



Laboratory Safety Series

“There’s not enough money in my budget for safety training!”. . . “I just don’t have the time to hold these training meetings!”. . . “It’s almost impossible to get everyone together all at once without disrupting the work that they are doing!”. . . These are just some of the training problems that lab managers face today. Yet now, more than ever, safety training is essential for laboratory employees. Unfortunately, there never seems to be enough of anything. . .time, money or good training materials. . . to get

the job done right. The Laboratory Safety Series can help. Available on videotape, Interactive CD-ROM courses, and online; these programs address the safety issues that are unique to laboratory environments.

VIDEO PROGRAMS

This series of 12 videotape programs was created to provide laboratory employees with the specific training that they need to do their jobs safely. Filmed in real working laboratories, a number of different types of laboratory environments are shown, so that every employee will relate to what they are seeing. Each program is 10-15 minutes long and deals with a different subject. The programs come packaged in three-ring binders which also contain a Presenter’s Guide as well as reproducible Employee Quizzes, Scheduling and Attendance Forms and Training Certificates. These videotapes are ideal for monthly safety meetings, new employee orientation programs or “refresher” training for experienced employees. Topics in the series include:

- Orientation to Laboratory Safety
- Safety Showers & Eye Washes
- Flammables & Explosives
- The OSHA Formaldehyde Standard
- Electrical Safety in the Laboratory
- Laboratory Ergonomics
- Material Safety Data Sheets
- Laboratory Hoods
- Preventing Contamination
- Safe Handling of Laboratory Glassware
- Planning for Laboratory Emergencies
- Handling Compressed Gas Cylinders



INTERACTIVE CD-ROM COURSES

Using a powerful combination of audio, full-motion video, text and colorful graphics, these courses provide the most cost-effective Laboratory Safety training available today. Based on the acclaimed Laboratory Safety videotape series, the courses are Windows compatible, and include platform software that installs automatically. Each course takes about 20 to 30 minutes to complete, depending on the topic. The courses are divided into a number of logical sections, each with its own quiz, so information is easily understood. Comprehensive User’s and Trainer’s Guides accompany each course.

Also designed with the Training Manager in mind, the courses include a comprehensive Learning Management System (at no additional cost). Using this system, trainers can define and set up curriculum... establish log-in procedures... even set up “pre” and “post” tests. Employee performance information can be collected and organized through a powerful relational database, which generates a number of recordkeeping and tracking reports. This database also contains a feature which will allow you to import this information into many of today’s common personnel databases. Topics in the CD-ROM series include:

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INFORMATION COVERED

Information covered in the courses includes, but is not limited to:



Orientation to Laboratory Safety

- Personal protective equipment.
- Fire evacuation protocols.
- The Chemical Hygiene Plan.
- Material Safety Data Sheets (MSDSs).
- Safety housekeeping.

Safety Showers & Eye Washes

- Correct use of safety showers.
- Correct use of eye wash stations.
- Proper safety procedures.
- Maintenance of both showers & eye washes.

Flammables & Explosives

- Proper handling procedures.
- Personal protective equipment.
- Storage procedures.
- Fire safety.
- Evacuation procedures.

The OSHA Formaldehyde Standard

- Background of the regulation.
- Safe work practices.
- Personal protective equipment.
- Spill/cleanup procedures.
- Medical surveillance programs.

Electrical Safety in the Laboratory

- How electricity works.
- The dangers of working with electricity.
- Principles of electrical energy.
- Lock-out/tag-out procedures.
- Fuses and short circuits.
- Instrument repair.

Laboratory Ergonomics

- How injuries happen.
- Working at a bench or hood.
- Using a computer terminal.
- Positioning compressed gas cylinders.
- Safe lifting techniques.

Material Safety Data Sheets

- Understanding the different sections of an MSDS.
- The questions the MSDS answers.

Laboratory Hoods

- Ventilation principles.
- When & why hoods should be used.
- Correct operating procedures.
- Proper maintenance procedures.

Preventing Contamination

- How contamination occurs.
- Personal protective equipment.
- Proper safety procedures.
- Steps to prevent the spread of contamination.

Safe Handling of Laboratory Glassware

- Types of glassware used in the lab.
- Configuring glassware systems.
- Making proper connections.
- Handling techniques.
- Cleaning & decontamination.

Planning for Laboratory Emergencies

- Emergency procedures.
- Fire safety.
- How to prevent injuries.
- Evacuation procedures.

Handling Compressed Gas Cylinders

- Storing & transporting cylinders.
- Safety precautions.
- Positioning cylinders properly.
- Storage "incompatibilities".

Training for the OSHA Laboratory Standard

A Regulatory Compliance Kit™ containing a Videotape Program, Compliance Manual, Employee Booklets and Posters is also available on the OSHA Laboratory Standard.

The Videotape and Booklets cover:

- Background of the regulation.
- Chemical hazard concepts.
- MSDSs.
- Types of hazardous chemicals.
- Chemical's characteristics & effects.
- Safe handling practices.
- Container labeling.
- Use of PPE.
- Spills & cleanup.

The Compliance Manual includes:

- Background of the regulation.
- Major compliance requirements.
- A "fill-in-the-blank" Compliance Program.
- Forms & procedures.
- A Glossary of Terms.



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