

Material Safety Data Sheet

SECTION 1: Product and Supplier Identification

Product Name: Magnesium Hydroxide USP

INCI Name: Magnesium Di hydroxide, Magnesium Hydroxide, Magnesium (II) Hydroxide
Milk of Magnesia

Magnesium Hydroxide CAS: 1309-42-8

Product Use: Food / Cosmetic Raw Material

Country of Origin: Japan

Supplier: Botanic Planet Canada Inc.

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SECTION 2: Hazards Identification

Emergency Overview

White, odorless powder. Not classified as hazardous under the Globally Harmonized System (GHS) when handled and used as intended.

GHS Classification

Not applicable.

GHS Label Elements

Signal Word:

None

Hazard Statements:

Not applicable.

Precautionary Statements:

Avoid generating dust.

Avoid contact with eyes.

Wash hands thoroughly after handling.

Use appropriate personal protective equipment during industrial handling.

Other Hazards

Dust may cause temporary mechanical irritation to eyes, skin, and respiratory tract.

SECTION 3: Composition / Information on Ingredients

Ingredient	CAS Number	EC Number	Concentration
Magnesium Hydroxide USP	1309-42-8	Not available	99%
Sodium Chloride	7647-14-5	231-598-3	1%

SECTION 4: First Aid Measures

Inhalation

Remove affected person from exposure area and move to fresh air. Keep at rest. Seek medical attention if symptoms persist

Eye Contact

Rinse immediately with plenty of clean water for at least 15 minutes. Remove contact lenses if present and easy to do. Seek medical advice if irritation continues.

Skin Contact

Remove contaminated clothing. Wash affected area thoroughly with soap and water. If irritation persists, seek medical attention.

Ingestion

Rinse mouth with water. Seek medical advice if discomfort or symptoms occur.

Additional Information

When assessing first aid measures, consider the information provided in this SDS.

SECTION 5: Fire-Fighting Measures

Suitable Extinguishing Media

Carbon dioxide (CO₂)

Dry powder extinguishing agents

Foam extinguishers

Unsuitable Extinguishing Media

Avoid applying a direct water jet onto burning materials.

Special Fire Hazards

Product is not flammable. During combustion of surrounding materials, irritating fumes may be produced.

Protective Equipment for Firefighters

Firefighters should wear:

Positive pressure self-contained breathing apparatus (SCBA)

Protective firefighting clothing

Fire-Fighting Procedures

Cool closed containers exposed to heat with water spray. Avoid inhalation of fumes.

SECTION 6: Accidental Release Measures

Personal Precautions

Avoid inhalation of dust.

Avoid direct contact with skin and eyes.

Wear appropriate protective equipment.

Recommended PPE:

Safety glasses

Protective gloves

Suitable protective clothing

Environmental Precautions

Prevent product from entering

Drains

Soil

Surface water

Groundwater

Cleanup Methods

Remove potential contamination sources.

Collect spilled material carefully.

Avoid creating airborne dust.

Place material into suitable disposal containers.

Dispose according to local, provincial, and federal regulations.

SECTION 7: Handling and Storage

Handling Precautions

Follow good manufacturing practices (GMP).

Ensure adequate ventilation.

Avoid unnecessary dust formation.

Do not eat, drink, or smoke while handling.

Maintain good personal hygiene.

Storage Conditions

Store in:

Original sealed containers

Cool, dry, ventilated areas

Protect from:

Moisture

Excessive heat

Direct sunlight

Contamination

Fire Protection

Keep away from ignition sources and open flames. Avoid static discharge accumulation.

SECTION 8: Exposure Controls / Personal Protection

Respiratory Protection

Avoid breathing airborne dust. Use appropriate respiratory protection where ventilation is insufficient.

Ventilation

Provide adequate workplace ventilation

Hand Protection

Use chemically resistant gloves when prolonged contact may occur.

Eye Protection

Wear safety glasses or protective goggles.

Hygiene Practices

Wash hands thoroughly with soap and water after handling.

SECTION 9: Physical and Chemical Properties

Appearance: White powder

Color: White

Odor: Odorless

pH: Not applicable

pH (solution): >10

Relative Evaporation Rate Not applicable

Melting Point: 350°C (decomposes)

Decomposition Temperature: >350°C

Self-Ignition Temperature Does not self-ignite

Flammability: Not applicable

Vapor Pressure: Not applicable

Relative Vapor Density: Not applicable

Density: 2.36 g/cm³

Solubility in Water: 6.9 mg/L

SECTION 10: Stability and Reactivity

Reactivity

No significant reactivity hazards under normal conditions.

Chemical Stability

Stable under recommended storage and handling conditions.

Conditions to Avoid

Avoid:

Strong acids

Strong alkalis
Strong oxidizing agents
Excessive heat
Hazardous Decomposition Products
Under combustion conditions, may produce:
Carbon monoxide
Carbon dioxide
Irritating fumes
Hazardous Polymerization
Will not occur.

SECTION 11: Toxicological Information

Acute Effects

May cause temporary irritation.

Skin Contact

May cause mild skin irritation after prolonged exposure.

Eye Contact

Dust may cause mechanical irritation.

Inhalation

Dust inhalation may cause respiratory discomfort.

Ingestion

Large quantities may cause gastrointestinal discomfort.

SECTION 12: Ecological Information

Biodegradability

No data available.

Environmental Precautions

Prevent uncontrolled release into:

Soil
Surface water
Groundwater

Ecotoxicity

No significant environmental hazard expected under normal conditions of use.

SECTION 13: Disposal Considerations

Dispose of product and packaging according to applicable local, provincial, state, and federal regulations.
Avoid disposal directly into drainage systems or the environment.
Seek expert advice when required.

SECTION 14: Transport Information

Road (ADR/RID)

Not regulated.

Air (IATA/ICAO)

Not regulated.

Sea (IMDG)

Not regulated.

UN Number

Not applicable.

Transport Hazard Class

Not applicable.

Packing Group

Not applicable.

SECTION 15: Regulatory Information

Hazard Classification

Not classified as hazardous.

Symbols

None.

Risk Phrases

None.

Safety Phrases

None.

Regulatory Compliance

This product should be handled in accordance with applicable regulations including:

Canada's Workplace Hazardous Materials Information System (WHMIS), where applicable

Applicable food, cosmetic, and industrial ingredient regulations Local, provincial, federal, and international requirements

SECTION 16: Other Information

Disclaimer. The information contained in this Safety Data Sheet (SDS) is believed to be accurate and is provided in good faith based on information available at the time of preparation. This SDS is intended solely to provide guidance for the safe handling, storage, transportation, use, and disposal of the product. This document does not constitute a warranty, representation, or guarantee of product properties, performance, or suitability for any specific application. The purchaser and user are solely responsible for determining the suitability of this product for their intended use and ensuring compliance with all applicable laws, regulations, and industry standards. Botanic Planet Canada Inc. shall not be liable for any direct, indirect, incidental, or special damages arising from improper handling, storage, transportation, use, processing, or disposal of this product. Any liability shall be limited to the purchase price of the product supplied. Any dispute arising from the sale or use of this product shall be governed by the laws of the Province of Ontario and applicable federal laws of Canada. The courts of the Province of Ontario, Canada shall have exclusive jurisdiction over any such dispute.

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