



TRANSPORTATION OF DANGEROUS GOODS BY ROAD TRAINING



MTBM Group Sdn. Bhd. (1600656-M)

Level 8, MCT Tower, Sky Park, One City, Jalan USJ 25/1, 47650 Subang Jaya, Selangor

Course Title: Transportation of Dangerous Goods By Road Training

Course Validity: 2 Days

Validity: Not Applicable

HRD Corp Scheme: Claimable

INTRODUCTION:

This training provides participants with essential knowledge and competence required for the safe transportation of dangerous goods (DG) by road. The programme covers DG classification, hazard communication, vehicle and driver requirements, documentation, handling practices, spill and emergency response, and legal compliance with the Road Transport Act, DOSH chemical regulations, and international UN/ADR guidelines. Participants will learn safe and responsible practices to prevent accidents, protect the environment and comply with regulatory expectations.

OBJECTIVE(S):

- Understand classes and categories of dangerous goods.
- Apply hazard communication requirements (GHS, labels, placards).
- Comply with national road transport laws & international DG standards.
- Conduct vehicle and container inspections for DG transportation.
- Handle, secure and segregate dangerous goods safely.
- Prepare and check DG transport documentation.
- Respond effectively to spills, leaks and roadside emergencies.
- Strengthen DG awareness and communication among transport personnel.

TARGET GROUP(S):

- Drivers transporting dangerous goods
- Logistics & Transport Personnel
- Warehouse & Dispatch Teams
- Supervisors & Line Leaders
- OSH Practitioners (SHO/SSS)
- Emergency Response Team (ERT)
- Anyone involved in chemical transport activities

ENTRY REQUIREMENT(S):

- Able to read and communicate in Malay/English
- Preferably with a valid driving licence (commercial drivers)

TOPIC(S):

1. Introduction to Dangerous Goods (DG) Transport Safety
2. Regulatory Requirements (Road Transport Act, DOSH, UN Recommendations/ADR)
3. DG Classes, Categories & Hazard Characteristics
4. DG Labelling, Marking, Placarding & Documentation
5. Packaging, Segregation & Load Securement
6. Vehicle Requirements, Inspection & Equipment
7. Driver Responsibilities & Safe Driving Practices
8. Handling, Loading & Unloading of DG
9. Emergency Response, Spill Management & Incident Procedures
10. Case Studies & Practical Demonstrations

LIST OF REFERENCE BOOK(S):

- UN Recommendations on the Transport of Dangerous Goods
- Malaysian Road Transport Act (APJ 1987)
- DOSH Regulations & Chemical Handling Guidelines
- ADR (European Agreement concerning the International Carriage of Dangerous Goods by Road)
- ISO 39001 Road Traffic Safety Management Guidelines

LIST OF TEACHING AID(S):

- LCD projector
- DG labels, placards & sample documentation
- Vehicle inspection checklist
- Spill kit demonstration items
- Flip chart / whiteboard

METHODOLOGY(S):

- Interactive lecture
- Group discussion
- Case studies
- Demonstrations
- Scenario-based activities

TRAINING SCHEDULE

Day 1

| Time | Activity / Topic |
|---------------------|---|
| 8:30 am – 9:00 am | Registration & Introduction |
| 9:00 am – 10:15 am | Topic 1: Introduction to DG Transport Safety |
| 10:15 am – 10:30 am | Morning Tea Break |
| 10:30 am – 12:30 pm | Topic 2: Legal Requirements & DG Classification |
| 12:30 pm – 1:30 pm | Lunch Break |
| 1:30 pm – 3:30 pm | Topic 3: DG Labelling, Marking & Documentation |
| 3:30 pm – 3:45 pm | Afternoon Tea Break |
| 3:45 pm – 5:00 pm | Topic 4: Packaging, Segregation & Load Securement |

Day 2

| Time | Activity / Topic |
|---------------------|---|
| 8:30 am – 9:00 am | Recap of Day 1 |
| 9:00 am – 10:15 am | Topic 5: Vehicle Requirements & Driver Responsibilities |
| 10:15 am – 10:30 am | Morning Tea Break |
| 10:30 am – 12:30 pm | Topic 6: Handling, Loading & Unloading of Dangerous Goods |
| 12:30 pm – 1:30 pm | Lunch Break |
| 1:30 pm – 3:30 pm | Topic 7–8: Emergency Response, Spill Management & Incident Procedures |
| 3:30 pm – 3:45 pm | Afternoon Tea Break |
| 3:45 pm – 5:00 pm | Topic 9–10: Case Studies, Practical Demonstrations & Final Review |