

911

CHEMICAL EMERGENCIES AND SPILLS

1. Chemical emergencies such as large spills, spills involving highly hazardous or flammable materials, releases of toxic or corrosive gasses or substances should be treated as other types of emergencies. PULL THE FIRE ALARM AND EVACUATE THE BUILDING.

2. CALL 911. Notify the dispatcher of the type of emergency; they will notify appropriate emergency personnel.

3. If there are injured victims, provide the minimum necessary first aid ONLY IF YOU ARE SURE THAT THERE IS NO DANGER TO YOURSELF. If providing assistance will endanger yourself, DO NOT attempt intervention; wait for emergency response personnel at the front of the building.

4. For small, low hazard spills:

-restrict access to the area and notify surrounding personnel

-use appropriate personal protective equipment (see "Personal Protective Equipment" below)

-Spill-X-A® is used for acids (except HF!)

-Spill-X-C® is used for caustics

-notify the Safety Office if you need equipment or have any questions

-package and dispose of the waste in an appropriate manner.

-complete an incident report.

5. For larger spills that do not constitute an emergency or if you are unsure about the hazards of the spilled material:

-restrict access to the area and notify surrounding personnel.

-notify the Safety Coordinator at 292-6379 or 9-605-5075 (beeper).

-complete an incident report.

Spill Kit Contents

It is your responsibility to maintain the contents of this kit. For replacement items contact the Safety Office. The contents of this kit (5 gallon bucket) include:

- 1) 1 Universal Spill Boom (Snake) - 3"X4'
- 2) 3 Universal Spill Pads - 17"X19"
- 3) 1 Universal Spill Pillow - 17"X17"
- 4) 1 Spill X-A Container (500 mL)
- 5) 1 Spill X-B Container (500 mL)
- 6) 1 Plastic Scoop
- 7) 1 Plastic Scraper
- 8) 1 Adhesive "Hazardous Waste" Label
- 9) 1 Department Incident Report Form

Spill Kit Instructions

- 1) Notify surrounding personnel of the spill.
- 2) Determine the appropriate personal protective equipment (see the Chemical Hygiene Plan and the green Department Safety Handbook).
- 3) Remove the contents from the Spill Kit.
- 4) For organic and aqueous spills use the Universal Spill Pads, or Pillows. Use the Spill Boom to prevent hazardous materials from going into floor drains, etc. The used pads must be placed into the bucket and the lid sealed. Indicate ALL of the bucket contents (including glassware, gloves, plastic, etc) on the "Hazardous Waste" label provided and fix it to the outside of the bucket. Complete the "Incident Report Form" that is provided. Call the Safety Office to make an appointment to drop off the hazardous material and to obtain a replacement kit.

5) For acid spills (except Hydrofluoric Acid!), use the Spill-X-A in the nalgene container. Pour the Spill-X-A around the outside of the spill (to contain it) and work your way toward the middle of the spill. Cautiously mix the materials thoroughly to completely neutralize the acid. Use the scraper and scoop to place the materials into the bucket. When finished, seal the lid. Indicate ALL of the bucket contents (including glassware, gloves, plastic, etc) on the "Hazardous Waste" label provided and fix it to the outside of the bucket. Complete the "Incident Report Form" that is provided. Call the Safety Office to make an appointment to drop off the hazardous material and to obtain a replacement kit.

6) For caustic spills, use the Spill-X-C in the nalgene container. Pour the Spill-X-C around the outside of the spill (to contain it) and work your way toward the middle of the spill. Cautiously mix the materials thoroughly to completely neutralize the materials. Use the scraper and scoop to place the materials into the bucket. When finished, seal the lid. Indicate ALL of the bucket contents (including glassware, gloves, plastic, etc) on the "Hazardous Waste" label provided and fix it to the outside of the bucket. Complete the "Incident Report Form" that is provided. Call the Safety Office to make an appointment to drop off the hazardous material and to obtain a replacement kit.

WARNING!

This kit is to be used for acids, bases, and some organic materials ONLY. Do not use this kit for spills involving:

- 1) Mercury or mercury compounds
- 2) Water reactive or pyrophoric materials
- 3) Highly toxic materials
- 4) Hydrofluoric Acid