
Course Syllabus:

GHS-2012

HazCom 2012 - Hazard Communication Standard



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Overview

The Globally Harmonized System (GHS) of Classification and Labeling of Chemicals is an internationally recognized system for communicating the hazards associated with chemical substances that pose a risk to our health or safety.

The GHS has been adopted in part by the U.S. Occupational Safety & Health Administration (OSHA).

Goals

The objectives of the ShipMate® University GHS Hazard Communication Web-Based Training program are to:

- help you understand the physical and health hazards associated with chemicals used, handled or stored in your workplace;
- familiarize you with the requirements of OSHA's Hazard Communication Standard and the Globally Harmonized System of Classification and Labeling of Chemicals;
- introduce you to the standardized symbols and pictograms, and hazard and precautionary statements used on product labels;
- familiarize you with the sections of the standardized Safety Data Sheet (SDS); and
- explain the responsibilities of the employer and employee with respect to hazard identification, chemical management, precautionary measures, hazard communication and training.

Lesson Topics

Module 1 – Introduction

Introduction
Course Overview
Course Objectives
Navigation
WBT Library
Glossary
Learning Assessments
Additional Information

Module 2 – Chemical Awareness

Chemicals in the Workplace
Chemical Safety in the Workplace
Chemical Hazards
Physical Hazards
Health Hazards
Environmental Hazards
Routes of Exposure
Module 2 - Learning Assessment

Materials

Computer (PC, laptop)
Internet Connection: High Speed

Requirements

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., OSHA) inspection.

Evaluation

Upon completion of the course of instruction, a comprehensive examination will be offered. In order to earn a Certificate of Completion, you must receive at least 80% on the exam. The exam is comprised of at least 10 questions, randomly selected from a database of questions and address each of the lesson topics covered in the course.

Lesson Topics – cont'd

Module 3 – OSHA's Hazard Communication Standard

- Regulatory Requirements
- HazComm Standard - History
- HCS 2012 Key Sections
- Module 3 - Learning Assessment

Module 4 – Globally Harmonized System of Classification & Labeling of Chemicals

- GHS History
- Globally Harmonized System
- Main Elements of the GHS
- Relationship Between GHS and HCS
- Benefits of GHS
- Applying GHS in the Workplace
- Module 4 - Learning Assessment

Module 5 – Chemical Classification

- Main Elements of GHS Classification System
- Physical Hazards
- Health Hazards
- Environmental Hazards
- Hazard Not Otherwise Classified
- Hazard Categories
- Hazard Category Building Blocks
- Classification of Substances and Mixtures
- Bridging Principles
- Module 5 - Learning Assessment

Module 6 – Chemical Labeling

- GHS Labeling Elements
- Product Identifier
- Supplier Identification
- Signal Word
- Pictograms
- Precedence of Hazard
- Hazard Statements
- Precautionary Statements
- Hazard and Precautionary Statements
- Precautionary Pictograms
- Label Elements
- Workplace & Process Containers
- HCS Chemical Labeling Exceptions
- DOT-GHS Product Label Clarification
- Module 6 - Learning Assessment

Module 7 – Safety Data Sheets

- Safety Data Sheet Access
- Safety Data Sheet Format
- Safety Data Sheet Availability
- Safety Data Sheet Maintenance
- Safety Data Sheet Review
- Module 7 - Learning Assessment

Module 8 – Workplace Chemical Safety

- Chemical Safety Management System Benefits
- Chemical Safety Management System Elements
- Industry Best Management Practices

Additional Resources
Module 8 - Learning Assessment

Module 9 – Training Requirements

Training Requirements
Training Benefits
Other Training Requirements
Training Recommendations
Module 9 - Learning Assessment

Final Exam Preparation

Certification Exam Code