

# 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



**Flammable Gas**  
• Gases



**Flame**  
• Flammable  
• Oxid. Flammable Gas  
• Pyrophoric  
• Self-Heating  
• Self-Reacting  
• Organic Peroxides



**Explosive**  
• Explosives  
• Self-Reacting  
• Organic Peroxides



**Health Hazard**  
• Acute Toxicity  
• Skin Corrosion  
• Irritant (Skin or Eye)



**Corrosive**  
• Skin Corrosion  
• Eye Damage  
• Corrosive to Metals



**Gas Cylinder**  
• Gases Under Pressure



**Corrosive**  
• Skin Corrosion  
• Eye Damage  
• Corrosive to Metals



**Explosive**  
• Explosives  
• Self-Reacting  
• Self-Heating  
• Self-Reacting  
• Organic Peroxides



**Environmental Hazard**  
• Aquatic Toxicity

## Minimum Requirements for a Chemical Label

- 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 list for each chemical.
- 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.
- Supplier Identification** – The name, address, and telephone number of the supplier.
- Hazard Statements** – Information describing the nature of the chemical hazard and the degree of the hazard. (Example: "Fatal if swallowed.")
- 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.
- Hazard Pictograms** – A symbol which is intended to convey specific information about the hazards of a chemical. See additional information above.
- 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

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## **Osha Quick Reference Guide:**

The book delves into Osha Quick Reference Guide. Osha Quick Reference Guide is a vital topic that needs to be grasped by everyone, ranging from students and scholars to the general public. This book will furnish comprehensive and in-depth insights into Osha Quick Reference Guide, encompassing both the fundamentals and more intricate discussions.

1. This book is structured into several chapters, namely:
  - Chapter 1: Introduction to Osha Quick Reference Guide
  - Chapter 2: Essential Elements of Osha Quick Reference Guide
  - Chapter 3: Osha Quick Reference Guide in Everyday Life
  - Chapter 4: Osha Quick Reference Guide in Specific Contexts
  - Chapter 5: Conclusion
2. In chapter 1, the author will provide an overview of Osha Quick Reference Guide. The first chapter will explore what Osha Quick Reference Guide is, why Osha Quick Reference Guide is vital, and how to effectively learn about Osha Quick Reference Guide.
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4. In chapter 3, this book will examine the practical applications of Osha Quick Reference Guide in daily life. The third chapter will showcase real-world examples of how Osha Quick Reference Guide can be effectively utilized in everyday scenarios.
5. In chapter 4, the author will scrutinize the relevance of Osha Quick Reference Guide in specific contexts. This chapter will explore how Osha Quick Reference Guide is applied in specialized fields, such as education, business, and technology.
6. In chapter 5, the author will draw a conclusion about Osha Quick Reference Guide. The final chapter will summarize the key points that have been discussed throughout the book.

The book is crafted in an easy-to-understand language and is complemented by engaging illustrations. This book is highly recommended for anyone seeking to gain a comprehensive understanding of Osha Quick Reference Guide.

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