

GHS Support

ChemADVISOR is able to provide a wide range of products and services to assist your company in dealing with the Globally Harmonized System of Classification and Labelling of Chemicals (GHS).

GHS Services

Organizational and Consulting Services

ChemADVISOR's consulting group classifies formulations in accordance with the Purple Book as well as in accordance with country specific implementations. The resulting classifications drive the development of a GHS compliant SDS and label.

SDS Authoring

Our regulatory experts can author GHS-compliant Safety Data Sheets for those countries who have implemented, or are in the process of implementing GHS.

GHSAdvisor

The GHSAdvisor is ChemADVISOR's tool for automating your company's compliance with the Purple Book classification system allowing multiple data entry choices.

GHS Regulatory Data

ChemADVISOR's LOLI Database contains data relevant to GHS compliance, such as:

- Published GHS classifications
- Toxicity data
- Ecotoxicity data

GHS Training

ChemADVISOR offers an extensive two day training program on GHS

Upcoming Dates

Pittsburgh, Pennsylvania

February 20-21

November 6-7

Houston, Texas

March 10-11

May 8-9

June 23-24

Philadelphia, Pennsylvania

August 18-19

Brussels, Belgium

October 20-21



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GHS Classification Services

ChemADVISOR can conduct GHS Classifications for formulations in accordance with the Purple Book as well as in accordance with country specific implementations.

Classification of Hazardous Substances and Mixtures According to GHS

Physical Effects

Explosives	Flammable solids, liquids, gases and aerosols
Pyrophoric liquids and solids	Self-heating substances
Oxidizing solids, liquids and gases	Organic peroxides
Self-reactive substances	Water reactive substances
Corrosive to metal substances	Compressed gases

Health Effects

Acute Toxicity	Skin Corrosion/Irritation
Serious Eye Damage/Eye Irritation	Respiratory or Skin Sensitization
Germ Cell Mutagenicity	Carcinogenicity
Reproductive Toxicity	Specific Target Organ Toxicity
Aspiration Hazard	- Single exposure
	- Repeated exposure

Environmental Effects

Acute aquatic toxicity
Chronic aquatic toxicity
Bioaccumulation potential
Rapid degradability

Potential New Hazard End Points

Health and Environmental Effects

Water activated toxicity and corrosivity	Strong versus weak sensitizers
Toxic gas mixtures	Sensitization/induction/elicitation
Cancer/potency and factors	Reproduction/potency
Transformation/dissolution	Ozone depleting substances
Desensitized explosives	Chemically unstable gases
Terrestrial hazards	

GHS Data

The LOLI Database offers extensive GHS-related regulatory data in a variety of categories and data types.

Published GHS Classifications

GHS substance classifications that have been determined by the regulatory authorities. For example:

- Indonesia (Ministry of Education)
- Japan (National Institute of Technology and Evaluation)
- New Zealand (Environmental Risk Management Authority)

Proposed GHS Classifications

GHS substance classifications that have been proposed by regulatory authorities. For example:

- European Union
(Annex VI of the EU proposal for the regulation on classification, labelling and packaging)

Lists of Chemicals Expected to be GHS Classified

Those chemicals of interest that regulatory authorities would expect to be classified. For example:

- Japan
- Taiwan

Submitted GHS Classifications

GHS Classifications that have been submitted to regulatory authorities. For example:

- Australia (NICNAS)

Supplementary Information

The LOLI Database also provides useful information for conducting GHS classifications:

- Toxicological Data
- Eco-toxicological Data
- Physical and Chemical Properties

The worldwide implementation of GHS is an ongoing, dynamic process. In order to stay on top of these changes, you will need to have a tool like the LOLI database at your fingertips. The LOLI database is updated constantly and our LOLI Desktop application allows you to update your database every week.

E-mail us now for more information
on this or any of our other products.
info@chemadvisor.com

GHS Course

This two-day course is designed to provide experienced hazard communication professionals with information on the newly developed Globally Harmonized System. We will cover the following aspects of GHS:

- Development history
- Harmonized classification criteria
- Requirements for the harmonized documents of hazard communication i.e., labeling and (M)SDSs.

Regulatory Coverage

This course covers the history of the global harmonized system and its resultant harmonized classification criteria and labeling and (M)SDS requirements. Students will participate in extensive, practical exercises to classify substances and mixtures.

Pre-Requisites

This course is designed for people who are already familiar with OSHA's Hazard Communication Standard or people who have completed ChemADVISOR's Material Safety Data Sheet Authoring Course or ChemADVISOR's International Hazard Communication Course.

Course Agenda

Day 1

Introduction

Challenges

Focus

History

Globally Harmonized System

Classification Criteria

- Physical

- Health

- Environment (Basic Intro)

Substance Workshop

Day 2

Preparations/Mixtures

Preparations/Mixtures Workshop

Hazard Communication

- Labeling

- Material Safety Data Sheets

Conclusion

Status

Implementation Strategies

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