

## Minimum Requirements for Safety Data Sheet (SDS)

**Section 1. Identification:** Name of chemical & information on manufacturer including address and contact phone number.

**Section 2. Hazard(s) Identification:** Identifies the hazards of the chemical and Symptoms of Overexposure.

**Section 3. Composition & Information on Ingredients:** List ingredients in the chemical, common name used, CAS # and present of ingredient makeup.

**Section 4. First-Aid Measures:** Includes what first-aid measures are needed if exposed to the hazard.

**Section 5. Fire Fighting Measures:** Information on extinguishing media, special firefighting procedures & unusual fire & explosion hazards.

**Section 6. Accidental Release Measures:** Describes what measures are needed if there is an accidental release/spill.

**Section 7. Handling & Storage:** How to handle the chemical safely, and safe storage requirements.

**Section 8. Exposure Controls & Personal Protection:** Explains what type of engineering controls and personal protective equipment is needed when handling the chemical.

**Section 9. Physical & Chemical Properties:** Boiling point solubility in water, vapor pressure, percent volatile, coefficient of water/oil distribution, flash point & pour point.

**Section 10. Stability & Reactivity:** Contains information on how stable is the chemical & if it reacts to other chemicals and conditions to avoid.

**Section 11. Toxicology Information:** Information either for the ingredient or the product as a whole. Includes routes of exposure; related symptoms, acute & chronic effects; numerical measures of toxicity.

**Section 12. Ecological Information:** Provides information to evaluate the environmental impact of the chemical(s) if it were released into the environment.

**Section 13. Disposal Considerations:** Provides guidance on proper disposal practices, recycling or reclamation of the chemical(s) & safe handling practices.

**Section 14. Transport Information:** What are the shipping requirements, including the packing of the chemical and shipping mode; air, ground or ocean

**Section 15. Regulatory Information:** Safety & environmental health regulations specific for the product in question.

**Section 16. Other Information:** Any other information that may have not been included in other sections; HMIS hazard rating/Diamond Placard – Health/Fire/Reactivity and date of preparation for the SDS.

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

## Chemical Labeling

- Product Identifier:** The ingredient name or number of the pure chemical substance or chemical mixture. The Product Identifier is meant to prevent a worker, shipper, or supply chain partner from accidental or uninformed exposure.
- Signal Word:** "Danger" or "Warning" are used to emphasize hazards and indicate the relative level of severity of the hazard, assigned to a GHS hazard class and category.
- Hazard Statement:** Standard phrases assigned to a hazard class and category that describe the nature of the hazard.
- Precautionary Statement:** A phrase describing recommended measures to minimize or prevent adverse effects resulting from exposure to or improper storage or handling of a hazardous chemical.
- Supplier (manufacture) Information:** Name, address, and telephone number of the manufacturer.
- Hazard Pictogram:** Convey health, physical and environmental hazard information, assigned to a GHS hazard class and category.

**The basic parts of a GHS-compliant label**

1 → **METHANOL**

UN No. 4301  
CAS No. 29-75-6

2 → **DANGER**

3 → Highly flammable liquid and vapor. Toxic if swallowed, in contact with skin or if inhaled. Causes damage to eyes by ingestion.

4 → Keep away from heat, sparks and open flames. No smoking. Keep container tightly closed. Do not breathe vapors. Do not eat, drink or smoke when using this product. Wear protective gloves and clothing. Wash hands thoroughly after handling. Use only outdoors or in a well-ventilated area.

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