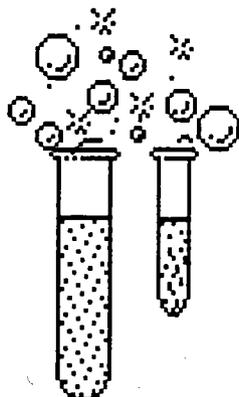




Training Requirements for Laboratory Employees Responsible for Cleanup of Minor Chemical Spills



56-022-0793



Employees must demonstrate a working knowledge of the elements of the following programs, plans, and policies. This program information must be accessible to employees while in the workplace.

Emergency Action Plan

Instruct employees in the parts of the plan they must know to protect themselves in the event of an emergency (i.e., the emergency evacuation procedures and escape routes) (29 CFR 1910.38).

Fire Prevention Plan

Instruct employees in the fire hazards of the materials and processes to which they are exposed in the work area. Instruct employees in the measures they must take to protect themselves in the event of an emergency (29 CFR 1910.38).

Hazard Communication Program

Instruct employees in—

- *The methods and observations used to detect the presence or release of a hazardous chemical in the work area.

- *The physical and health hazards of chemicals in the work area.

- *The measures by which they can protect themselves, such as appropriate work practices, emergency procedures, and personal protective equipment (PPE).

- *The details of the hazard communication program, including an explanation of the labeling system and material safety data sheets (29 CFR 1910.1200).

Chemical Hygiene Plan

Instruct employees in—

- *The details of the chemical hygiene plan.

- *The permissible exposure limits and threshold limit values assigned to hazardous chemicals by the Occupational Safety and Health Administration and the American Conference of Governmental Industrial Hygienists.

- *The signs and symptoms associated with exposures to hazardous chemicals used in the work area (29 CFR 1910.1450).

- *The location and availability of the chemical hygiene plan, the hazard communication program, material safety data sheets, and other reference materials.

- ◆ **Chemical Hygiene Officers/Safety Managers**

- ◆ **Guidance**

- ◆ **Laboratory Safety**

Healthcare Hazards Program
U.S. Army Center for Health Promotion and Preventive Medicine
Aberdeen Proving Ground, MD 21010-5422
DSN 584-3040 or Commercial 410-671-3040

Spill Control Policy

Instruct employees in hazardous chemical spill notification and cleanup procedures. This includes—

- *The name(s) and telephone number(s) of persons to contact in the event of a spill.
- *The location and use of spill kits and emergency equipment.
- *The locations and use of PPE.
- *The methods to determine when a spill is beyond their ability to clean up (29 CFR 1910.1450).

Hazardous Waste Management Policy

Instruct employees in—

- *The details of the hazardous waste management policy.
- *The collection, segregation, storage, and transportation of hazardous wastes.
- *The hazardous waste labeling requirements (29 CFR 1910.1450).

Initial and Annual Refresher Training Programs

*Provide employees with initial education and annual refresher training in the programs listed above.

- *Maintain documentation which substantiates employee participation.
- *Supplement the training program with regular, continuous training in the work areas.

Training Assistance

The U.S. Army Center for Health Promotion and Preventive Medicine (USACHPPM) has video-cassettes available for loan to assist activities in meeting their training requirements. Contact USACHPPM at DSN 584-3040, or commercial (410) 671-3040, and inquire about the USACHPPM Audiovisual Lending Tape Library.

REFERENCES

1. DOD Instruction 6050.5, 29 October 1990, DOD Hazard Communication Program.
2. DOD Instruction 6050.5-h, June 1989, DOD Hazardous Chemical Warning Labeling System.
3. HQDA Letter 11-91-2, 1 November 1991, Implementation of Hazard Communication Program.
4. Title 29, Code of Federal Regulations (CFR), 1993 rev, part 1910, section 38, Employee emergency plans and fire protection plans.
5. Title 29, CFR, 1993 rev, part 1910, section 1200, Hazard communication.
6. Title 29, CFR, 1993 rev, part 1910, section 1450, Occupational exposure to hazardous chemicals in laboratories.
7. National Research Council, Prudent Practices for Handling Hazardous Chemicals in Laboratories, National Academy Press, Washington, DC, 1981.