BUTTERFLY TRAINING



# Hazmat Ground Shippers Certification

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HAZMAT-GS-DOT

## Description

**Description**

This comprehensive training program provides ground shippers with the vital knowledge and skills required to safely classify, package, mark, label, and document hazardous materials.

Based on current DOT (49 CFR), this course guides learners step-by-step through the hazmat shipping cycle—from initial hazard identification to loading, emergency response, and security awareness.

**Target Audience**

Shippers, Carriers of hazardous materials.
A partial list of employees who are likely to fit these definitions includes:
- Anyone who operates any vehicle or equipment used to transport hazardous materials;
- Anyone who directly supervises those performing any of the above activities also needs to be trained;
- Anyone who:
-> Classifies hazardous materials (analyzes or researches literature);
-> Reads or interprets hazardous materials regulations;
-> Assigns packing groups or hazard zones;
-> Signs a hazmat shipping paper or hazardous waste manifest;
-> Determines if a material is a hazardous waste or hazardous substance (determines RQs);
-> Determines any markings or labels to be applied to a package;
-> Is involved in selecting shipping descriptions;
-> Designs, selects, purchases, or fills packages;
-> Loads or unloads hazardous materials (e.g., warehouses or loading docks);
-> Selects carriers or modes of transportation to be used;
-> Determines if a package can be reused, if a package is empty, or if a package needs reconditioning (e.g., tank cars, cargo tanks, and drums);
-> Determines if placards are required, provides placards, or affixes placards;
-> Determines what should appear on shipping papers or actually fills out shipping papers;
-> Determines emergency response information to be included with shipping papers;
-> Responds to damaged containers, spills, or leaks and reports incidents.

In addition, hazmat employers must also assure that anyone performing any regulated function on their behalf, such as a contractor, has been fully trained before they begin their work.

**Objective**

By the end of this training program, participants will be able to:

- Navigate the Regulations;
- Classify Hazardous Materials;
- Identify Proper Shipping Names;
- Select Authorized Packaging;
- Apply Markings and Labels;
- Prepare Compliance Documentation;
- Execute Safe Handling & Loading;
- Respond to Incidents & Security Risks.

**Duration**
12 hours

**Syllabus**
- Introduction
- Dealing with the regulations
- Applicability
- Dealing with the regulations: Additional procedures
- Scope of the Regulations
- Hazmat training
- Hazard classification
- Forbidden materials
- Material trade of exception
- Determining hazard classes or divisions
- Determining packing groups
- Additional classification criteria
- Selecting Proper Shipping Names
- Packaging definitions and terminology
- General packaging requirements
- UN specification markings
- Selecting authorized packaging
- Exceptions
- Special provisions
- Reusing packagings
- Managing empty packagings
- Marking and labeling: Non-bulk packages
- Marking and labeling: Non-bulk packages- Additional requirements
- Marking: Bulk packages and transport vehicles
- Marking: Bulk packages and transport vehicles- Additional requirements
- Preparing shipping papers
- Preparing shipping papers: Additional requirements
- Placarding
- Loading, handling and unloading hazardous materials
- Emergency Response Information (ERI)
- Reporting hazmat incidents
- Hazmat security awareness
- Final test

## Exam conditions

**Final test**

The final test takes the form of an unsupervised online questionnaire. The minimum pass rate is 70% correct answers.

- If the rate is between 60% and 70%, the participant may revise all or part of the training and take the assessment again.
- If the rate is less than 60%, the participant will have to be re-registered and take the full training again.

## Certification

**Certification**

If participants pass the final test, they will be issued with an electronic certificate.

**Validity**

3 years