

Shipping Toxic Solids and Liquids by Ground, Air and Ocean

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
Penalties, Training requirements

Lesson 2 – Classification

The nine classes of hazardous materials/dangerous goods
Determining the Packing Group, Materials Poisonous by Inhalation
Toxic Solid and Liquid definitions by mode
Environmental Hazards

Lesson 3 – Specification Packaging

What is Specification Packaging?
Requirements for UN Specification Packaging by Regulatory Reference
of UN Specification Packagings, Marking of UN Specification Packaging
Standards for Types of Packaging, Testing of UN Specification Packaging
Drop Test Heights, Exception from Testing (Variation Packaging), Notification

Lesson 4 – Shipping Toxic Solids and Liquids using 49 CFR

The Process, Structure of 49 CFR, Definitions, Identification
§172.101 – The Hazardous Materials Table - excerpt
General Requirements for Packagings and Packages
Marking and Labeling, Marking and Labeling Overpacks
Documentation, Placarding

Lesson 5 – Shipping Toxic Solids and Liquids using the IATA Regulations

The Process, Structure of the IATA Dangerous Goods Regulations
Identification, List of Dangerous Goods - Excerpt
Packing Instruction 655, Packing Instruction 663
Variations, General Packing Requirements, Marking and Labeling
Documentation, Dangerous Goods in Excepted Quantities

Lesson 6 – Shipping Toxic Solids and Liquids using the IMDG Code

The Process, Structure of the IMDG Code
Identification, Dangerous Goods List - Excerpt
Marking and Labeling, Marine Pollutants, Documentation, Placarding