



Tool Box Talk



The Globally Harmonized System (GHS) Of Classification and Labeling of Chemicals

- OSHA updated the Hazard Communication standard in 2012 to align with the Globally Harmonized System (GHS)
- Standard phrases and pictograms are now used to communicate chemical hazards
- Labels must contain:
 - Name, Address and Telephone number of chemical manufacturer, importer or other responsible party
 - Product Identifier-“name” of product
 - Signal Word
 - Hazard Statement(s)
 - Precautionary Statement(s)
 - Pictograms(s)
- Signal Words: used to indicate the relative level of severity of the hazard, there are two signal words:
 - Danger-used for more severe hazards
 - Warning-used for less severe hazards
- Hazard Statement(s): 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 hazard, e.g. Fatal if swallowed
- Precautionary Statement(s): A phrase that describes recommended measures that should be taken to minimize or prevent adverse effects resulting from exposure or improper storage or handling. Four types of statements which have been assigned to hazard classes and categories:
 - Prevention
 - Response
 - Storage
 - Disposal
- Pictograms: May include a symbol plus other graphic elements such as a border, background pattern or color. Intended to convey specific information about the hazards of a chemical. Eight designated pictograms and one non-mandatory. Black symbols on a white background, with a red diamond border.
- Material Safety Data Sheets (MSDS) are now called Safety Data Sheets (SDS)

GHS Label

SAMPLE LABEL		
CODE _____ Product Name _____	Product Identifier	
Company Name _____ Street Address _____ City _____ State _____ Postal Code _____ Country _____ Emergency Phone Number _____	Supplier Identification	
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.	Hazard Pictograms Signal Word Danger	
	Highly flammable liquid and vapor. May cause liver and kidney damage.	Hazard Statements
	Precautionary Statements	Supplemental Information Directions for Use _____ _____ _____ Fill weight: _____ Lot Number: _____ Gross weight: _____ Fill Date: _____ Expiration Date: _____

Pictograms as they appear on labels & SDS

<p>Health Hazard</p>  <ul style="list-style-type: none"> • Carcinogen • Mutagenicity • Reproductive Toxicity • Respiratory Sensitizer • Target Organ Toxicity • Aspiration Toxicity 	<p>Flame</p>  <ul style="list-style-type: none"> • Flammables • Pyrophorics • Self-Heating • Emits Flammable Gas • Self-Reactives • Organic Peroxides 	<p>Exclamation Mark</p>  <ul style="list-style-type: none"> • Irritant (skin and eye) • Skin Sensitizer • Acute Toxicity (harmful) • Narcotic Effects • Respiratory Tract Irritant • Hazardous to Ozone Layer (Non-Mandatory)
<p>Gas Cylinder</p>  <ul style="list-style-type: none"> • Gases Under Pressure 	<p>Corrosion</p>  <ul style="list-style-type: none"> • Skin Corrosion/ Burns • Eye Damage • Corrosive to Metals 	<p>Exploding Bomb</p>  <ul style="list-style-type: none"> • Explosives • Self-Reactives • Organic Peroxides
<p>Flame Over Circle</p>  <ul style="list-style-type: none"> • Oxidizers 	<p>Environment (Non-Mandatory)</p>  <ul style="list-style-type: none"> • Aquatic Toxicity 	<p>Skull and Crossbones</p>  <ul style="list-style-type: none"> • Acute Toxicity (fatal or toxic)