

HAZARD COMMUNICATION

The Change to GHS



OSHA has updated the HAZCOM Standard Labels and MSDS information requirements. Here are some changes that you need to know.

WHAT IS GHS?

1. Stands for **G**lobally **H**armonized **S**ystem
2. A system standardizing and harmonizing the classification of chemicals and communication of the hazards **internationally** for :
 - Workers & employers
 - Consumers
 - Transport workers
 - Emergency responders



Criteria for classifying hazards

Chemical
Physical
Environmental



Pictograms

labels

Safety Data Sheets (SDS)

New Definitions

Hazard class: the nature of the physical or health hazards, e.g., flammable solid, carcinogen, oral acute toxicity, etc.

Hazard category: the division of criteria within each hazard class. These categories compare hazard severity within a hazard class. For example oral acute toxicity and flammable liquids include four hazard categories.

Product identifier: the name or number used for a hazardous chemical on a label or in the SDS. It provides a unique means by which the user can identify the chemical.

Signal Word: Two words used to readily distinguish between hazard levels and emphasize extent of hazard.

DANGER Highest hazard

WARNING Lower Hazard

Pictogram: a composition that may include a symbol plus other graphic elements, such as a border, background pattern, or color, that is intended to convey specific information about the hazards of a chemical. Nine pictograms are standard for application to a hazard category

Precautionary statement: a phrase that describes recommended measures that should be taken to minimize or prevent adverse effects resulting from exposure to a hazardous chemical, or improper storage or handling

Hazard statement: a statement assigned to a hazard class and category that describes the nature of the hazard(s) of a chemical, including, where appropriate, the degree of hazard.

The Pictograms

GHS Pictograms and Hazard Classes (Other than for Transport)		
•Oxidizers	•Flammables •Self Reactives •Pyrophorics •Self-Heating •Emits Flammable Gas •Organic Peroxides	•Explosives •Self Reactives •Organic Peroxides
•Acute toxicity (severe)	•Corrosives	•Gases Under Pressure
•Carcinogen •Respiratory Sensitizer •Reproductive Toxicity •Target Organ Toxicity •Mutagenicity •Aspiration Toxicity	•Environmental Toxicity	•Irritant •Dermal Sensitizer •Acute toxicity (harmful) •Narcotic Effects •Respiratory Tract Irritation

SDS & Label information

SDS now has 16 sections



New label elements

