

COURSE OUTLINE

DOT HAZARDOUS MATERIALS TRANSPORTATION (1 Day)

49 CFR 172.704



Overview:

This one day course covers the training requirements of 49 CFR 172.704, providing learners with a general awareness of DOT's requirements for transporting hazardous materials, along with the key elements needed to facilitate the hazardous materials transportation. This course also includes information regarding Security Awareness, as defined in 49 CFR 172.800(b).

Course Outline:

SECTION 01: HAZARDOUS MATERIALS BASICS

1. INTRODUCTION
 - A. Federal Regulations
 - B. Defining Hazardous Materials
 - C. Reporting a Hazardous Materials Incident
2. TRAINING AND RECORDKEEPING REQUIREMENTS
 - A. Training Requirements
 - B. Required Training Content
 - C. Security Awareness and In-Depth Security
 - D. Recordkeeping Requirements for HazMat Transportation

SECTION 02: SHIPMENT IDENTIFICATION

HAZARD CLASSES

- A. Hazard Classification
- B. Hazard Classes and Divisions
- C. Additional Categories
- D. Packing Group

HAZARDOUS MATERIALS TABLE

- A. The Hazardous Materials Table
- B. HMT Appendices
- C. The Emergency Response Guide

SECTION 03: SHIPMENT PREPARATION

1. HAZARDOUS MATERIALS PACKAGING
 - A. Packaging Definitions
 - B. Specification Markings

2. HAZARDOUS MATERIALS MARKINGS

- A. Marking Requirements
- B. General Marking Requirements for Non-Bulk Packages
- C. General Marking Requirements for Bulk Packages
- D. Other Marking Requirements

3. HAZARDOUS MATERIALS LABELING

- A. Labeling Hazardous Materials for Transport
- B. Additional Labeling Requirements
- C. Label Specifications

4. LOADING AND SEGREGATION

- A. Regulations for Loading and Segregating Hazardous Materials for Transport

5. PLACARDING

- A. Placarding
- B. General Placarding Requirements
- C. Additional Placarding Exceptions
- D. Bulk Packagings: Placarding Exceptions for Smaller Bulk Packagings
- E. General Specifications for Placards

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6. SHIPPING PAPERS
 - A. Shipping Papers
 - B. Preparation and Retention of Shipping Papers
 - C. Description of Hazardous Materials on Shipping Papers
 - D. Additional Description Requirements
 - E. Additional Shipping Requirements
7. HAZARDOUS WASTE
 - A. Hazardous Wastes as Hazardous Materials
 - B. How EPA Designates Hazardous Wastes
 - C. How an EPA Waste Ships under DOT
 - D. Uniform Hazardous Waste Manifests
 - E. Transporter of Hazardous Waste

