

Safety Data Sheet



Section 1 - Chemical Identification

Product Name: Magnesium Oxide
Catalog Numbers: CI-1359
SDS number: 32
Intended use: Laboratory use

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Section 2 - Hazards Identification

Classification: The substance is not classified.

Label elements: None

Signal Word: None

Precautionary Statement: Avoid breathing dust. Wash thoroughly after handling. Observe good industrial hygiene practices. Store in a dry place. Dispose of waste and residues in accordance with federal/state/local requirements.

Other Hazards: None

Section 3 - Composition, Information on Ingredients

<u>Chemical Name</u>	<u>Common Name</u>	<u>CAS#</u>	<u>%/W</u>
Magnesium, oxide		1309-48-4	<100

Section 4 - First Aid Measures

GENERAL ADVICE: Consult a physician. Show this safety data sheet to the doctor in attendance.

EYES: Flush eyes with plenty of water. **If eye irritation persists:** Seek medical aid.

SKIN: Wash skin with plenty of water. Seek medical aid if irritation develops or persists.

INGESTION: Wash out mouth. Do not induce vomiting unless suggested by a doctor. Seek medical aid.

INHALATION: Remove to fresh air immediately. If symptoms persists seek medical aid.

Section 5 - Fire Fighting Measures

Suitable Extinguishing Media: Use regular dry media or water.

Unsuitable Extinguishing Media: N/A

Hazards Arising from Chemical: Magnesium Oxide.

Specific Methods: Firefighters use standard protective equipment and respiratory equipment.

Section 6 - Accidental Release Measures

Personal Precautions: Use suitable protection equipment when cleaning up any spills.

Recovery method: Avoid dust creation. Gently sweep up, collect in suitable container, use a damp cloth to wipe up dust. Dispose of material in according to local, state and federal regulations.

Section 7: Handling and Storage

Handling: Avoid dust creation. Avoid breathing dust. Wash all areas after handling. Avoid eye, skin and clothing contact. Use in a proper ventilated area.

Storage: Keep container closed when not in use- store in a clean dry and well ventilated environment.
Store away from oxidizing agents.

Section 8 - Exposure Controls, Personal Protection

CAS#	Chemical Name	Form	OSHA PEL(mg/m3)	ACGIH TLV(mg/m3)	NIOSH TWA(mg/m3)
1309-48-4	Magnesium oxide	Respirable Fraction	15	-	-
		Total Dust	-	10	-

Controls: Use adequate ventilation to keep airborne concentrations below the permissible exposure limits.

Eye and Face Protection: Wear appropriate protective eyeglasses or chemical safety goggles.

Skin: Wear appropriate gloves.

Clothing: Wear appropriate protective clothing to prevent contact.

Respirators: Use an approved respirator.

SECTION 9 - Physical and Chemical Properties

Physical state: Solid

Appearance: Off white

Odor: None

PH: Slightly Alkaline.

Vapor pressure: N/A

Vapor density: N/A

Evaporation rate: N/A.

Viscosity: not available.

Boiling point: 51659°C

Freezing/melting point: N/A

Decomposition temperature: N/A.

Solubility in water: Insoluble

Specific gravity: 3.5 g/m³ estimated

Molecular formula: Mg-O

Section 10 - Stability and Reactivity

Stability: Stable under normal temperature and pressure conditions.

Conditions to avoid: No further relevant information.

Hazardous Decomposition: None

Incompatible materials: Strong oxidizing agents, Strong acids, Phosphorus

Section 11 - Toxicological Information

Information on routes of exposure.

Ingestion: Not available

Inhalation: May cause irritation to the respiratory system.

Skin contact Not available

Eye contact: Dust in the eyes will cause irritation..

Information on toxicological effects

Acute toxicity: No data available.

Skin corrosion/irritation: Prolonged skin contact may cause temporary irritation.

Serious eye damage/eye irritation: Dust will cause irritation.

Respiratory sensitization: No data available.

Skin sensitization: No data available.

Germ cell mutagenicity: No data available.

Carcinogenicity OSHA Specifically Regulated

Substances (29 CFR 1910.1001-1050) Not listed.

Reproductive toxicity: No data available.

Specific target organ toxicity - single exposure: No data available.
Specific target organ toxicity - repeated exposure: No data available.
Aspiration hazard: Not available.
Chronic effects: Prolonged inhalation may be harmful.

Section 12 - Ecological Information

Eco-toxicity: No data
Mobility in soil: No data.
Persistence and Degradability: No data
Bio-accumulative Potential: No data.

Section 13 - Disposal Considerations

Dispose of according to applicable federal, state and local regulation.

Section 14 - Transport Information

Not regulated as Dangerous material by DOT / TDG / IMDDG / IATA

Section 15 - Regulatory Information

US Federal Regulations:
CERCLA Sections 102a/103 (40 CFR 302.4): Not regulated.
SARA 313 Title III Section 302: Not regulated.
SARA 313 Title III Section 304: Not regulated
SARA 313 Title III Section 313: Not regulated.
OSHA Process Safety (29 CFR 1910.119): Not regulated.
SARA Title III Sections 311/312 Hazardous Categories: No
TSCA 12(b), Export Notification: Not listed.
Canadian WHMIS: Information is not provided for this material.
State Regulations: California Proposition 65: Not listed.

Section 16 – OTHER INFORMATION

NFPA ratings (scale 0 - 4) Health = 0 Fire = 0 Reactivity = 0
HMIS ratings (scale 0 - 4) Health = 0 Fire = 0 Reactivity = 0

The information provided in the SDS is believed to be correct to the best of our knowledge and is attended only as guidance for the safe use, storage and disposal of the product. Crossings Inc, cannot assure the accuracy of the information provided and shall not be responsible or liable for any damage or losses resulting from use.

Date: October 10, 2015