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HEALTH SAFETY AND ENVIRONMENT | HSE-006

Chemical Safety and Hazardous Waste Management: Protecting People and the Planet

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Course content

Why Attend

This course empowers participants to recognize, manage, and mitigate the risks associated with hazardous chemicals and waste in the workplace. By attending, you'll gain the knowledge and skills needed to comply with regulatory requirements, enhance workplace safety, and contribute to environmental sustainability. Participants will leave with practical tools and strategies to protect people and the planet from chemical hazards effectively.

Course Methodology

The course employs a blend of interactive learning methods, including:

- Instructor-led discussions to explain key concepts.
- Case studies to analyze real-world scenarios.
- Group activities and simulations to practice hazard identification and risk management.
- Hands-on exercises to apply best practices in hazardous waste handling and disposal.
- Multimedia presentations to illustrate the impact of effective chemical safety and waste management.

Course Objectives

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

- Identify and classify hazardous chemicals and waste based on international standards.
- Understand the risks and health impacts associated with hazardous substances.
- Implement strategies for safe chemical handling, storage, and transportation.
- Develop and apply hazardous waste management plans.
- Navigate relevant regulations and compliance frameworks.
- Respond effectively to chemical spills and emergencies.

Target Audience



Course content

Target Audience

This course is designed for professionals involved in:

- Environmental health and safety (EHS)
- Chemical and hazardous waste management
- Facilities and operations management
- Risk and compliance management
- Manufacturing and industrial operations
- Laboratory and research work

Target Competencies

Participants will develop competencies in:

- Hazard identification and risk assessment
- Regulatory compliance
- Safe chemical handling practices
- Waste management planning and execution
- Emergency response and spill containment
- Sustainable environmental practices

Course outline

Day 1: Introduction to Chemical Safety

- Overview of chemical safety and hazardous waste management
- Common chemical hazards and their effects
- Regulatory frameworks (e.g., OSHA, EPA, REACH)
- Roles and responsibilities in chemical safety



Course content

Course outline

Day 2: Hazard Identification and Risk Assessment

- Classification of hazardous chemicals and wastes (GHS, SDS)
- Risk assessment tools and techniques
- Exposure limits and monitoring
- Labeling and signage requirements

Day 3: Safe Handling and Storage of Chemicals

- Safe handling practices and personal protective equipment (PPE)
- Guidelines for chemical storage and segregation
- Transportation and shipping of hazardous materials
- Preventing and managing chemical spills

Day 4: Hazardous Waste Management

- Waste classification and categorization
- Collection, storage, and disposal of hazardous waste
- Recycling and reuse opportunities
- Developing a hazardous waste management plan

Day 5: Emergency Response and Best Practices

- Spill response planning and implementation
- Emergency response procedures
- Case studies and lessons learned
- Integrating sustainability into chemical safety programs



Seminar dates

Available seminar dates

Live dates and pricing for Chemical Safety and Hazardous Waste Management: Protecting People and the Planet generated from the course details page.

Date	Location	Format	Fee
14 - 18 December 2026	Rome - Italy	Classroom	**€3,400.-**
18 - 22 January 2027	Frankfurt - Germany	Classroom	**€2,600.-**
15 - 19 February 2027	Rome - Italy	Classroom	**€3,400.-**
15 - 19 March 2027	Kuala lumpur - Malaysia	Classroom	**€1,800.-**
19 - 23 April 2027	Barcelona - Spain	Classroom	**€3,080.-**
17 - 21 May 2027	London - U.K	Classroom	**€3,360.-**
21 - 25 June 2027	Geneva - Switzerland	Classroom	**€4,200.-**
19 - 23 July 2027	Rome - Italy	Classroom	**€3,400.-**
16 - 20 August 2027	Frankfurt - Germany	Classroom	**€2,600.-**
20 - 24 September 2027	Rome - Italy	Classroom	**€3,400.-**
18 - 22 October 2027	Kuala lumpur - Malaysia	Classroom	**€1,800.-**
15 - 19 November 2027	Barcelona - Spain	Classroom	**€3,080.-**
20 - 24 December 2027	London - U.K	Classroom	**€3,360.-**

Live online option	Online delivery is available at €1,850.-.