

Date Prepared: 2/2005
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BMP Chemistry/Biology #6

TITLE: SPILL RESPONSE

Regulatory Citation: 29 CFR1910.1200

Applicability: Spills of hazardous materials in quantities that can be handled by staff in the immediate area and initiation of assistance for larger spills

Purpose: Prompt response to spills

Person or

Department Responsible: Chemistry, Biology, Physics Chair

Schedule: As needed

Procedures: When a hazardous material spill occurs, the faculty will initially ascertain if any injury has occurred and ensure the safety of the students. The faculty member will determine the identity of the spilled material and the amount spilled. If the spill can be handled safely by staff in the area, faculty will use spill materials available in the lab and begin spill clean up (see attached procedures for injuries and spill clean up). Spill cabinets are mounted on the wall of all chemistry labs; a spill kit is available to all biology labs in the micro discard area, Fitz 326.

All spill clean up material and associated personal protective equipment will be placed in a plastic bag and labeled, "spill clean up material" and other words that describe the chemical constituents, ie., solvent, flammable. The waste will be transferred to Technical Services for proper disposal.

If during the initial actions, it is determined that the nature of the spill requires assistance from outside the lab, the area will be evacuated and the Technical Services Department notified. If it is after hours, contact Public Safety. As much specific information as possible will be relayed to Technical Services or Public Safety. The College's approved hazardous waste company will be contacted to respond to the spill. The Director of Environmental Health & Safety will also be contacted. No persons should be permitted to enter the area until the clean up is completed and the area evaluated by the Director of Environmental Health and Safety.

Record keeping: N/A.

Record

Location: N/A

Current Hazardous waste vendor: Precision Environmental

Contact: Director of Tech Services (629-7477)
Chemistry Biology Physics Chair 629-7453
Director of Environmental Health & Safety (629-7163)

Exposure Incident Procedures

Formaldehyde or chemical exposure incident:

For splashes to skin or eyes:

- Skin contact: remove contaminated equipment and/or clothing immediately
- Wash the affected area with soap and large amount of water for at least 15 minutes
- Eye contact: wash eyes immediately at eye wash station, occasional lifting eyelids, for at least 15 minutes
- After washing seek medical treatment follow up as instructed below

For inhalation: if you are experiencing any of the following signs and symptoms related to exposure to formaldehyde or other chemical:

- Irritation to the upper respiratory tract and eyes
- Tearing of eyes
- Difficulty breathing
- Burning of the nose and throat, cough
- Skin discoloration, smarting, drying, cracking and scaling
- Skin numbness, hardening or tanning (due to chronic skin exposure)
- Clouding of vision some time after a splash to the eyes

GO IMMEDIATELY TO THE HVCC HEALTH OFFICE, 1st floor FITZGIBBONS OR THE EMERGENCY ROOM

- If possible, bring the Material Safety Data sheet or information on what you believe you were exposed to.

Spill Response Procedures

If possible, first determine what was spilled and the quantity.

Large Spills:

If the spill is large enough that it poses an adverse exposure hazard or is too large to be absorbed, neutralized or controlled by staff in the immediate area, then evacuate the area and contact:

Precision Environmental	346-5800 or 888-888-7464
Department of Public Safety	911 from a campus phone or 629-7210
Env. Health & Safety	629-7163

Do not re-enter the area until it is cleared by EHS

Small spills:

- 1) Clear the area by removing all students and employees not involved in the clean up from the area.
- 2) Don the following protective equipment:

safety goggles
chemical resistant apron
gloves
- 3) If a flammable material is involved, remove all sources of ignition from the area and use spark and explosion proof equipment if equipment is needed.
- 4) Remove all surrounding materials that could be especially reactive with the materials involved in the spill.
- 5) If the container is still leaking, stop the leak if possible (stopper, upright container, etc) and place it in a well-ventilated area.
- 6) Neutralize/clean up spill by using the appropriate chemical absorption material. If necessary dike the spill to contain it first to prevent it from reaching a floor drain.
- 7) Place all used spill material, chemical waste and debris, and used protective equipment, in plastic bag labeled "hazardous waste" provided with spill kit.
- 8) Label the container with a Hazardous waste label, the name of the chemicals that were in the spilled material, and the date.
- 9) Transfer to the Technical Services Department for proper disposal

If any chemical has been or is suspected to have been discharged to the sink or floor drain, contact the EHS office (7163) ASAP.

