

# MANAGEMENT OF HAZARDOUS MATERIALS IN THE OIL INDUSTRY

*"Ensuring Safe Handling, Compliance, and Risk Mitigation of Hazardous Substances in Oil Operations"*

## Schedule

Date	Venue	Fees (Face-to-Face)
14 - 18 Jun 2026	Kuwait	USD 3495 per delegate

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

## Introduction

The oil and gas industry handles numerous hazardous materials that pose significant health, safety, and environmental risks if mismanaged. Proper management of these substances is not only a regulatory requirement but also a business imperative to avoid accidents, penalties, and reputational harm.

This 5-day training provides oil industry professionals with the knowledge and tools to identify, classify, store, transport, and dispose of hazardous materials in compliance with international standards. The course integrates risk assessment, emergency response, and environmental protection principles for operational excellence.

## Objectives

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

- Identify and classify hazardous substances commonly found in the oil industry
- Apply proper handling, storage, and labeling procedures
- Comply with international regulations such as OSHA, ADR, and IMDG
- Develop spill prevention, containment, and emergency response plans
- Implement risk assessment and safe disposal procedures

## Why Attend

- Learn how to manage hazardous substances safely and efficiently
- Ensure compliance with environmental, safety, and transportation regulations
- Protect personnel, facilities, and the environment from hazardous exposure
- Strengthen incident preparedness and emergency response capabilities
- Reduce the risk of penalties, operational disruption, and reputational loss

## Target Audience

This program is designed for:

- HSE and Safety Officers in oil & gas facilities
- Warehouse and Chemical Storage Managers
- Logistics, Transport, and Supply Chain Coordinators
- Environmental Compliance and Risk Professionals
- Operations Supervisors working with chemicals and hazardous goods

## Individual Benefits

Key competencies that will be developed include:

- Classification and safe handling of hazardous substances
- Knowledge of international labeling and transport codes
- Preparation of Material Safety Data Sheets (MSDS)
- Ability to conduct hazard and risk assessments
- Improved incident response and control

## Organizational Benefits

Upon completing the training course, participants will demonstrate:

- Reduced incidents and improved workplace safety
- Compliance with hazardous materials regulations
- Streamlined hazardous materials inventory and reporting
- Effective planning for spill response and emergency containment
- Higher environmental and operational performance

## Instructional Methodology

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

- Strategy Briefings - Regulatory frameworks, HAZMAT logistics
- Case Studies - Chemical spills, near misses, compliance failures
- Workshops - Classification exercises, labeling tasks, response plans
- Peer Exchange - Operational practices and regional compliance
- Tools - MSDS templates, HAZMAT audit checklists, PPE matrices

## Course Outline

**Training Hours: 7:30 AM - 3:30 PM** Daily Format: 3-4 Learning Modules | Coffee breaks: 09:30 & 11:15 | Lunch Buffet: 01:00 - 02:00

### Day 1: Fundamentals of Hazardous Materials Management

- Module 1: Introduction to HAZMAT in Oil Operations (07:30 - 09:30) • Chemical types, exposure pathways, industry-specific risks
- Module 2: Global Regulations and Standards (09:45 - 11:15) • OSHA, GHS, ADR, IMDG, ISO 45001
- Module 3: Material Safety Data Sheets (MSDS) and Labeling (11:30 - 01:00) • MSDS content, GHS pictograms, labeling compliance
- Module 4: Workshop - Classify and Label Oil Industry Chemicals (02:00 - 03:30) • Hazard identification, SDS interpretation

### Day 2: Storage and Transportation of Hazardous Materials

- Module 5: Safe Storage Systems and Segregation Practices (07:30 - 09:30) • Containment, ventilation, temperature control
- Module 6: Inventory Control and Compatibility (09:45 - 11:15) • HAZMAT registers, segregation charts, rotation
- Module 7: HAZMAT Transportation and Packaging (11:30 - 01:00) • UN numbers, placards, transport containers
- Module 8: Workshop - Evaluate a Storage Layout for Safety (02:00 - 03:30) • Layout redesign for compliance

### Day 3: Exposure Control and Emergency Response

- Module 9: Personal Protective Equipment (PPE) for Hazardous Materials (07:30 - 09:30) • Selection, training, maintenance
- Module 10: Engineering and Administrative Controls (09:45 - 11:15) • Ventilation, signage, SOPs
- Module 11: Spill Containment and Emergency Response Plans (11:30 - 01:00) • Containment kits, fire suppression, evacuation
- Module 12: Workshop - Develop a Spill Response SOP (02:00 - 03:30) • Scenario-based planning

### Day 4: Waste Disposal and Environmental Protection

- Module 13: Hazardous Waste Classification and Storage (07:30 - 09:30) • Solid vs liquid, reactive, toxic wastes
- Module 14: Disposal Methods and Vendor Selection (09:45 - 11:15) • Incineration, treatment, documentation
- Module 15: Environmental Monitoring and Reporting (11:30 - 01:00) • Air, soil, and water tests, emission tracking
- Module 16: Workshop - Prepare a HAZMAT Waste Manifest (02:00 - 03:30) • Track waste lifecycle

### Day 5: Risk Assessment and Integrated Safety

- Module 17: Hazard Identification and Risk Evaluation (07:30 - 09:30) • HAZOP, JSA, severity matrices
- Module 18: HAZMAT Audits and Compliance Inspections (09:45 - 11:15) • Inspection checklists, penalties, ISO audits
- Module 19: Building a HAZMAT Safety Culture (11:30 - 01:00) • Training, behavior reinforcement, management support
- Module 20: Final Workshop - Present a HAZMAT Management Plan (02:00 - 03:30) • Group presentations, peer review

## Certification

Participants will receive a Certificate of Completion in Management of Hazardous Materials in the Oil Industry, validating their skills in ensuring safe handling, transportation, and compliance of hazardous substances used in oil and gas operations.

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Interested in running this course for your team?

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