



Hazardous Materials Transportation Outline (49 CFR 172.704 HM 181, 126F and 215 A&B)

Overview

This one day course covers the training requirements of 49 CFR 172.704 which requires **any** person involved in offering a hazardous material for transportation to be properly trained. The course must be refreshed every 3 years and employees may not perform materials functions unsupervised until the training has been completed. The course takes a unique " 10 step approach " to proper hazardous materials transportation handling. Each element is explained along with examples of what to do and **what not to do**.

All sections of the course contain hands on exercises for each stage of preparing and shipping hazardous materials.

Who is required to have this training ???

Anyone involved in selecting a package, marking a container, applying a label, preparing paperwork (e.g. Bills of Lading, Manifests etc.) or handling a hazardous material.

Program Outline

Section 1-Opening

- A. Course Overview and Introduction

Section 2 - Training

- A. Training Requirements
 - 1. 49 CFR 172.704

Section 3-Classifications

- A. Hazard Classes
 - 1. Class 1-9
 - 2. Divisions
 - 2. ORM-D
 - 3. Packing Groups

Section 4-Hazardous Materials Tables

- A. 49 CFR 172.101
- B. Hazardous Substance Table
- C. Radionuclides
- D. Marine Pollutants

Section 5- Packaging

- A. Types of packaging
- B. Non-bulk packaging
- C. Bulk packaging

Section 6 - Marking

- A. Non-bulk markings

- B. Bulk Markings
- C. Cylinders

Section 7-Labeling

- A. What is a label?
- B. Types of labels
- C. Placement of labels

Section 8-Loading and Storage

- A. Loading and Storage Procedures
- B. Segregation Procedures
 - 1. Segregation Distances
 - 2. Segregation Chart
 - 3. Compatibility Chart

Section 9-Placarding

- A. What are placards?
- B. Placard Specifications
- C. Placarding Chart

Section 10-Shipping Documents

- A. DOT Requirements
- B. Proper descriptions
- C. NOS-Not otherwise specified
- D. Reportable quantities
- E. ORM-D
 - 1. Continuation Sheet 8700a

Section 11-Hazardous Waste

- A. What is hazardous waste?
- B. Uniform Hazardous Waste Manifest
- C. Hazardous Waste Markings
- D. Hazardous Waste Tables

Section 12-Incident Reporting

- A. National Response Center
 - 1. When to report.

Section 13-Emergency Response Guidebook

- A. Yellow Section
- B. Blue Section
- C. Orange Section
- D. Green Section

Section 14-Security

- A. 49 CFR 172.704 Security Requirements
- B. Personnel security
- C. Facility security
- D. En-route security
- E. Written requirements-49 CFR 172.800

Final Examination