

HAZARDOUS SUBSTANCES

“Safe Handling, Risk Control, and Compliance in Hazardous Environments”

Schedule

Date	Venue	Fees (Face-to-Face)
26 - 27 Jan 2026	Doha, Qatar	USD 1995 per delegate
04 - 05 Mar 2026	Doha, Qatar	USD 1995 per delegate
05 - 06 May 2026	Manama, Bahrain	USD 1995 per delegate
19 - 20 Aug 2026	Doha, Qatar	USD 1995 per delegate

► Available delivery methods: Face-to-Face & Online Training

Introduction

Hazardous substances present serious risks to people, facilities, and the environment. Whether used in manufacturing, construction, laboratories, or maintenance operations, these materials require systematic identification, handling, and control measures to prevent harm and ensure compliance. This practical two-day training equips participants with essential skills and regulatory knowledge to identify hazardous substances, assess exposure risks, and apply control strategies in line with international standards such as OSHA, COSHH, and GHS.

Objectives

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

- Identify hazardous substances in the workplace using classification systems
- Interpret chemical safety data sheets (SDS/MSDS) correctly
- Evaluate risks through exposure assessment and activity analysis
- Apply control hierarchy (elimination to PPE) to reduce exposure
- Manage chemical storage, labeling, and disposal requirements
- Understand emergency procedures for spills and exposure events
- Comply with global standards such as GHS, REACH, and COSHH.

Why Attend

- Reduce health risks and environmental liability from chemical use
- Ensure safer workplaces and protect employees from long-term harm
- Learn to implement workplace controls and PPE protocols
- Stay compliant with regional and international chemical safety regulations
- Build a proactive culture around chemical hazard awareness and preparedness.

Target Audience

This program is designed for:

- Health, Safety & Environment (HSE) Officers
- Laboratory and Maintenance Supervisors
- Plant, Warehouse, and Facility Managers
- Chemical Users and Storekeepers
- Risk Managers and Compliance Officers.

Individual Benefits

Key competencies that will be developed include:

- Chemical hazard recognition and classification
- Practical risk control techniques
- Understanding and applying SDS/GHS labels
- Emergency and spill response
- Legal compliance knowledge

Organizational Benefits

Upon completing the training course, participants will demonstrate:

- Improved chemical safety and exposure prevention
- Enhanced compliance with GHS, COSHH, REACH, and OSHA regulations
- Reduced workplace incidents involving hazardous materials
- Improved storage, inventory, and chemical tracking systems
- Greater confidence during inspections and audits.

Instructional Methodology

The course follows a blended learning approach combining theory with practice:

- Lectures - Key chemical safety principles and legislation
- Case Studies - Past incidents and lessons learned
- Group Exercises - Classification and hazard control planning
- Tools - SDS interpretation, inventory templates, risk matrices
- Review - Trainer-led recap and real-world scenario evaluation

MAWA EVENTS

Address: No. 857, Block A2, Leisure Commerce Square - No 9., 46150 Petaling Jaya, Selangor, Malaysia

Phone: +601116373203 | **Email:** info@mawaevents.net



Course Outline

COURSE OUTLINE

Detailed 4-Day Course Outline

Training Hours: 7:30 AM – 3:30 PM Daily Format: 2–3 Learning Modules | Coffee breaks: 09:30 & 11:15 | Lunch Buffet: 01:00 – 02:00

Day 1: Foundations of Hazard Identification & Risk Awareness

• **Module 1: Introduction to Hazardous Substances (07:30 – 09:30)**

- What qualifies as hazardous: physical, health, and environmental risks
- Introduction to global standards (GHS, OSHA, REACH, COSHH)

• **Module 2: Classification and Labeling Systems (09:45 – 11:15)**

- Hazard classes, GHS pictograms, H/P statements
- Chemical labeling and color-coding systems

• **Module 3: Safety Data Sheets (SDS) and Workplace Hazard Recognition (11:30 – 01:00)**

- How to read and interpret SDS
- Identifying substance risks in different environments

• **Module 4: Workshop – Real-World Substance Mapping (02:00 – 03:30)**

- Group activity: assess and list substances used at your site

Day 2: Exposure Assessment and Risk Evaluation

• **Module 5: Routes of Exposure and Health Effects (07:30 – 09:30)**

- Inhalation, skin contact, ingestion, injection
- Acute vs. chronic health risks

• **Module 6: Risk Assessment Methodologies (09:45 – 11:15)**

- Evaluating likelihood and severity
- Applying control banding and using risk matrices

• **Module 7: Workplace Air Monitoring and Sampling (11:30 – 01:00)**

- Introduction to monitoring tools and acceptable exposure limits
- Interpreting TLVs, STELs, and PELs

• **Module 8: Case Study Analysis – Historical Incidents (02:00 – 03:30)**

- Reviewing root causes and how they could've been prevented

Day 3: Control Measures and Operational Integration

• **Module 9: Hierarchy of Controls in Action (07:30 – 09:30)**

- Elimination, substitution, engineering controls
- Administrative procedures and PPE effectiveness

• **Module 10: Chemical Storage, Handling, and Transport (09:45 – 11:15)**

- Safe storage: segregation, ventilation, compatibility
- Transport labeling and legal requirements

• **Module 11: Disposal and Environmental Compliance (11:30 – 01:00)**

- Waste classification and proper disposal practices
- Regulatory requirements for hazardous waste

• **Module 12: Site Walkthrough and Control Planning (02:00 – 03:30)**

- Observational checklist and group recommendations for improvement

Day 4: Emergency Response and Communication Strategies

• **Module 13: Spill Management and Containment Procedures (07:30 – 09:30)**

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Spill kit components and spill response protocols

- Notification and isolation practices
- **Module 14: Fire and Chemical Reaction Hazards (09:45 - 11:15)**
- Flammable, reactive, and explosive substances
- Prevention measures and first responder protocols
- **Module 15: Emergency Planning, Drills, and Communication (11:30 - 01:00)**
- Integrating response plans with fire, HAZMAT, and medical teams
- Communication roles and incident command basics
- **Module 16: Final Workshop - Hazard Scenario Simulation (02:00 - 03:30)**
- Group exercise: containment and communication under pressure
- Debrief, peer feedback, and Q&A

Certification

Participants who complete the program will receive a **Hazardous Substances** , recognizing the development of practical and strategic financial expertise.

Why Choose MAWA Events

- **Global Expertise:** More than 17 years of experience in professional training and consulting.
- **Industry-Leading Faculty:** Courses delivered by seasoned professionals with hands-on experience.
- **Practical Insights:** Learn to turn theory into actionable strategies for real-world business impact.
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In-House / Customized Training Interested in running this course for your team? Please contact us:	TEL: +601116373203	EMAIL: info@mawaevents.net
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