

# OSHA / GHS HAZCOM

# QUICK REFERENCE CHART

## Minimum Requirements for a Safety Data Sheet

- 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 (Non-mandatory)** includes ecotoxicity (aquatic and terrestrial, where available); persistence and degradability; mobility in soil and other ecological information.
- Section 13, Disposal considerations (Non-mandatory)** description of waste residues and information on their safe handling and methods of disposal, including the disposal of any contaminated packaging.
- Section 14, Transport information (Non-mandatory)** includes UN number; transport hazard class(es); environmental hazards (e.g., Marine pollutant (Yes/No)); and other transport information.
- Section 15, Regulatory information (Non-mandatory)** safety, health and environmental regulations specific for the product in question.
- Section 16, Other information**, includes the date of preparation or last revision.

Employers must ensure that SDSs are readily accessible to employees. See Appendix D of 29 CFR 1910.1200 for a detailed description of SDS contents.

## Precautionary Statements

There are four types of Precautionary Statements used on labels:

**Prevention** – Statements meant to keep you from harm.  
Example: "Wear protective gloves."

**Response** – Statements providing steps to take if you have been exposed to a chemical hazard.  
Example: "Immediately call a poison center or doctor/physician."

**Storage** – Explains the safe way to store the chemical.  
Example: "Keep container tightly closed."

**Disposal** – The last statement explains to the employer/employee how to dispose of the chemical safely.  
Example: "Dispose of contents/container in accordance with local regulations."

## Hazard Pictograms



**Flame Over Circle**

- Corrosives



**Flame**

- Flammable
- Gases Flammable Gas
- Pyrophoric
- Self-Heating
- Self-Reacting
- Organic Peroxides



**Explosion/Bomb**

- Explosives
- Self-Reacting
- Organic Peroxides



**Skull and Crossbones**

- Acute Toxicity (Oral or Inhal)



**Health Hazard**

- Mutagenicity
- Reproductive Toxicity
- Respiratory Sensitizer
- Target Organ Toxicity
- Corrosion
- Aspiration Toxicity



**Corrosion**

- Corrosive (Liquid or Solid)



**Gas Cylinder**

- Gas Cylinders
- Corrosive (Liquid or Solid)



**Exclamation Mark**

- Irritant (Skin and Eyes)
- Skin Sensitizer
- Acute Toxicity
- Respiratory Irritant
- Hazardous to Ozone (Environment)



**Environment Hazard**

- Aquatic Toxicity

## Minimum Requirements for a Chemical Label

- 1 Product Identifier** – This is the unique name or number used to identify a hazardous chemical. The same Product Identifier must be used for the label, SDS and required company chemical files for each chemical.
- 2 Signal Word** – A word used to alert employees of a potential hazard and its relative level of severity. The two signal words used are:  
**Danger** – Used for more severe hazards  
**Warning** – Used for less severe hazards
- 3 Supplier Identification** – The name, address, and telephone number of the supplier.
- 4 Hazard Statements** – Information describing the nature of the chemical hazard and the degree of the hazard. Example: "Fatal if swallowed."
- 5 Precautionary Statements** – A phrase describing recommended measures to be taken to minimize or prevent adverse effects resulting from exposure to the hazardous chemical or improper storage or handling. See additional information to the left.
- 6 Hazard Pictograms** – A symbol which is intended to convey specific information about the hazards of a chemical. See additional information above.
- 7 Supplemental Information** – Manufacturers, importers or distributors may choose to add supplementary information to the label when it provides further details, and does not contradict or cast doubt on the validity of the standardized hazard information.

### 1 Product Identifier

### 2 Signal Word

### 3 Supplier Identification

### 4 Hazard Statements

### 5 Precautionary Statements

### 7 Supplemental Information



# Osha Quick Reference Guide

**U.S. Department of  
Labor, Occupational Safety and Health  
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## **Osha Quick Reference Guide:**

**OSHA Construction Safety Essentials Quick-Card**, 2014-06-30 OSHA CONSTRUCTION SAFETY ESSENTIALS Based on Construction Industrial Regulation 29 CFR 1926 OSHA by Builder's Book Inc NEW This extended 6 page guide covers the OSHA Construction Safety Great for contractors builders architects and engineers anyone who needs a quick overview of the basics involved in this key in Construction PERSONAL PROTECTIVE EQUIPMENT PPE CONSTRUCTION SITE FALL PROTECTION OPENINGS SCAFFOLDING SAFETY CONSTRUCTION SITE SAFETY LADDERS STAIRWAYS EXCAVATION TRENCHING SAFETY ELECTRICAL SAFETY TABLES ELECTRICAL SAFETY SAFETY HAZARD COMMUNICATION **Burt**

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## **Table of Contents Osha Quick Reference Guide**

1. Understanding the eBook Osha Quick Reference Guide
  - The Rise of Digital Reading Osha Quick Reference Guide
  - Advantages of eBooks Over Traditional Books
2. Identifying Osha Quick Reference Guide
  - Exploring Different Genres
  - Considering Fiction vs. Non-Fiction
  - Determining Your Reading Goals
3. Choosing the Right eBook Platform
  - Popular eBook Platforms
  - Features to Look for in an Osha Quick Reference Guide
  - User-Friendly Interface
4. Exploring eBook Recommendations from Osha Quick Reference Guide
  - Personalized Recommendations
  - Osha Quick Reference Guide User Reviews and Ratings
  - Osha Quick Reference Guide and Bestseller Lists
5. Accessing Osha Quick Reference Guide Free and Paid eBooks
  - Osha Quick Reference Guide Public Domain eBooks
  - Osha Quick Reference Guide eBook Subscription Services
  - Osha Quick Reference Guide Budget-Friendly Options
6. Navigating Osha Quick Reference Guide eBook Formats

- ePub, PDF, MOBI, and More
- Osha Quick Reference Guide Compatibility with Devices
- Osha Quick Reference Guide Enhanced eBook Features
- 7. Enhancing Your Reading Experience
  - Adjustable Fonts and Text Sizes of Osha Quick Reference Guide
  - Highlighting and Note-Taking Osha Quick Reference Guide
  - Interactive Elements Osha Quick Reference Guide
- 8. Staying Engaged with Osha Quick Reference Guide
  - Joining Online Reading Communities
  - Participating in Virtual Book Clubs
  - Following Authors and Publishers Osha Quick Reference Guide
- 9. Balancing eBooks and Physical Books Osha Quick Reference Guide
  - Benefits of a Digital Library
  - Creating a Diverse Reading Collection Osha Quick Reference Guide
- 10. Overcoming Reading Challenges
  - Dealing with Digital Eye Strain
  - Minimizing Distractions
  - Managing Screen Time
- 11. Cultivating a Reading Routine Osha Quick Reference Guide
  - Setting Reading Goals Osha Quick Reference Guide
  - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Osha Quick Reference Guide
  - Fact-Checking eBook Content of Osha Quick Reference Guide
  - Distinguishing Credible Sources
- 13. Promoting Lifelong Learning
  - Utilizing eBooks for Skill Development
  - Exploring Educational eBooks
- 14. Embracing eBook Trends
  - Integration of Multimedia Elements
  - Interactive and Gamified eBooks

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