

Course Length: 1.5 hours

Course Objective:

- DOT 49 CFR 171-180 (formerly HM-126F) Hazardous Chemical Transportation is required for employees who select or fill hazardous material packages, label containers, complete shipping papers, load or unload vehicles, trainload hazardous materials, or operate vehicles used in the transport of hazardous materials.

Course Design:

- Narrated e-learning modules

Successful Course Completion:

- Requires successful completion of knowledge assessment.

Course Outline:

About HAZMAT

- Hazardous Material Transportation Act (HMTA)
- Hazardous Material Regulations
- Enforcement Authorities
- Penalties
- Hazmat Training Requirements
- HAZMAT Definitions
 - Hazardous Material
 - HAZMAT Employee
 - Cycle of Transportation
 - Shipper
 - Hazardous Substance
 - Reportable Quantity (RQ)
 - Marine Pollutant
- Hazard Classes
 - Class 1 – Explosives
 - Class 2 – Compressed Gases
 - Class 3 – Flammable Liquids
 - Class 4 – Flammable Solids
 - Class 5 – Oxidizers and Organic Peroxides
 - Class 6 – Poisonous and Infectious Materials
 - Class 7 – Radioactive Materials
 - Class 8 – Corrosive Materials
 - Class 9 – Miscellaneous Hazardous Materials
- Precedence of Hazard Table
- Video: HAZMAT Drivers
- Five Steps to HAZMAT Compliance

Step 1 – Classification

- Obtain Shipping Description
- Review the Hazardous Material Table
 - Column 2 - Material Description, Proper Shipping Name
 - Column 3 – Hazard Class/Division
 - Column 4 – Identification Numbers

Step 2 – Packaging

- General Packaging Requirements
- Review Hazardous Material Table
 - Column 5 – Packing Groups
 - PG I, II, III
 - Column 7 – Special Provisions
 - Column 8 – Packaging Requirements
- UN Specification Codes
 - Example on Box and Drum
- Performance Orientation Packaging Example

Step 3 – Marking/Labeling

- Marking Requirements
- Marking Examples
- Labeling Requirements
- Labeling Examples
- Labeling Requirements cont.
- Additional Labels on Package
- Additional Container Markings

Step 4 – Shipping Papers

- General Requirements
- Shipping Paper Examples
- Additional Requirements
- Shipper's Certification
- Hazardous/Non-Hazardous Materials
- Accessibility
- Retention
- Emergency Response Information
- Emergency Response Guidebook
 - Define colored sections

Step 5 – Placarding

- General Requirements
- Placard Examples

- Required Size
- Placard Determination
 - Non-Bulk
 - Bulk
- Placarding Empty or Unpurged Tanks
- Placard Location/Visibility
- Placard Flow Chart

HAZMAT Safety

- Loading/Unloading HAZMAT
- Review HAZMAT Segregation Charts
- Carrier Requirements
 - Highway
 - Air
 - Rail
 - Water
- Vessel Segregation Chart

HAZMAT Security Awareness

- Training Requirements
- Awareness
- Recognition
- Potential Targets
- Security Risks
- Security Checklist
- Security Plans

Post Training Evaluation:

- The employer shall ensure that each employee is evaluated to confirm that he/she understands the information provided in the training.

Reference Material / Documents:

DOT 49 CFR 171-180

M&A Safety Services training conforms to OSHA CBT Training standards and ANSI Z490.1. Criteria for Accepted Practices in Safety, Health and Environmental Training. M&A Safety Services LLC. follows all ANSI training criteria.

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