



This Globally Harmonized System (GHS) update includes:

1. Understanding Globally Harmonized System (GHS) labeling in the office.
2. Understanding Safety Data Sheets.
3. A CD containing all of the OSHA regulations, and the new GHS regulations.
4. Step by step instructions on properly labeling the pre-printed labels with a pack of labels
5. The Globally Harmonized System (GHS) wall chart

To update your current OSHA Compliance Manual:

1. If you have the current *OSHA Compliance and Infection Control Manual* from Compliance Training Partners (CTP) insert after the yellow tab Subpart Z - Hazard Communication tab and its contents.
2. If you have an OSHA Compliance Manual from another company or a manual that you have personally put together, find an appropriate location in your manual and insert this update.

If you have questions, please contact our customer service department at 888.388.4782

GHS - Understanding Labeling in the Healthcare facility

Globally Harmonized System

The Occupational Safety and Health Administration (OSHA) has decided to adopt the Globally Harmonized System for Hazard Communication (GHS) in the United States.

The GHS is a logical and comprehensive approach to defining health, physical and environmental hazards of chemicals, creating classification processes that use available data on chemicals for comparison with the defined hazard criteria and communicating hazard information on labels and Safety Data Sheets (SDS).

Major Changes in the Hazard Communication Standard Include:

- A.** Hazard classification
- B.** Labeling:
- C.** Safety Data Sheets
- D.** Information and training

A. Hazard Classification:

Manufacturers and importers of chemicals are not required to perform hazard classification on their products.

B. Labels:

Chemical manufacturers and importers will be requested to provide a label that includes a harmonized signal word, pictogram, and hazard statement for each hazard class and category. Precautionary statements must also be provided.

1. Harmonized Signal Word:

A single word used to indicate the relative level of severity of hazard and alert the reader to a potential hazard on the label. The signal words used are "danger" and "warning." "Danger" is used for more severe hazards, while "warning" is used for less severe hazards.

2. 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 the hazard

3. Precautionary Statement:

A phrase that describes recommended measures to be taken to minimize or prevent adverse effects resulting from exposure to a hazardous chemical, or improper storage or handling of a hazardous chemical.










4. Pictogram:


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 the chemical. There are nine pictograms under the GHS, but only 8 are required under the hazard communication standard.

Disclaimer: The employer is ultimately responsible for safety and compliance in their workplace and familiarity with all rules, laws, and regulations that may apply. Compliance Training Partners, L.L.C. cannot be held responsible for any legal actions, citations, penalties or fines that may result from failure to comply.

Understanding Labeling in the Healthcare facility - *Continued*

Pictograms that you will need to incorporate into your labeling and training system:

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

<p>PRODUCT IDENTIFIER</p> <p>CODE _____</p> <p>Product Name _____</p> <p>SUPPLIER IDENTIFICATION</p> <p>Company Name _____</p> <p>Street Address _____</p> <p>City _____ State _____</p> <p>Postal Code _____ Country _____</p> <p>Emergency Phone Number _____</p> <p>PRECAUTIONARY STATEMENTS</p> <p>Keep container tightly closed. Store in cool, well ventilated place that is locked.</p> <p>Keep away from heat/ sparks/open flame. No smoking.</p> <p>Only use non-sparking tools.</p> <p>Use explosion-proof electrical equipment.</p> <p>Take precautionary measure against static discharge.</p> <p>Ground and bond container and receiving equipment.</p> <p>Do not breathe vapors.</p> <p>Wear protective gloves.</p> <p>Do not eat, drink or smoke when using this product.</p> <p>Wash hands thoroughly after handling.</p> <p>Dispose of in accordance with local, regional, national, international regulations as specified.</p> <p>In case of Fire: use dry chemical (BC) or Carbon dioxide (CO₂) fire extinguisher to extinguish.</p> <p>First Aid: If exposed call Poison Center.</p> <p>If on skin (on hair): Take off immediately any contaminated clothing. Rinse skin with water.</p>	<p>HAZARD PICOGRAM</p>  <p>SIGNAL WORD</p> <p>Danger</p> <p>HAZARD STATEMENT</p> <p>Highly flammable liquid and vapor. May cause liver and kidney damage.</p> <p>SUPPLEMENTAL INFORMATION</p> <p>Direction for use:</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>Fill weight: _____ Lot Number: _____</p> <p>Gross weight: _____ Fill date: _____</p> <p>Expiration Date: _____</p>
---	--

Understanding Labeling in the Healthcare facility - *Continued*

C. Safety Data Sheets

The information required on the Safety Data Sheet (SDS) will remain essentially the same but the revised Hazard Communication Standard requires that the information on the SDS be presented using specific headings in a specified sequence.

