



Mission Success Starts With Safety



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# SSC Monthly Construction Contractor Meeting

## Safety Presentation

### Hazard Communication & SDS

October 03, 2024

# OSHA's Final Rule to Amend the Hazard Communication Standard

**U.S. Department of Labor's Occupational Safety and Health Administration (OSHA) has issued a final rule to update the agency's Hazard Communication Standard (HCS).**

OSHA has issued a final rule that updates the Hazard Communication Standard (HCS) to align primarily with the seventh revision of the United Nations' Globally Harmonized System of Classification and Labelling of Chemicals (GHS). The final rule was published on May 20, 2024 and takes effect on July 19, 2024.

The updated standard will improve the standard's effectiveness by better informing employees about chemical hazards in the workplace. This final rule will increase worker protections and reduce the incidences of chemical-related occupational illnesses and injuries by further improving the information on the labels and safety data sheets for hazardous chemicals. The final rule will also address issues arising since implementation of the 2012 standard and improve alignment with other federal agencies and Canada. Please see the **Highlights** for more information.

OSHA is also providing a redline strikeout version of the regulatory text and appendices for stakeholders which can be found under Highlights.

Established in 1983, the HCS provides a standardized approach to communicating workplace hazards associated with exposure to dangerous chemicals. OSHA updated the standard in 2012 to align with the third revision of the GHS. The system provides a common and coherent approach to classifying chemicals and communicating hazard information.

## Highlights

- [Federal Register Notice](#)
- [HCS Update – Questions & Answers](#)
- [Side-by-Side Comparison](#)
- [HCS 2024-Regulatory Text and Appendices](#)
- [HCS 2024-Redline Strikeout-Regulatory Text and Appendices](#)

# SAFETY DATA SHEET REQUIREMENTS

The new OSHA HCS update clarifies the information required in Safety Data Sheets (SDSs), which communicate chemical product hazards. OSHA requires the chemical manufacturer or importer to provide SDSs in English, although the employer may maintain copies in other languages. SDSs may be stored in any form, including as operating procedures. It's the employer's responsibility to ensure that the information for each hazardous chemical is readily accessible to employees in their work area. See "[OSHA's Final Rule to Amend the Hazard Communication Standard](#)" for more information.

## Required Sections in a Safety Data Sheet

OSHA outlines 16 required sections for inclusion on an SDS (see [29 CFR 1910.1200 Appendix D](#)). While OSHA required these sections before the update, it added some clarifying language. The following headings and information (see 29 CFR above for description specifics) must be included in an SDS:

- |                                           |                                                                       |
|-------------------------------------------|-----------------------------------------------------------------------|
| 1. Identification                         | 9. Physical and Chemical Properties                                   |
| 2. Hazard(s) Identification               | 10. Stability and Reactivity                                          |
| 3. Composition/Information on Ingredients | 11. Toxicological Information                                         |
| • Trade Secret Information                | 12. Ecological Information *                                          |
| 4. First Aid Measures                     | 13. Disposal Considerations *                                         |
| 5. Firefighting Measures                  | 14. Transportation Information *                                      |
| 6. Accidental Release Measures            | 15. Regulatory Information *                                          |
| 7. Handling and Storage                   | 16. Other Information, including date of preparation or last revision |
| 8. Exposure Controls/Personal Protection  |                                                                       |










\* Note: While an SDS must contain Sections 12-15, OSHA does not enforce the content because those areas fall under other agencies' jurisdictions.



### Hazard Communication Standard Pictogram

The Hazard Communication Standard (HCS) requires pictograms on labels to caution users of the chemical hazards that they may be exposed to. A pictogram consists of a symbol on a white background framed within a red border and represents a distinct hazard(s). The pictogram on the label is determined by the chemical hazard classification. Each pictogram may only appear once on a label. If multiple hazards require the use of the same pictogram, it may not appear a second time on the label.

### HCS Pictograms and Hazards

Health Hazard	Flame	Exclamation Mark
 <ul style="list-style-type: none"> <li>• Carcinogen</li> <li>• Mutagenicity</li> <li>• Reproductive Toxicity</li> <li>• Respiratory Sensitizer</li> <li>• Target Organ Toxicity</li> <li>• Aspiration Toxicity</li> </ul>	 <ul style="list-style-type: none"> <li>• Flammables</li> <li>• Pyrophorics</li> <li>• Self-Heating</li> <li>• Emits Flammable Gas</li> <li>• Self-Reactives</li> <li>• Organic Peroxides</li> <li>• Desensitized Explosives</li> </ul>	 <ul style="list-style-type: none"> <li>• Irritant (skin and eye)</li> <li>• Skin Sensitizer</li> <li>• Acute Toxicity (harmful)</li> <li>• Narcotic Effects</li> <li>• Respiratory Tract Irritant</li> <li>• Hazard Not Otherwise Classified (non-mandatory)</li> <li>• Hazardous to Ozone Layer (non-mandatory)</li> </ul>
Gas Cylinder	Corrosion	Exploding Bomb
 <ul style="list-style-type: none"> <li>• Gases Under Pressure</li> <li>• Chemicals Under Pressure</li> </ul>	 <ul style="list-style-type: none"> <li>• Skin Corrosion/Burns</li> <li>• Eye Damage</li> <li>• Corrosive to Metals</li> </ul>	 <ul style="list-style-type: none"> <li>• Explosives</li> <li>• Self-Reactives</li> <li>• Organic Peroxides</li> </ul>
Flame Over Circle	Environment (non-mandatory)	Skull and Crossbones
 <ul style="list-style-type: none"> <li>• Oxidizers</li> </ul>	 <ul style="list-style-type: none"> <li>• Aquatic Toxicity</li> </ul>	 <ul style="list-style-type: none"> <li>• Acute Toxicity (fatal or toxic)</li> </ul>

The OSHA Quick Card, "Hazard Communication Standard Pictogram," shows the Globally Harmonized System of Classification and Labeling of Chemicals symbols.