 - o Label the container with a chemical waste label and include it in the next hazardous waste collection.
- e. **Clean** the spill area.
- f. **Replenish your spill kit supplies**, so the kit is ready when you need it.