HSE 2020

BTS
Training & Consultancy

Contact us

Website: https://btsconsultant.com/

Email: info@btsconsultant.com

UAE office Tel: +971 26446633

Egypt Office Tel: +2 0502308081

The Supervisory Role in Laboratory Safety

Duration: 5 Days

Introduction:

While all workers in the lab are responsible for contributing to a safe working environment, the Occupational Safety and Health Administration (OSHA) requires supervisors to play an important role in identifying and avoiding hazards, maintaining a clean and safe lab, training employees, preparing for emergencies, and keeping records. This course will help laboratory supervisors understand the specifics of their role in implementing and demonstrating safe lab procedures. It will help trainees gain a better understanding of their role as a supervisor in implementing and maintaining chemical hygiene and safety in the laboratory. You will be able to identify the relevant OSHA standard for laboratory safety and discuss major components and requirements.

While all workers are subject to OSHA Laboratory Standard, overall responsibility for chemical hygiene and lab safety lies with the laboratory supervisor. The standard outlines specific duties for the supervisor, including:

- Ensuring that upon hiring or assignment, and periodically thereafter, all workers know the chemical hygiene rules applicable to your lab and ensuring that they are followed. It is your responsibility to discuss the nature of the research being conducted and the chemical, physical, and biological hazards that are present.
- Ensuring that employees are using safe handling techniques.
- Ensuring that appropriate personal protective equipment, or PPE, is available and in working order.
- Planning and overseeing regular, formal chemical hygiene and housekeeping inspections, including routine inspections of emergency equipment to ensure that equipment is in working order, instructions are clear, and employees know how to use them.
- Knowing which substances are being used in the lab and any legal requirements for those substances, including handling, storage, and labeling. This information must also be relayed to all lab employees. Material safety data sheets, or MSDSs, for each substance should be on hand and accessible to all employees.

- And finally, when ordering substances for use in the lab, you should evaluate your lab to determine that the appropriate storage facilities exist and that all required training is fulfilled before that substance is used.

Who Should Attend?

Lab Managers, Chemical Engineers, Supervisors, Environmental, Health & Safety Personnel & Professionals, Management Personnel who have industrial hygiene responsibilities, Risk Managers, Operations Managers, Line Managers who have been assigned responsibilities of safety management system & in training employees in safety rules, Personnel who are coordinating, supervising, or managing safety and health efforts, Safety Leaders and middle/upper managers.

Course Objectives:

By the end of this course delegates will be able to:

- Describe the supervisors role,
- Identify the appropriate OSHA standard,
- Discuss key components,
- Identify hazards and how to avoid them, and
- Relay lab safety procedures to others.
- Identify the purpose of the Laboratory Standard;
- Recognize and understand the elements of the Standard;
- Identify the actions required to comply with the Standard;
- Do your part to comply with the Standard and ensure the safety of all

Course Outline:

- Overall responsibility for chemical hygiene and lab safety
- Verification of training and education
- Identification and correction of hazards
- Direct observation of workers
- Correcting unsafe or unwanted behavior
- Direction and instruction of workers
- Response to worker questions & concerns
- Housekeeping and regular inspections
- Material safety data sheets (MSDSs)
- Safe handling techniques
- Maintaining a chemical inventory
- Providing access to safety data sheets (SDS)
- Appropriate personal protective equipment (PPE)
- Knowledge of the chemicals in use and relaying that knowledge to your co-workers
- Recordkeeping
- Taking responsibility and getting others to do the same
- Cultivating a culture of safety
- Conducting risk assessment for each lab protocol performed
- Determining the hazards faced in the lab
- Selecting appropriate safety measures
- Engineering controls, PPE, and work practices
- Eliminating and minimizing risks
- Maintaining a safe laboratory environment at all times
- Handling lab emergencies swiftly and effectively
- Exposure to hazardous chemicals during laboratory work
- Following emergency procedures
- Laboratory audit

- Proper disposal of hazardous waste
- Promoting pollution prevention, waste minimization and energy conservation in your lab
- Appropriate evacuation procedures
- OSHA requirements & standards