MATERIAL SAFETY DATA SHEET

Magnesium Carbonate

Date:Jan.01.2025

1. IDENTIFICATION OF SUBSTANCE / MIXTURE AND OF SUPPLIER

Product name: Magnesium Carbonate

Other means of identification: CAS No.13717-00-5

Supplier Details: Shijiazhuang Tianyu Magnesium Co., Ltd
Shijiazhuang City, 051330, Gaoyi, Hebei, China

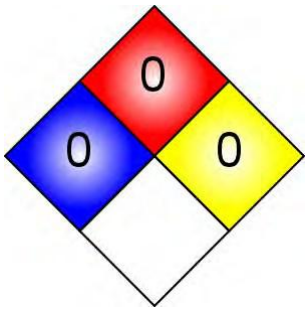
Emergency Contact: **Tell:0086-0311-84036085**
Fax:0086-0311-84031377

2. HAZARDS IDENTIFICATION

Emergency Overview:

OSHA Hazards:
No OSHA hazards

NFPA



GHS Classification(s)
Not a dangerous substance/mixture according to GHS standards.

Other hazards which do not result in classification:

Potential Health Effects:

Organ	Description
Eyes	May be irritating to the eyes
Ingestion	May be irritating to the gastrointestinal tract if ingested.
Inhalation	May be irritating to the respiratory tract if inhaled.
Skin	May be irritating to the skin.

3. COMPOSITION AND INFORMATION ON INGREDIENTS

Chemical identity: Magnesium Carbonate
Common name / Synonym: Magnesium Carbonate, basic; Carbonate magnesium; Hydromagnesite; Magnesium carbonate; Magnesium(II) carbonate; Magnesite
CAS number: 13717-00-5
EINECS number: 208-915-9
ICSC number: 0969
RTECS #: OM2470000

% Weight	Material	CAS
100	Magnesium Carbonate	13717-00-5

4. FIRST AID MEASURES

General advice

Take proper precautions to ensure your own health and safety before attempting rescue and providing first aid. Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

Skin

Wash skin with soap and copious amounts of water.

Inhalation

Remove person to fresh air. If signs/symptoms continue, get medical attention. Give oxygen or artificial respiration as needed.

Eyes

Flush eyes with water as a precaution.

Ingestion

DO NOT induce vomiting. If vomiting does occur, have victim lean forward to prevent aspiration. Rinse mouth with water. Seek medical attention. Never give anything by mouth to an unconscious individual.

5. FIRE FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media:

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Specific hazards arising from the chemical (e.g., nature of any hazardous combustion products):

Carbon oxides, magnesium oxide expected to be the primary hazardous combustion products.

Special protective equipment and precautions for firefighters:

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Keep unopened containers cool by spraying with water.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Do not inhale vapors, mist, or gas. Avoid dust formation.

Environmental precautions:

Stop leak. Contain spill if possible and safe to do so. Prevent product from entering drains.

Methods and materials for containment and cleaning up:

Sweep up and place material in a convenient waste disposal container. Keep container closed.

7. HANDLING AND STORAGE

Precautions for safe handling:

Provide proper exhaust ventilation system in areas where dust forms. Take normal fire prevention measures.

Conditions for safe storage, including any incompatibilites:

Keep container tightly closed in a cool, dry and well-ventilated place. Avoid moisture.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters, e.g., occupational exposure limit values or biological limit values:

Occupational Exposure Limits

Component	Source	Type	Value	Note
Magnesium Carbonate	/		No exposure limit	

Individual protection measures, such as personal protective equipment:

Respiratory protection:

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection:

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Eye protection:

Use chemical safety goggles and/or a full face shield where splashing is possible. Use equipment approved by appropriate government standards, such as NIOSH (US) or EN166 (EU) Maintain eye wash fountain and quick-drench facilities in work area.

