

IMPORTANT

MATERIAL SAFETY DATA SHEET

READ CAREFULLY BEFORE USING CHEMICAL
This MSDS is required to be kept on file.

Product No. SB 17015 M

Product Name **MAGNESIUM HYDROXIDE**

SECTION I	NAME
Chemical Synonyms	N/A
Formula	Mg(OH) ₂
C.A.S. No.	1309-42-8
Health Hazard	1
Flammability	0
Reactivity	0
Environmental	0

SECTION II HAZARDOUS INGREDIENTS OF MIXTURES

Hazardous Component(s)	%	PEL	TLV Units
Magnesium Hydroxide	100	10 mg/m ³ (nuisance dust)	10 mg/m ³

SECTION III PHYSICAL DATA

Melting Point (°F)	350°C (decomposes)	Specific Gravity (40°C=1)	2.36
Boiling Point (°F)	N/A	Percent Volatile by Volume (%)	< 2% (by wt.)
Vapor Pressure (mm Hg)	None	Evaporation Rate (=1)	0
Density (Air=1)	N/A	Solubility in Water	Insoluble
Appearance & Odor	White powder, odorless.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flammability	Flammable Limits in Air % by Volume	Lower	Upper
N/A		N/A	N/A

This product does not burn.

Special equipment is not required. This product does not burn.

See the MSDS for additional hazards.

Not known.

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SECTION V HEALTH HAZARD DATA

Theoretical Concentration: 2
Nuisance dust: 5mg/m³ (respirable fraction), 10mg/m³ (total) **9998**
Effect of Overexposure:
Dust can produce slight irritation to the eyes and respiratory tract (nose and throat).
Ingestion: Especially of large quantities, can cause diarrhea and abdominal pain.

SECTION VI REACTIVITY DATA

Emergency and First Aid Procedures:
Eye Contact: Flush eyes with water for at least 15 minutes. If irritation develops, consult a physician.
Skin Contact: Contact with the skin does not normally require medical attention. However, it is advisable to flush the affected area with plenty of water to remove any product residue.

Stability: Stable Unstable
Incompatibility (Materials to Avoid): Acids

Hazardous Decomposition Products: Metallic Oxides

Hazardous Polymerization: Conditions to Avoid: N/A
May Occur Will Not Occur

SECTION VII SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled:
Shovel or vacuum spilled product and place in closed containers for further handling and disposal. Do not flush to sewer.

SECTION VIII SPECIAL PROTECTION INFORMATION

Waste Disposal Method: Recycle or rework if at all feasible. Incinerate at an authorized facility.
Discharge, treatment, or disposal may be subject to Federal, State or Local laws. These disposal guidelines are intended for the disposal of small quantities only.

SECTION IX SPECIAL PRECAUTIONS

Required PPE: NIOSH-approved respirator.
Ventilation: X
Personal Protective Equipment: Recommended: Eye Protection, Safety glasses
Lab coat

Store in a cool, dry, well ventilated area.

Empty container can be hazardous because it can retain product residues.