

Globally Harmonized System

In 2003, the United Nations adopted the Globally Harmonized System of Classification and Labeling of Chemicals (GHS). The GHS includes criteria for the classification of health, physical, and environmental hazards, as well as specifying what information should be included on labels of hazardous chemicals and Safety Data Sheets (SDSs) – no longer Material Safety Data Sheets. To align with this new system, OSHA developed the Hazard Communication Standard (HCS). Hazard communication, also known as HazCom, is a set of processes and procedures in the workplace to effectively communicate hazards associated with chemicals during handling, shipping, and any form of exposure.

Safety Data Sheets

Emergency Number Chem-Trec

1.800.424.9300

Section 1: Identification of the Product, Manufacturer, and Emergency Numbers

Section 2: Hazard identification – Classification, Pictogram, Warning Word

Section 3: The CAS Registry Number is the universally recognized unique identifier of chemical substances and is often found on packaging and on articles of commerce

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: Toxicology Information – Nature, effects, and detection of poisons

Section 12: Ecological Information

Section 13: Disposal Considerations

Section 14: Transportation Information

Section 15: Regulatory Information

Section 16: Other Information

Pictograms

		
GHS01 Danger Unstable, Explosive	GHS02 Danger or Warning Flammable	GHS03 Danger or Warning Oxidising
		
GHS04 Warning Compressed gas	GHS05 Danger or Warning Corrosive cat. 1	GHS06 Danger Toxic cat. 1 - 3
		
GHS07 Warning Toxic cat. 4 Irritant cat. 2 or 3 Lower systemic health hazards	GHS08 Danger or Warning Systemic health hazards	GHS09 Warning (for cat. 1) (for cat. 2 no signal word) Environment

[GHS Classification and Hazard Statements](#)

[GHS Precautionary Statement and P Code](#)

[Hazard Class and Hazard Category](#)

Warning Word



DANGER indicates a hazardous situation that, if not avoided, will result in death or serious injury.



WARNING indicates a hazardous situation that, if not avoided, could result in death or serious injury.



CAUTION indicates a hazardous situation that, if not avoided, could result in minor or moderate injury.



NOTICE addresses practices not related to physical injury, but is still considered important such as security, hygiene, housekeeping, equipment etc.



(Specifically worded) green and white signs indicate specific safety-related instructions or procedures, or suggestions.

Transportation of Hazardous Materials

