

**MATERIAL SAFETY DATA SHEET****Product Name:** Magnesium oxide**CAS No.:** 1309-48-4**Version:** 0**1. Identification**

**Product Code** : 90643,93051  
**Company Name** : Advent Chembio Private Limited  
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**2. Hazards Identification**

**Hazard classification** : Not classified  
**Labels elements**  
**Hazard symbol** : No symbol  
**Signal word** : No Signal word  
**Hazard statement** : Not applicable  
**Precautionary statement** : Not applicable  
**Supplemental Hazard Statements** : None

**3. Composition/information on ingredients**

**Ingredient** : Magnesium oxide  
**CAS No.** : 1309-48-4  
**Percent** : 98.0-100.5%  
**Formula** : MgO  
**Molecular Weight** : 40.30 g/mol

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- General advice** : Consult a physician. Show this safety data sheet to the doctor in attendance.
- Inhalation** : If breathed in, move person into fresh air. If not breathing, give artificial respiration.
- Skin contact** : Wash off with soap and plenty of water.
- Eye contact** : Flush eyes with water as a precaution.
- Swallowed** : Never give anything by mouth to an unconscious person. Rinse mouth with water.
- Most important symptoms and effects, both acute and delayed** : No data available
- Indication of any immediate medical attention and special treatment needed Treatment** : No data available

**5. Fire fighting measures****Extinguishing media**

Suitable extinguishing media : Dry chemical, foam, water spray, carbon dioxide.

**Special hazards arising from the substance or mixture** : Magnesium oxide

**Advice for firefighters** : Wear self contained breathing apparatus for firefighting if necessary.

**6. Accidental Release Measures**

**Personal precautions, protective equipment and emergency procedures** : Avoid breathing vapours, mist or gas. Ensure adequate ventilation.

**Environmental precautions** : No special environmental precautions required.

**Methods and materials for containment and cleaning up** : Keep in suitable, closed containers for disposal.

**7. Handling and storage**

**Precautions for safe handling** : Provide appropriate exhaust ventilation at places where dust is formed.

**Conditions for safe storage,** : Store in cool place. Keep container tightly closed in a dry and

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including any incompatibilities

well-ventilated place. Air and moisture sensitive.

**8. Exposure Controls / Personal Protection**

<b>Exposure limit</b>	: No data available
<b>Appropriate engineering controls</b>	: General industrial hygiene practice.
<b>Personal protective equipment</b>	
Respiratory protection	: No data available
Hand protection	: Protective gloves
Eye protection	: Safety glasses. A face-shield, if the situation requires.
Skin and Body Protection	: Protective clothing. Protective boots, if the situation requires.

**9. Physical and Chemical Properties**

<b>Appearance</b>	: White powder.
<b>Odor</b>	: No data available
<b>pH</b>	: No data available
<b>Melting point/freezing point</b>	: 3,600 °C at 1013 hPa
<b>Initial boiling point and boiling range</b>	: No data available
<b>Flash Point</b>	: No data available
<b>Vapor pressure</b>	: No data available
<b>Vapor density</b>	: No data available
<b>Relative density</b>	: 3.580 g/cm <sup>3</sup>
<b>Solubility in water</b>	: No data available
<b>Solubility (other)</b>	: No data available

**10. Stability and Reactivity**

<b>Reactivity</b>	: No data available
<b>Chemical stability</b>	: Stable under recommended storage conditions.
<b>Possibility of hazardous reactions</b>	: No data available
<b>Conditions to avoid</b>	: Air sensitive.
<b>Incompatible materials</b>	: Strong oxidizing agents, May react violently with:, phosphorous pentachloride, Strong acids
<b>Hazardous decomposition products</b>	: Hazardous decomposition products formed under fire conditions. - Magnesium oxide

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<b>Acute toxicity</b>	:	No data available
<b>Skin corrosion/irritation</b>	:	No data available
<b>Serious eye damage/eye irritation</b>	:	No data available
<b>Respiratory or skin sensitization</b>	:	No data available
<b>Germ cell mutagenicity</b>	:	No data available
<b>Carcinogenicity</b>		
IARC	:	No data available
NTP	:	No data available
OSHA	:	No data available
<b>Reproductive toxicity</b>	:	No data available
<b>Route of Exposure</b>	:	No data available
<b>Signs and Symptoms of Exposure</b>	:	No data available

**12. Ecological Information**

<b>Toxicity</b>	:	No data available
<b>Persistence and degradability</b>	:	No data available
<b>Bioaccumulative potential</b>	:	No data available
<b>Mobility in soil</b>	:	No data available.
<b>Other adverse effects</b>	:	No data available.

**13. Disposal consideration**

<b>Disposal instructions</b>	:	Offer surplus and non-recyclable solutions to a licensed disposal company.
<b>Contaminated packaging</b>	:	Dispose of as unused product.

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	UN No.	UN proper shipping name	Hazard Class(es)	Packaging group	Marine Pollutant
<b>DOT</b>			Not dangerous goods		
<b>IMDG</b>			Not dangerous goods		
<b>IATA</b>			Not dangerous goods		

**15. Regulatory Information**

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

Safety, health and environmental regulations/legislation specific for the substance or mixture  
No Data Available.

**16. Other Information****Issue Date :**02/11/2016**Version : 0**

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