

SAFE USE & HANDLING OF VARIOUS HAZARDOUS & SENSITIVE MATERIALS

HSE015

COURSE DESCRIPTION

This course provides comprehensive training on the safe use and handling of various hazardous and sensitive materials. It covers essential safety practices, regulatory compliance, and risk management strategies necessary for working with materials that may pose health, safety, or environmental risks. The course is designed to equip participants with the knowledge and skills to recognize, evaluate, and control potential hazards, ensuring a safe workplace and compliance with legal requirements.

COURSE OBJECTIVES

By the end of this course, participant will be able to:

- Understand the classification and properties of different hazardous and sensitive materials.
- Identify potential hazards associated with the use and handling of these materials.
- Learn safe handling, storage, and disposal procedures for hazardous and sensitive materials.
- Gain knowledge of relevant regulations and standards, including OSHA, EPA, and other regulatory bodies.
- Develop the ability to conduct risk assessments and implement appropriate control measures.
- Understand emergency response procedures for incidents involving hazardous and sensitive materials.
- Promote a safety culture and encourage safe practices in the workplace.

WHO SHOULD ATTEND

This course is suitable for a wide range of professionals who work with or are responsible for hazardous and sensitive materials. This includes:

- Laboratory technicians and researchers
- Chemical industry professionals
- Environmental health and safety (EHS) managers
- Regulatory compliance officers
- Maintenance and facility personnel
- Waste management and disposal personnel
- Emergency response teams
- Supervisors and managers overseeing hazardous material

COURSE DURATION

5 Working Days

COURSE OUTLINES

1. Introduction to Hazardous and Sensitive Materials

- Definition and classification
- Common hazardous and sensitive materials

2. Regulatory Framework and Standards

- Overview of OSHA, EPA, and other regulations
- Compliance requirements and guidelines

3. Risk Assessment and Hazard Identification

- Hazard communication and labeling
- Risk assessment methodologies

4. Safe Handling and Storage Practices

- Personal protective equipment (PPE)
- Safe handling techniques
- Storage and segregation requirements

5. Disposal and Waste Management

- Procedures for proper disposal
- Waste minimization and recycling

6. Emergency Response and Incident Management

- Emergency planning and preparedness
- Spill response and containment
- First aid and medical response

7. Case Studies and Best Practices

- Real-world scenarios and lessons learned
- Implementing best practices in the workplace

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