

DOT Hazardous Materials Training Outline

The Hazardous Materials Regulations (HMR) are contained in 49 CFR parts 171 through 180. Research and Special Programs Administration (RSPA) amended the HMR in conformance with amendments to the Federal Hazardous Materials Transportation Law that required Department of Transportation to regulate the training of all hazardous materials (hazmat) employees. Training meeting the requirements in 49 CFR 172.704; including General Awareness and Familiarization, Function Specific, Safety and Emergency Response, and Security Awareness, will increase a hazmat employee's safety awareness and be an essential element in reducing hazmat incidents. This training course will meet both your initial and triennial refresher training requirements.

I. Introduction and general overview of required DOT training

- a. Scope
- b. Definitions
- c. Applicability
- d. Training Requirements
- e. Classification of Hazardous Material
- f. Hazards Classes and Divisions
- g. Packing Groups

II. The Hazardous Materials Table

- a. Columns in table
- b. Symbols
- c. Proper Shipping Name
- d. Hazard Classes
- e. Identification Numbers
- f. Packing Groups
- g. Label Codes
- h. Special Provisions
- i. Packaging
- j. Quantity Limitations
- k. Vessel Stowage

III. Packaging

- a. Requirements
- b. Selection
- c. Performance Oriented Packaging
- d. Exceptions
 - i. Limited Quantity
 - ii. Consumer Quantity
 - iii. Combustible Liquids
- e. Exemptions
- f. Definitions of Bulk and Non-Bulk containers

IV. Shipping Papers

- a. Purpose
- b. Required Information
- c. Completion
- d. Emergency Response Information
- e. Shipper's Certification

V. Markings

- a. Requirements
 - i. Bulk
 - ii. Non-Bulk

VI. Labeling

- a. Purpose
- b. Specifications
- c. Requirements

VII. Placards

- a. Requirements
- b. Choosing Placards

VIII. Emergency Response Information

- a. Requirements
- b. Emergency Response Guide Book Overview
- c. Reporting Requirements

IX. Loading and Load Segregation

- a. Requirements
- b. Segregation Table

X. Safety and Security Awareness

- a. General Safety Measures
- b. Security Plan Awareness

XI. Test

Course Materials

DOT Hazmat Regulations
Emergency Response Guide Book pdf
DOT Guide Sheets
DOT Hazmat Test
Certificate of Course Completion