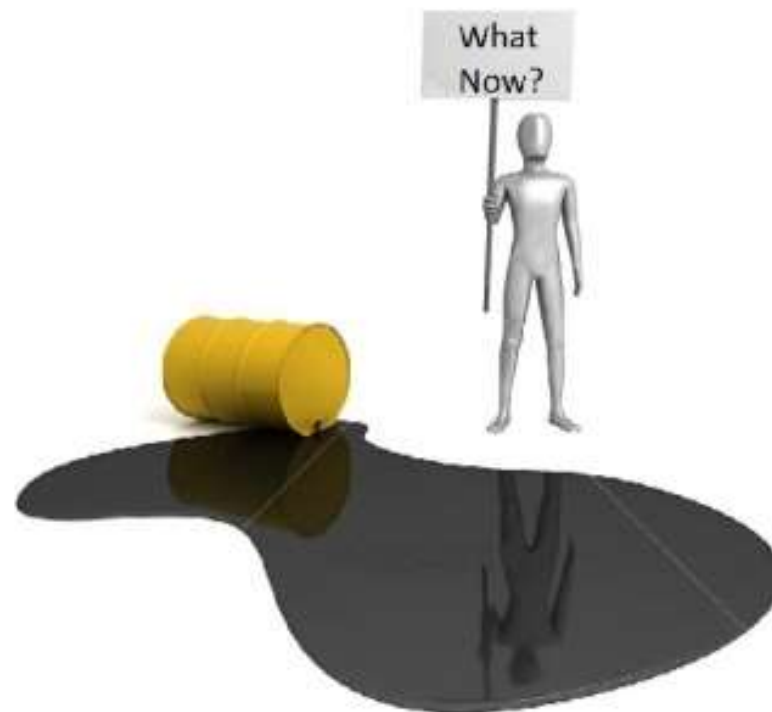


Spill Kits

How to ensure you are prepared to safely and efficiently respond to a spill in the laboratory







A hazard assessment should be completed prior to each experiment

1. **Chemical Hazards** - List all chemicals used in experiment and possible hazards associated with them.
2. **Procedural Hazards** - List all necessary hazards related to an experimental procedure and describe how to minimize risk.
3. **Personal Protective Equipment (PPE)** – List all the necessary protection for safe experiment.
4. **Waste Disposal** – Explain what to do with the waste generated.
5. **Hazard Response** – Think of how you will respond in the event of emergency (e.g. spill of hazardous materials)

Ensure you have the necessary supplies to *safely* respond to a spill

Basic spill kit supplies

Container	For used materials	<ul style="list-style-type: none">• Ziplock bags• Plastic containers, jar, or bucket (5-gallon)	
PPE	General requirements	<ul style="list-style-type: none">• <u>2</u> pairs chemical splash goggles• <u>2</u> pairs chemical-resistant gloves• <u>2</u> pairs plastic, vinyl, or rubber shoe covers• <u>2</u> disposable lab coats, aprons, or coveralls	
Absorption Materials	Inert material to soak up spills	<ul style="list-style-type: none">• Universal absorbents such as commercial spill pads and/or loose absorbents	
Cleanup Tools & Materials	General requirements	<ul style="list-style-type: none">• Plastic scoop, dustpan, or shovel• 3-5 thick, heavy duty waste bags• Cardboard box to hold waste bag• Sealing tape & EHS hazardous waste labels• Forceps or tongs for picking up sharps• Detergent or general cleaner for final cleanup	

Additional materials may be needed depending on the specific hazards used in the laboratory

Spill kits are important to ensure everyone's safety

Before starting any experiment, *always* ensure you know:

- **Location of spill kit**

Is this easily accessible?

- **Contents of spill kit**

Should additional supplies be added?

What is the largest potential spill volume?

Note: PIG HazMat Pads are specified to absorb 800 mL per pad

- **How to use items included in the spill kit**