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Subj: Hazard Communication Standard – GHS (GHS-HCS-2012)

This web-based training course was developed by ShipMate, Inc., in cooperation with ShipMate™ University.com. This course is intended for those persons and facilities that receive, handle, use, store, transport or dispose of chemical substances and mixtures which pose one or more health, physical or environmental hazards, and whom are regulated by U.S. or States OSHA. This course fulfills the U.S. Occupational Safety & Health Administration's (OSHA) Hazard Communication Standard training requirements and addresses the following lesson topics:

- Chemical Awareness
- OSHA's Hazard Communication Standard
- Globally Harmonized System of Classification and Labeling of Chemicals
- Chemical Classification
- Chemical Labeling
- Safety Data Sheets
- Workplace Chemical Safety
- Training Requirements

In addition, the following subjects are address in detail:

- Employer & Employee Responsibilities
- Safety Data Sheet Availability, Format & Maintenance Requirements
- Chemical Safety management Systems
- Industry Best Management Practices

You should print and maintain a copy of this course syllabus and overview on file at your facility. It is recommended that you provide a copy of this document in the event of a regulatory agency (e.g., DOT) inspection.

This course does not address all of the chemical-specific training that may be required. This course is designed to fulfill the Hazard Communication Standard (Right-to-Understand) training requirements but should be supplemented with company-specific and chemical-specific training (e.g., location of Safety Data Sheets, process controls, etc.)

If you have any questions regarding this or other dangerous goods training programs, or need any assistance, please call the course authors, ShipMate, Inc. at +1 (310) 370-3600.

Respectfully,

Steven Charles Hunt
ShipMate, Inc.

Web-Based Training (WBT)
Hazard Communication Standard – GHS (GHS-HCS-2012)

Module 1

Introduction

Lesson 1	Training Overview
Lesson 2	Navigation
Lesson 3	Program Features
Lesson 4	Assessments & Certification
Lesson 5	Additional Information

Module 2

Chemical Awareness

Lesson 1	Chemicals in the Workplace
Lesson 2	Chemical Safety in the Workplace
Lesson 3	Chemical Hazards
Lesson 4	Physical, Health and Environmental Hazards
Lesson 5	Workplace Exposure
Lesson 6	Routes of Exposure
	Learning Assessment

Module 3

OSHA HazCom Standard

Lesson 1	Regulatory Requirements
Lesson 2	Hazard Communication Standard History
Lesson 3	HCS2012 Key Sections
Lesson 4	Scope & Application
Lesson 5	Definitions
Lesson 6	Hazard Classification
Lesson 7	Written Hazard Communication System
Lesson 8	Product Labeling
Lesson 9	Safety Data Sheets
Lesson 10	Training
Lesson 11	Trade Secrets
Lesson 12	Effective Dates

Module 4

Globally Harmonized System for Classification and Labeling of Chemicals

Lesson 1	GHS History
Lesson 2	Globally Harmonized System (GHS)
Lesson 3	Main Elements of the GHS

- Lesson 4 Relationship Between GHS and HCS
- Lesson 5 Benefits of GHS
- Lesson 6 Applying GHS in the Workplace

Learning Assessment

Module 5 Chemical Classification

- Lesson 1 Main Elements of the GHS Classification System
- Lesson 2 Physical Hazards
- Lesson 3 Health Hazards
- Lesson 4 Environmental Hazards (informational purposes)
- Lesson 5 Hazards Not Otherwise Classified (HNOC)
- Lesson 6 Hazard Categories
- Lesson 7 Health Hazard Categories
- Lesson 8 Physical Hazard Categories
- Lesson 9 Environmental Hazard Categories (informational purposes)
- Lesson 10 Classification of Substances & Mixtures
- Lesson 11 Bridging Principles

Learning Assessment

Module 6 Chemical Labeling

- Lesson 1 GHS Labeling Elements
- Lesson 2 Product Identifier
- Lesson 3 Supplier Identification
- Lesson 4 Signal Word
- Lesson 5 Pictograms
- Lesson 6 Precedence of Hazard
- Lesson 7 Hazard Statements
- Lesson 8 Precautionary Statements & Pictograms
- Lesson 9 Label Elements
- Lesson 10 Product Label Interactive Exercises
- Lesson 12 Workplace & Process Containers
- Lesson 13 HCS Chemical Labeling Exceptions
- Lesson 14 DOT-GHS Product label Clarification

Learning Assessment

Module 7 Safety Data Sheets

- Lesson 1 Availability & Access
- Lesson 2 SDS Harmonized Format

Lesson 3	Section 1 – Product & Company Identification
Lesson 4	Section 2 – Hazards Identification
Lesson 5	Section 3 – Composition & Information on ingredients
Lesson 6	Section 4 – First Aid Measures
Lesson 7	Section 5 – Firefighting Measures
Lesson 8	Section 6 – Accidental Release Measures
Lesson 9	Section 7 – Handling & Storage
Lesson 10	Section 8 – Exposure Controls/personal Protection
Lesson 11	Section 9 – Physical & Chemical Properties
Lesson 12	Section 10 – Stability & Reactivity
Lesson 13	Section 11 – Toxicological Information
Lesson 14	Section 12 – Ecological Information
Lesson 15	Section 13 – Disposal Considerations
Lesson 16	Section 14 – Transport Information
Lesson 17	Section 15 – Regulatory Information
Lesson 18	Section 16 – Other Information
Lesson 19	Safety Data Sheets Interactive Exercises
Lesson 20	SDS Availability, Maintenance & Review

Learning Assessment

Module 8

Workplace Chemical Safety

Lesson 1	Chemical Safety Management System Benefits
Lesson 2	Chemical Safety Management System Elements
Lesson 3	Industry Best Management Practices
Lesson 4	Additional Resources

Learning Assessment

Module 9

Training

Lesson 1	Training Requirements
Lesson 2	Training Benefits
Lesson 3	Other Training Requirements
Lesson 4	Training Recommendations

Certification Exam