

Emergency Response Guide for Laboratories

Life & Safety

Sign BookTM

patent pending

Carnegie Mellon

Emergency Numbers

Security	268-2323
Environmental Health & Safety	268-8182
Radiation Safety	268-3221

October 2000



RADIOLOGICAL SPILL ON BODY

Remove any contaminated clothing.

Wash contaminated area with WARM soap and water.

Contact Radiation Safety Office
268-3221 &/or Security 268-2323.

Refer to the Radiation Safety Manual.



In case of injury to an individual, follow normal first aid practices, making certain the responding medical personnel are aware of radiological involvement.

CHEMICAL SPILL ON BODY

Flood exposed area with running water for at least 15 minutes.

Remove contaminated clothing and shoes while in shower.

Contact Security at 268-2323.

MSDS should accompany injured person for medical treatment.

Any personal contamination should be reported to Environmental Health & Safety at 268-8182.



Do not reproduce without permission from Graphics Lab



BIOLOGICAL SPILL ON BODY

Remove contaminated clothing.

Wash affected area thoroughly with soap and water.

Contact Security at 268-2323.

HAZARDOUS MATERIAL IN EYE

Rinse eyeball and under eyelids with water for 15 minutes.

Hold eyelids open to ensure thorough washing.

Contact Security at 268-2323.

Any personal contamination should be reported to Environmental Health & Safety at 268-8182.



Do not reproduce without permission from Graphics Lab

LABORATORY FIRES



SMALL FIRES



KEEP



Exit at your back.

USE



Fire extinguisher.

AIM



At base of fire.

SQUEEZE



Handle grips or trigger.

SWEEP



Spray side to side at base of flames.

VENTILATE



After fire is completely extinguished.

CONTACT



Security at 268-2323.

W I S E



WORDS

Familiarize yourself with locations of exits, extinguishers, and fire alarm pull stations.



Do not reproduce without permission from Graphics Lab

LABORATORY FIRES

LARGE FIRES



ACTIVATE



Activate fire alarm station and alert others.

EVACUATE



Use stairs and close doors behind you.

MOVE



Move away from building exterior.

REPORT



Report location, injuries, and other hazards to Security at 268 -2323.

INFORM



Inform emergency responders of any hazards, injuries, or locations of persons remaining inside.

REMAIN



Stay outside building until cleared for reentry.



Do not reproduce without permission from Graphics Lab

CHEMICAL SPILLS

SMALL VOLUME & LOW HAZARD



1. ALERT



Alert people in the immediate area of the spill.

2. AVOID



Avoid breathing vapors from spill.

3. WEAR



Wear protective clothing and gloves.

4. CONFINE



Confine spill to a small area.

5. USE



Use appropriate spill kit.

6. COLLECT



Collect residue, place in labeled container and dispose of as hazardous waste.

7. CLEAN



Clean spill area.



W I S E

W O R D S

Know in advance how to respond to any spill. A Small Volume & Low Hazard chemical spill is one that does not pose a health threat beyond those associated with the chemical's normal handling. The volume should also be within the capacity of a spill kit. All other spills are considered Large Volume &/or High Hazard.

CHEMICAL SPILLS

LARGE VOLUME and/or HIGH HAZARD 

1. ALERT



Alert everyone in laboratory.

2. ASSIST



Assist injured or contaminated people from the area.

3. CONTROL



Stop release and turn off heat sources and power supply to the room, if it can be done safely.

4. EVACUATE



Evacuate area immediately. Hold your breath as you are leaving.

5. CLOSE DOORS



Restrict access to area.

6. REPORT



Report injuries, location, type and size of spill to Security 268-2323.

7. INFORM



Remain in a safe area to advise emergency responders.



BIOLOGICAL SPILLS

SMALL VOLUME

Minor Biological Spills do not pose a health threat beyond those associated with the normal handling of the microorganisms. Minor spills do not involve any splashing or aerosol formation. All other spills are to be considered major.

1. ALERT



Alert everyone in the laboratory.

2. ATTEND



Attend to injured or contaminated people. Help them from the room if necessary.

3. EVACUATE



Evacuate area immediately if the spill occurs outside a biosafety cabinet. Hold breath as you are leaving.

4. REMOVE



Remove any potentially contaminated clothing. Place in an autoclave bag.

5. ISOLATE



Isolate the area. Close doors leading to laboratory.

6. WAIT



Wait 30 minutes before reentering the area in personal protective equipment.

7. ENCIRCLE



Gently encircle spill with disinfectant.

8. SOAK



Place paper towels on spill and soak with disinfectant for 20 minutes.

9. PLACE



Use forceps to remove broken glass and sharps and place in sharps container. Using plastic dust pan and squeegee, place all clean up materials in biowaste waste container.

10. WASH



Wash spill area with appropriate disinfectant and paper towels.

11. AUTOCLAVE



Autoclave or disinfect all clean up materials.

12. REPORT



Report accident to supervisor and Environmental Health & Safety at 268-8182.

BIOLOGICAL SPILLS

LARGE VOLUME



1. ALERT



Alert everyone in the laboratory.

2. ATTEND



Attend to injured or contaminated people. Help them from the room if necessary.

3. EVACUATE



Evacuate the area immediately. Hold your breath as you are leaving.

4. REMOVE



Remove any potentially contaminated clothing. Place in an autoclave bag.

5. SECURE



Secure the area. Close doors leading to laboratory.

6. POST



Post biohazard warning signs.

7. CONTACT



Contact Security 268-2323 to report incident.



Do not reproduce without permission from Graphics Lab



RADIATION SPILLS

1. STOP



Stop the spill or leak. Upright containers.

2. WARN



Alert others in area.

3. ISOLATE



Limit access to contaminated area and assemble all potentially contaminated persons in the closest non-contaminated area to wait for Radiation Safety.

4. MINIMIZE



Minimize your exposure.
- Time
- Distance
- Shielding

5. CONTACT



Contact Radiation Safety Office
at 268-3221 &/or
Security at 268-2323.

W I S E



WORDS

Prevent the spread of radioactive contamination beyond the area by confining movement of personnel until they have been monitored by Radiation Safety.



Do not reproduce without permission from Graphics Lab



DISCLAIMER

This Sign Book™ (patent pending) was created by Graphics Lab using information provided by Carnegie Mellon University. Graphics Lab makes no claims to the accuracy of the information.

1 - 8 0 0 - 6 4 9 - 6 4 8 8

www.graphicslabsigns.com