Skin and body protection:

Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Hygiene measures:

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance *(physical state, color, etc.)*	Powder. White
Odor	Specific data not available
Odor threshold	Specific data not available
pH	Specific data not available
Freezing point	Melting Point: >450 °C (> 842 °F)
Initial boiling point and boiling range	Specific data not available
Flash point	Specific data not available
Evaporation rate	Specific data not available
Flammability (solid, gas)	Specific data not available
Upper / Lower flammability or explosive limits	Specific data not available
Vapor pressure	Specific data not available
Vapor Density	Specific data not available
Relative Density	2.04 g/ml at 21 °C (69.8 °F)
Solubility(ies)	Moderately Soluble
Partition coefficient n-octanol/water(ies)	Specific data not available
Auto-ignition temperature	Specific data not available
Decomposition temperature	Specific data not available
Formula (MAGNESIUM CARBONATE)	$MgCO_3$
Molecular Weight (MAGNESIUM CARBONATE)	84.31 g/mol

10. STABILITY AND REACTIVITY

Chemical Stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	No data available
Conditions to avoid (e.g., static discharge, shock or vibration)	No data available
Incompatible materials	Strong oxidizing agents, strong acids
Hazardous decomposition products	Carbon oxides and Magnesium oxide are expected to be, under fire conditions, the primary hazardous decomposition products.

11. TOXICOLOGICAL INFORMATION

- Magnesium Carbonate 39409-82-0

Product Summary:
No data available for the mutagenic, teratogenic, or reproductive effects of the product. No data available to designate product as an aspiration hazard or to cause specific target organ toxicity through single or repeated exposure.

Acute Toxicity:

No data available			

Irritation:

Eyes
No data available.

Respiratory or Skin Sensitization
No data available

Skin
No data available

Carcinogenicity
IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable or confirmed human carcinogen by IARC.
ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Other Hazards

Organ	Description
Eyes	Can be irritating to the eyes.
Ingestion	Can be harmful if ingested.
Inhalation	Can be harmful if inhaled. Can be irritating to the respiratory tract.
Skin	Can be harmful if absorbed through skin. Can be irritating to the skin.

12. ECOLOGICAL INFORMATION

- Magnesium Carbonate 39409-82-0

Ecotoxicity (aquatic and terrestrial, where available):
Ecotoxicity
No data available
Persistence and degradability:
No data available

Bioaccumulative potential:
No data available

Other adverse effects:
No data available

13. DISPOSAL CONSIDERATIONS

Description of waste residues and information on their safe handling and methods of disposal, including the disposal of any contaminated packaging:

Recycle, if possible. Consult your local or regional authorities.

14. TRANSPORT INFORMATION

Description of waste residues and information on their safe handling and methods of disposal:

UN number	Not a dangerous good.

IMDG
UN-Number: Not a dangerous good.
Marine pollutant: No
IATA
UN-Number: Not a dangerous good.

IMDG/IMO: Not regulated

15. REGULATORY INFORMATION

Safety, health and environmental regulations specific for the product in question:

OSHA Hazards
No OSHA hazards

All ingredients are on the following inventories or are exempted from listing

Country	Notification
Australia	AICS
Canada	DSL
China	IECS
European Union	EINECS
Japan	ENCS/ISHL
Korea	ECL
New Zealand	NZIoC
Philippines	PICCS
United States of America	TSCA

SARA 302 Components
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components
SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards
No SARA Hazards

CERCLA
No chemicals in this material with known CAS numbers are subject to the reporting requirements of CERCLA

Massachusetts Right To Know Components
No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know Components
Magnesium carbonate hydroxide CAS-No. 13717-00-5

New Jersey Right To Know Components
Magnesium carbonate hydroxide CAS-No. 13717-00-5

California Prop 65 Components
This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

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16. OTHER INFORMATION:
INCLUDING INFORMATION ON PREPARATION AND REVISION OF THE SDS

Disclaimer
We believes that the information on this MSDS was obtained from reliable sources. However, the information is provided without any warranty, expressed or implied, regarding its correctness. Some information presented and conclusions drawn herein are from sources other than direct test data on the substance itself. The conditions or methods of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaims liability for loss damage, or expense arising out of or in any way connected with handling, storage, use, or disposal of this product. If the product is used as a component in another product, this MSDS information may not be applicable. Information is correct to the best of our knowledge at the date of the MSDS publication.