

SAFETY DATA SHEET

Product name Basic Magnesium Carbonate
Product id 2058
Revision date 03/11/2018 **Version 7.0**
Supersedes 04/09/2017

*According to OSHA Hazard Communication Standard 29 CFR 1910.1200 (HAZCOM 2012-GHS)
According to Canada Hazardous Products Regulation (WHMIS 2015)*

SECTION 1: IDENTIFICATION OF THE SUBSTANCE & THE COMPANY

Product Identifier Basic magnesium Carbonate
Synonyms(s) MagCarb I, MagCarb B, MagCarb, Magnesium carbonate hydroxide, Magnesium carbonate basic, magnesium carbonate
Chemical formula $Mg(CO)_3 \cdot 5H_2O$
Type of product and use For use as a food additive, as an anti-caking, free flowing agent, color retention agent, desiccant or pH modifier, Raw material for cosmetics
Supplier Garrison Minerals LLC
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Denver, CO 80205
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SECTION 2: HAZARDS IDENTIFICATION

GHS Product is not subject to classification according to GHS. No label elements required.
Labels and other form of warning Not required
Symbol(s) Not required
NFPA Ratings (Scale 0-4) Health = 1, Fire = 0, Reactivity = 0.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS No.	Weight %
Basic magnesium carbonate	546-93-0	100

SECTION 4: FIRST-AID MEASURES

Eye contact Holding the eyelids apart, flush eyes promptly with copious flowing water for at least 20 minutes. Get medical attention immediately.

Skin contact Remove contaminated clothing. Wash skin thoroughly with mild soap and plenty of water for at least 15 minutes. Wash clothing before reuse. Get medical attention immediately.

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SECTION 4: FIRST-AID MEASURES

Inhalation In case of dust inhalation or breathing fumes released from heated material, remove person to fresh air. Keep him quiet and warm. Apply artificial respiration if necessary and get medical attention immediately.

Ingestion If swallowed, wash mouth thoroughly with plenty of water. Get medical attention immediately.

NOTE: Never give an unconscious person anything to drink

Most important symptoms and effects, acute or delayed

May be an irritant to eyes, skin and mucous membranes.

Notes to the physician Treat symptomatically and supportively. No specific antidote.

SECTION 5: FIRE-FIGHTING MEASURES

Suitable extinguishing media Material is not combustible. Use extinguishing media appropriate to surrounding fire conditions.

Unusual fire & explosion hazards None known

Firefighting procedure In closed stores, provide fire-fighters with self-contained breathing apparatus in positive pressure mode.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions Wear respirator, chemical safety goggles, rubber gloves and boots
Methods for cleaning up Scoop up and place in a suitable container for waste disposal or possible reuse. Avoid raising dust and ventilate area and wash spill site after material pickup is complete.

Environmental precautions Avoid access to streams, lakes or ponds.

SECTION 7: HANDLING AND STORAGE

Handling Keep containers tightly closed. Avoid bodily contact. Do not breathe dust.

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SECTION 7: HANDLING AND STORAGE

Storage Store in a dry, cool, well-ventilated area away from incompatible materials (see "materials to avoid").

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits:

Components	ACGIH-TLV Data	Korea OEL	OSHA (PEL) Data
Basic Magnesium Carbonate 546-93-0	Not determined	TWA- 10mg/m ³	15 mg/m ³ (total dust) 5 mg/m ³ (respirable fraction)

Ventilation requirements Ventilation must be sufficient to maintain TLV-TWA below 3 mg/m³, respirable particles, and 10 mg/m³, inhalable particles (ACGIH recommendation for Particles (Insoluble or poorly soluble) Not Otherwise Specified (PNOS)).

Personal protective equipment:

- **Respiratory protection** Mask and filter for particles (P).
- **Hand protection** Protective gloves
- **Eye protection** Safety glasses
- **Skin and body protection** Body covering clothes and boots

Hygiene measures Safety shower and eye bath should be provided. Do not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	White powder, odorless
Boiling point/range	Not applicable (decomposes)
Melting point/range	Not applicable
Flash point	Not relevant
Vapor pressure	Not relevant
Vapor density	Not relevant
Density	2.15 g/cm ³
Solubility:	
- Solubility in water	Insoluble
- Solubility in other solvents	Dissolves in acids with evolution of CO ₂

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Auto-ignition temperature	Not applicable
Decomposition temperature	> 230°C (loses CO ₂ and water)
Bulk density	0.1-0.7 g/cm ³
Explosive properties	Not available
Oxidizing properties	Not available

SECTION 10: STABILITY AND REACTIVITY

Reactivity	No reactive hazards known/expected
Stability	Stable under normal conditions
Possibility of hazardous reactions	Not expected to occur
Conditions to avoid	Heating above decomposition temperature
Materials to avoid	Acids
Hazardous decomposition products	CO ₂

SECTION 11: TOXICOLOGICAL INFORMATION

Toxicity:	Substance added directly to human food affirmed as generally recognized as safe (GRAS) according to US FDA requirements.
Acute Toxicity:	No data available
Chronic Toxicity:	Not available
Mutagenicity	No information available
Carcinogenicity	Not classified by IARC Not classified by NTP
Reproductive Toxicity	No information available
Specific Target Organ Toxicity	
- (STOT) Single Exposure	No data available
- (STOT) Repeat Exposure	No data available

SECTION 12: ECOLOGICAL INFORMATION

Aquatic Toxicity:	Not toxic
Persistence and Degradability:	Not relevant for inorganic salts
Bio-accumulative Potential	Not expected to bioaccumulate
Mobility in Soil	Not relevant for inorganic salts

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SECTION 13: DISPOSAL CONSIDERATIONS

Waste disposal	Send to landfill- Observe all federal, state and local environmental regulations when disposing of this material.
Disposal of Packaging	Dispose of in a safe manner in accordance with local/national regulations

SECTION 14: TRANSPORTATION INFORMATION

DOT	Not regulated
IMDG	Not regulated
ICAO/IATA	Not regulated

SECTION 15: REGULATORY INFORMATION

USA	Reported in the EPA TSCA Inventory.
- Massachusetts Right to Know Hazardous Substances List	Listed
- New Jersey Right to Know Hazardous Substances List	Listed
- Rhode Island Right to Know Hazardous Substances List	Listed
Canada	Listed in DSL
EU	Reported in EINECS
EC No.	208-915-9
Australia	Listed in AICS
China inventory	Listed in IECSC
Japan	ENCS no. 1-155 ISHL no. 1-155
Korea	Listed in the Korea Existing Chemicals Inventory (KECI), number KE-22686
New Zealand Inventory	Listed in NZIoC
Philippines	Listed in PICCS
Taiwan	Listed (TCSI)
Thailand	Listed
Vietnam	Listed

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SECTION 16: OTHER INFORMATION

**This data sheet contains changes from the previous version in section(s)
1, 10, 15**

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End of safety data sheet