



LM192: Dangerous Goods Handling

Training Description:

The Dangerous Goods Handling training course is designed to provide participants with a comprehensive understanding of the safe handling, transportation and storage of hazardous materials. Dangerous goods, if improperly handled, pose significant risks to health, property and the environment. This training course provides a structured approach to understanding regulations, classification, labeling, packaging and emergency response procedures, ensuring that participants can manage risks effectively and comply with legal requirements.

This intensive training course will let participants examine the classification systems of dangerous goods, explore regulatory frameworks, and learn best practices for handling, storage and transport. The course emphasizes real-world applications, case studies, and practical exercises to reinforce understanding of safety protocols, risk assessment and incident prevention strategies. Participants will also gain skills in preparing documentation, understanding labeling requirements and implementing workplace safety programs for hazardous materials.

By the end of the training course, participants will be able to identify and assess hazards associated with dangerous goods, implement proper handling procedures and respond effectively to incidents. The training enhances technical competence, promotes a safety-first culture and builds confidence in managing hazardous materials in industrial, transportation and laboratory environments. Practical exercises and group workshops are integrated throughout to ensure knowledge can be applied immediately in participants' roles.

Training Objectives:

By the end of the training, participants will be able to:

- ✓ Understand the classification and labeling of dangerous goods
- ✓ Identify the hazards associated with different classes of dangerous goods
- ✓ Implement safe handling, storage and transportation procedures
- ✓ Comply with international and national regulations for dangerous goods
- ✓ Prepare documentation and shipping papers accurately
- ✓ Apply risk assessment techniques for hazardous materials
- ✓ Implement emergency response and incident management protocols
- ✓ Conduct workplace inspections for hazardous materials safety
- ✓ Recommend improvements to dangerous goods management processes
- ✓ Strengthen reporting, communication and safety awareness skills

Training Designed for:

This training course is intended for warehouse supervisors, logistics personnel and transport operators who handle or oversee dangerous goods. It is also suitable for safety officers, quality assurance staff, and compliance professionals responsible for hazardous materials management. Employees working in chemical manufacturing, pharmaceuticals, oil and gas, and industrial laboratories will benefit from understanding regulatory requirements and practical handling procedures.

Training Requirement:

“Hands on practical sessions, equipment and software will be applied during the course if required and as per the client’s request.”

Contents can be adapted to your specific wishes. It is therefore possible to focus on specific modules of the training course as per client’s learning needs and objectives. Further, it should be forwarded to us a month prior to the course dates.

Training Program:

DAY ONE:

INTRODUCTION TO DANGEROUS GOODS AND REGULATORY FRAMEWORKS

- ❖ **Understanding Dangerous Goods and Compliance Requirements**
 - Overview of dangerous goods and associated risks
 - Classification of hazardous materials (UN Classes 1–9)
 - International and national regulations (IMDG, ADR, IATA, OSHA)
 - Roles and responsibilities of personnel handling dangerous goods
 - Introduction to documentation and labeling requirements
 - Practical exercise: Identifying dangerous goods from examples

DAY TWO:

HAZARD IDENTIFICATION AND RISK ASSESSMENT

- ❖ **Recognizing Hazards and Evaluating Risk in Operations**
 - Types of hazards: physical, chemical, and environmental
 - Risk assessment methodology for dangerous goods
 - Safe storage practices and segregation requirements
 - Packaging requirements and compatibility considerations
 - Workshop: Conducting a mock hazard assessment in a warehouse
 - Practical exercise: Evaluating risk scenarios

DAY THREE:

HANDLING, PACKAGING, AND TRANSPORTATION

- ❖ **Safe Practices for Moving and Storing Dangerous Goods**
 - Safe handling techniques for different classes of goods
 - Packaging requirements and container selection
 - Loading, unloading, and transportation procedures
 - Labeling, placarding, and marking compliance
 - Vehicle and warehouse safety measures
 - Case study: Incident analysis in transportation of hazardous materials

DAY FOUR:

EMERGENCY RESPONSE AND INCIDENT MANAGEMENT

- ❖ **Preparing for and Responding to Dangerous Goods Incidents**
 - Emergency planning and response protocols
 - Spill containment and cleanup procedures
 - Fire prevention and firefighting considerations for hazardous materials

- First aid and medical response for chemical exposure
- Incident reporting and documentation
- Exercise: Simulated emergency response scenario

DAY FIVE:

AUDITING, SAFETY IMPROVEMENT, AND BEST PRACTICES

- ❖ **Strengthening Dangerous Goods Management Systems**
 - Conducting audits and inspections for compliance
 - Developing and implementing standard operating procedures (SOPs)
 - Continuous improvement and lessons learned from incidents
 - Training and awareness programs for staff
 - Best practices for long-term hazardous materials management
 - Final group presentation: Comprehensive dangerous goods handling case analysis
- ❖ Course Conclusion
- ❖ POST-ASSESSMENT and EVALUATION

Training Methodology:

This interactive training course includes the following training methodologies as a percentage of the total tuition hours:

- 30% Lectures, Concepts, Role Play
- 70% Workshops & Work Presentations, Techniques, Based on Case Studies & Practical Exercises, Gamification, Software & General Discussions
- Pre and Post Test

Training Certificate(s):

CMCT Internationally recognized certificate(s) will be issued to each participant who completed the course.

Training Fees:

TBA as per the course location - This rate includes participant's manual, hand-outs, buffet lunch, coffee/tea on arrival, morning & afternoon of each day.

Note: The 5% VAT (Value Added Tax), will be effective starting 01st of January 2018 as per the new regulation from the UAE Government. The VAT applies for all quotation both for local and abroad.

Training Timings:

Daily Timings:

07:45 - 08:00	Morning Coffee / Tea
08:00 - 10:00	First Session
10:00 - 10:20	Recess (Coffee/Tea/Snacks)
10:20 - 12:20	Second Session
12:20 - 13:00	Recess (Prayer Break & Lunch)
13:00 - 14:00	Last Session

For training registrations or in-house enquiries, please contact:

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