## Format for Material Safety Data Sheet

### Section 1: Identification

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Synonyms</th>
<th>Trade Name</th>
<th>Formula</th>
<th>Product Identifier</th>
<th>CAS No: UN. No:</th>
</tr>
</thead>
</table>

Use of Substance/Mixture:
Manufacturer’s Name, Address & Emergency Telephone Number

### Section 2: Hazard Identification

- Classification of Substance/Mixture (GHS)
- Label Elements
- Single Word
- Hazard Statement

### Section 3: Composition/Information of Ingredients

<table>
<thead>
<tr>
<th>Hazardous Component (Specific Chemical Identity, Common Name [s])</th>
<th>Product Identifier</th>
<th>% (Optional)</th>
</tr>
</thead>
</table>

### Section 4: First Aid Measures

- Description of First Aid Measures
- First Aid Measures after Inhalation
- First Aid Measures after Skin Contact
- First Aid Measures after Eye Contact
- First Aid Measures after Ingestion
- Symptoms/Injuries (Acute and Delayed)

### Section 5: Fire Fighting Measures

- Suitable Extinguishing Media
- Special Hazards arising from Substance/Mixture
- Fire Hazard
- Explosion Hazard
- Reactivity
- Fire Fighting Instructions

### Section 6: Accidental Release Measures

- Personal Precautions, Personal Protective Equipment & Emergency Procedures:
- Environment Precautions (Method of Containment & Clean up)

### Section 7: Handling and Storage

- Precautions for Safe Handling:
- Conditions for Safe Storage including incompatibilities:
### Section 8: Exposure Controls/Personal Protections

#### Control Parameters

<table>
<thead>
<tr>
<th>ACGIH TLV-TWA (ppm)</th>
<th>OHSA PEL TWA (mg/m³)</th>
<th>OHSA PEL TWA (ppm)</th>
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</table>

#### Exposure Control

- **Engineering Controls:**
- **Hand Protection:**
- **Eye Protection:**
- **Skin and Body Protection:**
- **Respiratory Protection:**

### Section 9: Physical/Chemical Characteristics

<table>
<thead>
<tr>
<th>Physical State</th>
<th>Colour</th>
<th>Boiling Point</th>
<th>Freezing Point</th>
<th>Vapor Pressure (mm Hg)</th>
<th>Melting Point</th>
<th>Vapor Density (Air=1)</th>
<th>Evaporation Rate</th>
<th>Solubility in Water</th>
<th>Appearance and Odor</th>
<th>Auto Ignition Temperature</th>
<th>Specific Gravity (H₂O=1)</th>
<th>Flammability</th>
<th>LEL:</th>
<th>UEL:</th>
<th>Oxidising Properties</th>
<th>PH</th>
<th>Explosion Data: Sensitivity to Impact</th>
<th>Explosion Data: Sensitivity to Static Discharge</th>
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### Section 10: Stability and Reactivity

- **Reactivity**
- **Chemical Stability**
- **Possibility of Hazardous Reactions**
- **Incompatible Materials**
- **Hazardous Decomposition Products**

### Section 11: Toxicological Information

- **Information on Toxicological Effects**

### Section 12: Ecological Information

- **Information on Ecological Effects**

### Section 13: Disposal Considerations

- **Waste Disposal Methods**
- **Waste Treatment Methods**

### Section 14: Transport Information

- **Hazard Classes**
- **NFPA Hazard Label**
- **Special Transport Precautions**

### Section 15: Regulatory Information

- **National Regulations**
- **International Regulations**

### Section 16: Other Information