

Globally Harmonized System for Chemical Classification





Globally Harmonized System for Chemical Classification

Ref: 32120_138734 Date: 08 - 12 Sep 2025 Location: Toronto (Canada) Fees: 4700 Euro

Course Description

This intensive 5-day course provides a comprehensive understanding of the Globally Harmonized System GHS for chemical classification and labeling. Participants will learn GHS principles, hazard classification criteria, labeling requirements, and safety data sheet SDS preparation. The course combines theoretical knowledge with practical exercises to ensure effective implementation of GHS in the workplace.

Learning Objectives

- Understand the purpose and key elements of the Globally Harmonized System
- Apply GHS criteria for classifying physical, health, and environmental hazards
- Create GHS-compliant labels and safety data sheets
- Implement GHS requirements in workplace hazard communication programs
- Interpret and use GHS information for safe chemical management

Course Modules

Day 1: Introduction to GHS

- Overview of GHS and its global implementation
- GHS hazard classification principles
- Physical hazards classification
- Health hazards classification

Day 2: Environmental Hazards and Mixtures

- Environmental hazards classification
- Classification of chemical mixtures
- Using bridging principles and calculation methods
- Practical exercises in hazard classification

Day 3: GHS Labeling Requirements

- GHS label elements and format
- Pictograms, signal words, and hazard statements
- Precautionary statements and supplemental information
- Creating GHS-compliant labels workshop



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Day 4: Safety Data Sheets SDS

- SDS format and 16 sections
- Information requirements for each SDS section
- SDS authoring best practices
- Hands-on SDS preparation exercise

Day 5: GHS Implementation and Communication

- Integrating GHS into workplace hazard communication programs
- Training employees on GHS
- Managing the transition to GHS
- Case studies and problem-solving scenarios

Practical Wins for Participants

- Ability to accurately classify chemicals according to GHS criteria
- Skills to create GHS-compliant labels and safety data sheets
- Strategies for implementing GHS in workplace hazard communication
- Enhanced capacity to interpret and use GHS information for chemical safety



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