

# MATERIAL SAFETY DATA SHEET

(MSDS)

## Magnesium Carbonate (Block & Powder Chalk)

### SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: magnesium carbonate light  
Molecular Weight: 84.31  
Company Identification:

### SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS

CAS #	Chemical Name	%	EINECS #
546-93-0	MAGNESIUM CARBONATE	100	208-915-9

### SECTION 3 - HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

Appearance: white.

Caution! May cause central nervous system depression. May cause cardiac disturbances. May cause eye and skin irritation. May cause respiratory and digestive tract irritation.

Target Organs: None.

#### Potential Health Effects

Eye:

May cause mild eye irritation.

Skin:

Low hazard for usual industrial handling.

Ingestion:

May cause irritation of the digestive tract.

Excess exposure can cause CNS depression and neurological and cardiac abnormalities.

Inhalation:

May cause respiratory tract irritation.

Chronic:

No information found.

### SECTION 4 - FIRST AID MEASURES

Eyes:

Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower lids. Get medical aid.

Skin:

Immediately flush skin with plenty of soap and water for at least 15 minutes while removing

contaminated clothing and shoes. Get medical aid if irritation develops or persists.

**Ingestion:**  
If victim is conscious and alert, give 2-4 cupfuls of milk or water. Get medical aid immediately.

**Inhalation:**  
Remove from exposure to fresh air immediately. If not breathing, give artificial respiration.  
If breathing is difficult, give oxygen. Get medical aid.

**Notes to Physician:**  
Treat symptomatically and supportively.

**Antidote:**  
The use of Calcium gluconate to precipitate the oxalate should be determined by only qualified medical personnel.

**SECTION 5 - FIRE FIGHTING MEASURES**

**General Information:**  
As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Combustion generates toxic fumes.

**Extinguishing Media:**  
Substance is noncombustible; use agent most appropriate to extinguish surrounding fire.

**Auto-ignition Temperature:** Not available.

**Flash Point:** Not available.

**NFPA Rating:** Not published.

**Explosion Limits, Lower:** Not available.  
**Upper:** Not available.

**SECTION 6 - ACCIDENTAL RELEASE MEASURES**

**General Information:** Use proper personal protective equipment as indicated in Section 8.

**Spills/Leaks:**  
Sweep up or absorb material, then place into a suitable clean, dry, closed container for disposal.  
Avoid generating dusty conditions.

**SECTION 7 - HANDLING and STORAGE**

**Handling:**  
Wash thoroughly after handling. Remove contaminated clothing and wash before reuse.  
Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with skin and eyes. Keep container tightly closed. Avoid ingestion and inhalation.

**Storage:**  
Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

**SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION**

**Engineering Controls:**  
Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

Chemical Name	Exposure Limits		
	ACGIH	NIOSH	OSHA – Final PELs

MAGNESIUM CARBONATE	10 mg/m <sup>3</sup>	none listed	Total dust: 15 mg/m <sup>3</sup> TWA; Respirable fraction: 5 mg/m <sup>3</sup> TWA
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OSHA Vacated PELs:

MAGNESIUM CARBONATE: Total dust: 15 mg/m<sup>3</sup> TWA; respirable fraction: 5 mg/m<sup>3</sup> TWA

Personal Protective Equipment

Eyes:

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133.

Skin:

Wear appropriate protective gloves to prevent skin exposure.

Clothing:

Wear appropriate protective clothing to prevent skin exposure.

Respirators:

Follow the OSHA respirator regulations found in 29CFR 1910.134. Always use a NIOSH-approved respirator when necessary.

## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Solid
Appearance:	white
Odor:	None reported.
pH:	Not available.
Vapor Pressure:	Negligible.
Vapor Density:	Not available.
Evaporation Rate:	Negligible.
Viscosity:	Not available.
Boiling Point:	Not available.
Freezing/Melting Point:	0 deg C
Decomposition Temperature:	Not available.
Solubility:	Not available.
Specific Gravity/Density:	Not available.
Molecular Formula:	MgCO <sub>3</sub>
Molecular Weight:	84.31

## SECTION 10 - STABILITY AND REACTIVITY

Chemical Stability:

Stable under normal temperatures and pressures.

