Introduction to Hazardous Materials Transportation Training
Regulations

• The U.S. Department of Transportation (DOT) requires hazardous materials (hazmat) employees who handle hazmat for transport to be trained in accordance with the Hazardous Materials Regulations (HMR), Title 49 of the Code of Federal Regulations (CFR).

• Employees must be familiar with:
  • General provisions of the HMR
  • Recognition and identification of hazmat
  • Requirements applicable to the employee’s duties
  • Emergency response requirements
  • Methods of self-protection
  • Accident prevention methods
Regulations

• The hazmat employer is responsible for providing training in accordance with the HMR.

• The hazmat employer is responsible for testing employees on the HMR.
Training

Five training modules have been prepared to satisfy hazmat transportation training requirements. These modules are:

- Materials of Trade training
- General Awareness training
- Function-Specific training
- Safety training
- Security Awareness training
Training

• Less training is required when transporting hazmat under the Materials of Trade regulations. The Materials of Trade module includes:
  • Identification of common hazmat
  • Container requirements
  • Incompatible materials

• Testing for the Materials of Trade regulations is not required, but is encouraged.
If hazmat being transported exceeds the Materials of Trade regulations, the driver must have completed the four additional training modules (General Awareness, Function-Specific, Safety, and Security Awareness) and have passed a written test.
Training Objectives

• General Awareness
  • Acquaint employees with general DOT requirements.
  • Recognize and identify hazmat using hazard communication methods.

• Function-Specific
  • Address the HMR and exemptions that apply directly to each employee’s job tasks.
Training Objectives

• Safety
  • Provide employees with emergency response information.
  • Describe measures to protect employees from the hazards of materials they transport.
  • Describe methods to avoid accidents.

• Security Awareness
  • Identify hazmat security risks.
  • Improve transportation security.
  • Demonstrate how to recognize and respond to security threats.
Required Training

• Training is required for all employees who transport, prepare for transport, load, unload, handle, or are responsible for the safety of hazmat being transported.

• In addition to the modules included in this training, employees are required to take U.S. Occupational Safety and Health Administration (OSHA) Hazard Communication training. Employees who transport large amounts of hazmat may need a commercial driver’s license (CDL).
# Required Training

The table below indicates the training requirements for transporting specific quantities of hazmat.

<table>
<thead>
<tr>
<th>Amount of Hazmat To Be Transported</th>
<th>OSHA Hazard Communication</th>
<th>Materials of Trade</th>
<th>General Awareness</th>
<th>Function-Specific</th>
<th>Safety</th>
<th>Security Awareness</th>
<th>Driver Training (CDL)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Containers 8 gallons or smaller and total hazmat weight of 440 pounds or less in a single vehicle</td>
<td>X</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Any container larger than 8 gallons* or total hazmat weight of more than 440 pounds in a single vehicle</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Any container larger than 119 gallons or total hazmat weight of more than 1,001 pounds in a single vehicle</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
</tbody>
</table>

*Except diesel. Only OSHA Hazard Communication and Materials of Trade training is required when transporting diesel in containers up to 119 gallons in size.
Initial and Refresher Training

• Employees must be trained within 90 days of employment.
  • Employees may perform hazmat transportation functions before completing training if they are under the direct supervision of a properly trained and knowledgable employee.
  • Training received from a previous employer may satisfy the training requirements if a record of training is available.
• Refresher training must be completed at least once every 3 years.
Training Records

• Hazmat transportation training records must be kept.
  • Maintain records between the 3-year training cycles.
  • Retain records for 90 days past the last date of employment.

• Records must include:
  • Employee’s name
  • Date of most recent training
  • Description, copy, or location of materials used during training
  • Name and address of trainer
  • Certification of training
Testing

Employees who are required to take training other than OSHA Hazard Communication and Materials of Trade must be tested on their knowledge of hazmat transportation.
Additional Resources

• DOT hazmat Web site:
  • [http://phmsa.dot.gov/hazmat](http://phmsa.dot.gov/hazmat)

• Interagency Transportation Guide for Gasoline, Mixed Gas, Drip-Torch Fuel, and Diesel (PMS 442):
Summary

• The DOT requires hazmat employees to be trained in accordance with the HMR.
• The employer is responsible for training and testing hazmat employees.
• Less training is required when transporting hazmat under the Materials of Trade regulations.
• OSHA Hazard Communication and CDL training are not covered in this training presentation.