

# Shipping Flammable and Non-flammable Gases By Ground and Air

This course includes but is not limited to the following topics.

## **Lesson 1 – Introduction and Applicability**

Introduction, Applicability  
What are hazardous materials/dangerous goods?  
To whom do the regulations apply?  
Shipper's responsibilities  
Operator's (Carrier's) responsibilities  
Training requirements

## **Lesson 2 – Classification**

The nine classes of hazardous materials/dangerous goods  
Determining the Division  
Gas definition (49 CFR)  
Gas definition (IATA DGR)  
Environmental Hazards

## **Lesson 3 – Specification Packaging**

What is Specification Packaging?  
Table 1 – Specifications for Inside Containers and Cylinders  
DOT Specification Cylinders  
UN Specification Cylinders  
Notification

## **Lesson 4 – Shipping Gas using 49 CFR**

The Process, Definitions, Identification  
§172.101 – The Hazardous Materials Table - excerpt  
Marking and Labeling  
Overpacks  
Shipping Papers  
Placarding

## **Lesson 5 – Shipping Gas using the IATA Regulations**

The Process, Identification  
List of Dangerous Goods - Excerpt  
Variations  
Marking and Labeling  
Overpacks  
Documentation  
Numerical Cross-Reference List