

Discussion Leader: \_\_\_\_\_

Attendance Sign- In: \_\_\_\_\_

**Summary**

The Globally Harmonized System (GHS) of Classification and Labeling of Chemicals has already been incorporated into federal OSHA's Hazard Communication Standard. Material Safety Data Sheets (MSDSs) are starting to be phased out and replaced by newly required Safety Data Sheets (SDSs). Although content details on labels and SDSs are affected by the GHS, many of the current requirements are not changing. For example, requirements to distribute SDSs, label workplace containers, and train employees will remain the same.

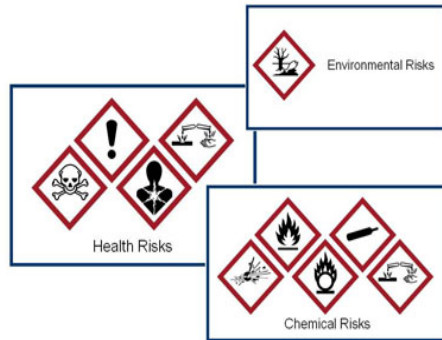
**Guide for Discussion**

Labels on hazardous chemicals will include:

- Pictograms which visually identify the main hazards
- Signal words: **"warning"** (less serious risk) or **"danger"** (more serious risk)
- Hazard statements (what is the hazard?)
- Precautionary statements (what you should you do to protect yourself from the hazard)

Safety Data Sheets will now consist of 16 sections in a specified sequence.

- SDS serve the same purpose as MSDS
- SDS will be in a uniform format and easier to read












Who	What	By
Employers	Train employees on the safety data sheet (SDS) format and new label elements.	1-Dec-13 (Washington 1-Jun-14)
Chemical manufacturers and importers	Comply with new SDS and label requirements. HCS will require pictograms on labels	1-Jun-15
Distributors	Not to ship unless container has GHS (Global Harmonization System) label.	1-Dec-15
Employers	Update labels on "workplace" containers and train employees on newly identified hazards. Update the Hazard Communication Program, as needed.	1-Jun-16

The new SDS sections will be identified and ordered as follows:

Section 1. Identification
Section 2. Hazard(s) identification
Section 3. Composition/information on ingredients
Section 4. First-aid measures
Section 5. Fire-fighting measures
Section 6. Accidental release measures
Section 7. Handling and storage
Section 8. Exposure controls/personal protection
Section 9. Physical and chemical properties
Section 10. Stability and reactivity
Section 11. Toxicological information
Section 12. Ecological information
Section 13. Disposal considerations
Section 14. Transport information
Section 15. Regulatory information
Section 16. Other information

The new GHS pictograms are identified below:

HCS Pictograms and Hazards		
<p><b>Health Hazard</b></p>  <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>	<p><b>Flame</b></p>  <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> </ul>	<p><b>Exclamation Mark</b></p>  <ul style="list-style-type: none"> <li>■ Irritant (skin and eye)</li> <li>■ Skin Sensitizer</li> <li>■ Acute Toxicity</li> <li>■ Narcotic Effects</li> <li>■ Respiratory Tract Irritant</li> <li>■ Hazardous to Ozone Layer (Non-Mandatory)</li> </ul>
<p><b>Gas Cylinder</b></p>  <ul style="list-style-type: none"> <li>■ Gases Under Pressure</li> </ul>	<p><b>Corrosion</b></p>  <ul style="list-style-type: none"> <li>■ Skin Corrosion/ Burns</li> <li>■ Eye Damage</li> <li>■ Corrosive to Metals</li> </ul>	<p><b>Exploding Bomb</b></p>  <ul style="list-style-type: none"> <li>■ Explosives</li> <li>■ Self-Reactives</li> <li>■ Organic Peroxides</li> </ul>
<p><b>Flame Over Circle</b></p>  <ul style="list-style-type: none"> <li>■ Oxidizers</li> </ul>	<p><b>Environment (Non-Mandatory)</b></p>  <ul style="list-style-type: none"> <li>■ Aquatic Toxicity</li> </ul>	<p><b>Skull and Crossbones</b></p>  <ul style="list-style-type: none"> <li>■ Acute Toxicity (fatal or toxic)</li> </ul>

Additional Discussion Notes:

**Remember**

A Hazard Communication Program is designed to maintain a healthy work environment by increasing employee awareness about the hazards of the chemicals that they work with. This is only part of a larger hazard communication program and additional training is required.