Hazard Communication

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OSHA 29CFR1910.1200

Hazard Communication of Toxic and Hazardous Substances – aka CHEMICALS

HAZCOM

Employee Right-to-Know

& UNDERSTAND

Every hazardous chemical or substance, material or waste that they will work around or handle. They have a right-to-know what it is, the hazards associated, recommended prevention/protection actions and what types of engineering controls or personal protective equipment (PPE) should be worn.

HazCom aligned with GHS

Globally Harmonized System of Classification and Labeling of Chemicals - 2012

Safe危険ets

Emplo...hat SDSs are re...le to emplo...

Hazard Classification DANGER

Provides specific criteria for classification of health and physical hazards, as well as classification of mixtures.

NFPA/HMIS level 4 (highest) ~ GHS/HazCom level 1 (highest)

HazCom aligned with GHS

Globally Harmonized System of Classification and Labeling of Chemicals - 2012

Labels

includes a harmonized <u>signal word</u>, <u>pictogram</u>, and hazard statement for each hazard class and category. Precautionary statements must also be provided.

Training

Employers are required to train workers on the new labels elements and safety data sheets format to facilitate recognition and understanding.

HazCom GHS Label

SAMPLE LABEL

CODE _____
Product Name _____
} Product Identifier

Company Name _____
Street Address _____
City _____ State _____
Postal Code _____ Country _____
Emergency Phone Number _____
} Supplier Identification

Hazard Pictograms

Signal Word
Danger

Keep container tightly closed. Store in a cool, well-ventilated place that is locked.
Keep away from heat/sparks/open flame. No smoking. Only use non-sparking tools.
Use explosion-proof electrical equipment.
Take precautionary measures against static discharge. Ground and bond container and receiving equipment.
Do not breathe vapors.
Wear protective gloves.
Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling.
Dispose of in accordance with local, regional, national, international regulations as specified.

In Case of Fire: use dry chemical (BC) or Carbon Dioxide (CO_2) fire extinguisher to extinguish.

First Aid
If exposed call Poison Center.
If on skin (or hair): Take off immediately any contaminated clothing. Rinse skin with water.

Precautionary Statements

Highly flammable liquid and vapor.
May cause liver and kidney damage.
} Hazard Statements

Supplemental Information

Directions for Use
_____
_____
_____

Fill weight: _____ Lot Number: _____
Gross weight: _____ Fill Date: _____
Expiration Date: _____

OSHA 3492-01R 2016

The information for the manufacturer, importer, or distributor or other responsible party on the label must be identical to that on the safety data sheet.

Pictograms

Health Hazard	Flame	Exclamation Mark
• Carcinogen • Mutagenicity • Reproductive Toxicity • Respiratory Sensitizer • Target Organ Toxicity • Aspiration Toxicity	• Flammables • Pyrophorics • Self-Heating • Emits Flammable Gas • Self-Reactives • Organic Peroxides	• Irritant (skin and eye) • Skin Sensitizer • Acute Toxicity (harmful) • Narcotic Effects • Respiratory Tract Irritant • Hazardous to Ozone Layer (Non-Mandatory)
Gas Cylinder	**Corrosion**	**Exploding Bomb**
• Gases Under Pressure	• Skin Corrosion/ Burns • Eye Damage • Corrosive to Metals	• Explosives • Self-Reactives • Organic Peroxides
Flame Over Circle	**Environment** (Non-Mandatory)	**Skull and Crossbones**
• Oxidizers	• Aquatic Toxicity	• Acute Toxicity (fatal or toxic)

Irritant

Exclamation Mark

• Irritant (skin and eye)
• Skin Sensitizer
• Acute Toxicity (harmful)
• Narcotic Effects
• Respiratory Tract Irritant
• Hazardous to Ozone Layer (Non-Mandatory)

HazCom Training of Employees

- **OSHA 1910.1200(h)(1) Employers <u>shall</u> provide employees with effective information and training on hazardous chemicals in their work area at the time of their initial assignment, and whenever a new chemical hazard is introduced into their work area.**

- **Each employee must be trained**

- **Employee training shall include at least:**
  - **Methods/observations to detect the presence/release of a hazardous chemical**
  - **physical, health, simple asphyxiation, combustible dust, and pyrophoric gas hazards**
  - **measures employees can take to protect themselves from these hazards**
  - **details of the hazard communication program developed by the employer**

Chemical Inventory per 1910.1200(e)(1)(i)

- A list of the hazardous chemicals known to be present using a product identifier that is referenced on the appropriate safety data sheet. (or label)

- Organized how ever each workplace desires.
  - Alphabetically
  - Assigned numeric codes
  - By hazard type

Occupation...

- 1910.1200 - Haz
  - 1910.1200 A
  - 1910.1200 A
  - 1910.1200 A
  - 1910.1200 A
  - 1910.1200 A
  - 1910.1200 A

- **Part Number:** 1910
- **Part Number Title:** Occupational Safety and Health Standards
- **Subpart:** 1910 Subpart Z
- **Subpart Title:** Toxic and Hazardous Substances
- **Standard Number:** 1910.1200
- **Title:** Hazard Communication.
- **Appendix:** A; B; C; D; E; F
- **GPO Source:** e-CFR

Note: The following text for 1910.1200 has been updated to align with the UN Globally Harmonized Syste Federal Register, March 26, 2012. This rule became effective May 25, 2012.

Also, the Hazard Communication page, on OSHA.gov, includes downloadable versions of the revised 191 comparison of the Hazard Communication Standard, issued in 1994 (HazCom 1994), with the revised Ha asked questions on the revisions; and new guidance materials on the revisions.The page also contains th

1910.1200(a)

Purpose

Hazard Communication

...o know, now gives them the right to understand.

OSHA QUICK

Hazard Safe...

NFPA

Comparison

OSHA QUICKCARD ™

Hazard Communication Standard Pictogram

...nication Standard (HCS) will require pictograms on labels to alert users of the chemical hazards to which they may be... ...ound framed within a red border and represents a distinct hazard(s). The pictogram on the label is determined by the c...

HCS Pictograms and Hazards

Safety Data Sheets ▾

The Hazard Comm...
chemical manufa...
provide Safety Da...
Material Safety D...
the hazards of ha...
requires new SDS...
the section numb...
information unde...

Section 1, Identif...
manufacturer or...
number: emerge...

Purpose	Provides b... personnel... those plan...
Number System: NFPA Rating and OSHA's	0-4 0-least haz... 4-most hazardous

...ion ▾

Flame

• 4-least severe hazard
• The Hazard category numbers are NOT

Exclam...

Remember…
Safety First!

(Every worker deserves to go home unharmed!)