The format of the 16-section SDS should include the following sections:

- Section 1:** Identification-includes product identifier; manufacturer or distributor name, address, phone number; emergency phone number; recommended use; restrictions on use.
- Section 2:** Hazard(s) identification-includes all hazards regarding the chemical; required label elements.
- Section 3:** Composition/information on ingredients-includes information on chemical ingredients; trade secret claims
- Section 4:** First-aid measures-includes important symptoms/ effects, acute, delayed; required treatment.
- Section 5:** Fire-fighting measures-lists suitable extinguishing techniques, equipment; chemical hazards from fire.
- Section 6:** Accidental release measures-lists emergency procedures; protective equipment; proper methods of containment and cleanup.
- Section 7:** Handling and storage-lists precautions for safe handling and storage, including incompatibilities.
- Section 8:** Exposure controls/personal protection-lists OSHA's Permissible Exposure limits (PELs); Threshold limit Values (TLVs); appropriate engineering controls; personal protective equipment (PPE).
- Section 9:** Physical and chemical properties-lists the chemical's characteristics
- Section 10:** Stability and reactivity-lists chemical stability and possibility of hazardous reactions.
- Section 11:** Toxicological information-includes routes of exposure; related symptoms, acute and chronic effects; numerical measures of toxicity.
- Section 12:** Ecological information.
- Section 13:** Disposal considerations.
- Section 14:** Transport information.
- Section 15:** Regulatory information.
- Section 16:** Other information-includes the date of preparation or last revision .



* OSHA will not be enforcing information requirements in sections 12 through 15, as these areas are not under its jurisdiction.

Understanding Labeling in the Healthcare facility - *Continued*

Use the Manufacturers label (A) to fabricate your custom label (B):

1. Product Identifier
2. Pictograms
3. Signal word - *Danger*
4. Hazard Statement
5. Precautionary Statement
6. Supplier Information

A

2 →  

1 → **Isopropyl Alcohol**

3 → **Danger!**

4 → Highly Flammable liquid and vapor. Harmful if swallowed or inhaled.
Causes irritation to eyes and respiratory tract. May be harmful if absorbed through the skin.
May cause irritation to the skin. May cause dizziness and drowsiness.

















5 → Keep away from heat/sparks/open flames/hot surfaces.
Wear protective gloves/protective clothing/eye protection.
If in eyes:
Rinse with water for several minutes.
If on skin or hair:
Remove/take off all contaminated clothing immediately.
Rinse skin with water/shower.

6 → NEWCO, 4321 Main Street, Any City, Any State 54321 • 1.800.555.9876

*Compliance Training Partners (CTP)

B

1 → **PRODUCT IDENTIFIER** *Isopropyl Alcohol* DANGER WARNING

HEALTH HAZARDS	 <input type="checkbox"/>  <input checked="" type="checkbox"/>  <input type="checkbox"/>	← 2
PHYSICAL HAZARDS	 <input type="checkbox"/>  <input type="checkbox"/>  <input type="checkbox"/>  <input type="checkbox"/>  <input checked="" type="checkbox"/>  <input type="checkbox"/>	← 2
ENVIRONMENTAL HAZARDS	 <input type="checkbox"/>	
TARGET ORGAN EFFECTS	A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/> E <input type="checkbox"/> F <input checked="" type="checkbox"/>	← 3
PROTECTIVE EQUIPMENT	 <input checked="" type="checkbox"/>  <input checked="" type="checkbox"/>  <input checked="" type="checkbox"/>  <input checked="" type="checkbox"/>  <input checked="" type="checkbox"/>  <input type="checkbox"/>	← 3

HAZARD STATEMENT PPE LEVEL **4**

4 → *Highly flammable liquid and vapor.
Harmful if swallowed. Harmful if inhaled.
Causes eye irritation. May cause dizziness
and drowsiness.*

Using Manufacturer label above and the reference chart will help determine hazards to choose and place on your label.

REFERENCE SAFETY DATA SHEET: Compliance Training Partners • 888.388.4782

*For some products you may have to consult the Safety Data Sheet (SDS) for complete information.

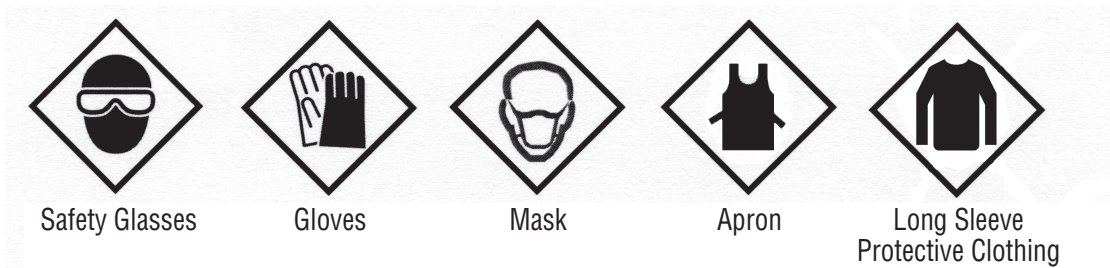
Understanding Labeling in the Healthcare facility - *Continued*

Personal Protective Equipment Symbols (PPE), Target Organ Guide and PPE Levels *(see CTP Poster)*

Target Organ Effects:

- A - Harmful to the kidneys
- A - Harmful to the liver
- C - Harmful to the lungs
- D - Harmful to the central and/or peripheral nervous system
- E - Causes skin damage, irritation or dermatitis
- F - Harmful to the blood, eye and reproductive system

Personal Protective Equipment (PPE) Symbols:



Personal Protective Equipment Levels:

