

OSHA 29CFR1910.1200

Hazard Communication of Toxic and Hazardous Substances – aka CHEMICALS

HAZCOM

Employee Right-to-Know WNDERSTAND & 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



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hat SDSs are re



HazardANGERSification

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

Hazard Pictograms

Company Name

Emergency Phone Number

 Street Address
 State

 City
 State

 Postal Code
 Country

Supplier Identification



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.

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.



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

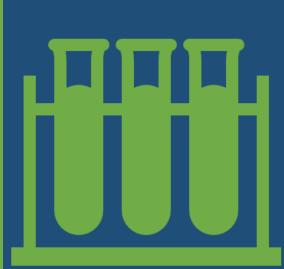
Precautionary Statements

Supplemental Information

Directions for Use

Fill weight: Lot Number: Fill Date: Fill Date:

OSHA 3492-01R 2016



Pictograms

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



Exclamation Mark



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

Flame Over Circle



Oxidizers

Environment (Non-Mandatory)

Corrosive to Metals



Aquatic Toxicity

Skull and Crossbones



 Acute Toxicity (fatal or toxic)



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



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Occupation Part Number Title:

Part Number:

Occupational Safety and Health Standards

Subpart:

1910 Subpart Z

Subpart Title:

Toxic and Hazardous Substances

1910.1200 - Haz Standard Number:

1910.1200

1910

∘ 1910.1200 A ■ Title:

Hazard Communication.

1910.1200 A • Appendix:

A; B; C; D; E; F

e-CFR

1910.1200 A

1910.1200 A

1910.1200 A

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 Haz asked questions on the revisions; and new guidance materials on the revisions. The page also contains the

1910.1200(a)

Durnosa



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Hazard Communication

o know, now gives them the right to understand.



OSHA QUICKCARD



Hazard Safe



inication 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

Safety Data Sheets

The Hazard Comichemical manufa provide Safety Da Material Safety Dathe hazards of hazards new SDS the section numbinformation under the section numbinformation numbinfo

Section 1, Identif
manufacturer or on the number: emerger and OSHA's

Comparison

	<u> </u>
Purpose	Provides by personnel those plant
Number System: NFPA Rating	0-4 0-least haz 4-most hazar dous

HCS Pictograms and Hazards