Conditions to Avoid:

Incompatible materials, excess heat.

Incompatibilities with Other Materials:

Acids and formaldehyde.

Hazardous Decomposition Products:

Carbon dioxide, oxides of magnesium.

Hazardous Polymerization: Has not been reported.

## SECTION 11 - TOXICOLOGICAL INFORMATION

RTECS#:  
CAS# 546-93-0: OM2470000  
LD50/LC50:  
Not available.  
Carcinogenicity:  
MAGNESIUM CARBONATE -  
Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.  
Epidemiology:  
No information available.  
Teratogenicity:  
No information available.  
Reproductive Effects:  
No information available.  
Neurotoxicity:  
No information available.  
Mutagenicity:  
No information available.  
Other Studies:  
None.

#### SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity:  
No information available.  
Environmental Fate:  
The substance has a median tolerance limit (TLm) of < 1000ppm/96H.  
Physical/Chemical:  
No information available.  
Other:  
None.

#### SECTION 13 - DISPOSAL CONSIDERATIONS

Dispose of in a manner consistent with federal, state, and local regulations.  
RCRA D-Series Maximum Concentration of Contaminants: Not listed.  
RCRA D-Series Chronic Toxicity Reference Levels: Not listed.  
RCRA F-Series: Not listed.  
RCRA P-Series: Not listed.  
RCRA U-Series: Not listed.  
Not listed as a material banned from land disposal according to RCRA.

#### SECTION 14 - TRANSPORT INFORMATION

US DOT  
Not regulated as a hazardous material.  
IMO  
Not regulated as a hazardous material.  
IATA  
Not regulated as a hazardous material.  
RID/ADR  
Not regulated as a hazardous material.  
Canadian TDG  
No information available.

## SECTION 15 - REGULATORY INFORMATION

### US FEDERAL

#### TSCA

CAS# 546-93-0 is listed on the TSCA inventory.

Health & Safety Reporting List

None of the chemicals are on the Health & Safety Reporting List.

Chemical Test Rules

None of the chemicals in this product are under a Chemical Test Rule.

Section 12b

None of the chemicals are listed under TSCA Section 12b.

TSCA Significant New Use Rule

None of the chemicals in this material have a SNUR under TSCA.

#### SARA

Section 302 (RQ)

None of the chemicals in this material have an RQ.

Section 302 (TPQ)

None of the chemicals in this product have a TPQ.

Section 313

No chemicals are reportable under Section 313.

Clean Air Act:

This material does not contain any hazardous air pollutants.

This material does not contain any Class 1 Ozone depleters.

This material does not contain any Class 2 Ozone depleters.

Clean Water Act:

None of the chemicals in this product are listed as Hazardous Substances under the CWA.

None of the chemicals in this product are listed as Priority Pollutants under the CWA.

None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

OSHA:

None of the chemicals in this product are considered highly hazardous by OSHA.

### STATE

MAGNESIUM CARBONATE can be found on the following state right to know lists: Minnesota.  
California No Significant Risk Level: None of the chemicals in this product are listed.

### European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: Not available.

Risk Phrases:

Safety Phrases:

S 24/25 Avoid contact with skin and eyes.

WGK (Water Danger/Protection)

CAS# 546-93-0:

### Canada

CAS# 546-93-0 is listed on Canada's DSL/NDSL List.

WHMIS: Not available.

CAS# 546-93-0 is not listed on Canada's Ingredient Disclosure List.

### Exposure Limits

CAS# 546-93-0: OEL-AUSTRALIA:TWA 10 mg/m<sup>3</sup>. OEL-BELGIUM:TWA 10 mg/m<sup>3</sup>

A 6 mg/m<sup>3</sup>. OEL-UNITED KINGDOM:TWA 10 mg/m<sup>3</sup>. OEL IN BULGARIA, COLOMBIA,  
JORDAN, KOREA check ACGIH TLV. OEL IN NEW ZEALAND, SINGAPORE, VIETNAM  
check ACGI TLV

**SECTION 16 - ADDITIONAL INFORMATION**

References: Not available.  
Other Special Considerations: Not available.  
Created: 05/14/2013  
Last Updated: 11/06/2018