

MSDS SHEET

1. Identification of Substance/Preparation & Company

PRODUCT NAME: Magnesium Hydroxide USP Powder

INCI: Magnesium Di hydroxide, Magnesium hydroxide, Magnesium (II) hydroxide, milk of magnesia

PRODUCT USE: Food/Cosmetic

ORIGIN: Japan

SUPPLIER: Botanic Planet Canada Inc.

ADDRESS: 2 Bram Ct, Unit # 3-4 Brampton Ontario L6W 3R6 Canada

CAS Number: 90082-21-6

PHONE/FAX: 905-455-4444 / 905-455-8841

Emergency Tel No: (613)-996-6666 CANUTEC 24 HOUR EMERGENCY

2. Hazards Identification

Emergency Overview

GHS Classification

Not applicable.

GHS Label elements, including precautionary statements

Hazard statement(s)

Not applicable.

Precautionary statement(s)

None

3. Composition / Information on Ingredients

Product Name	CAS NO	EC NO	Concentration
Magnesium Hydroxide USP	1309-42-8	-	99%
Sodium Chloride	7647-14-5	231-598-3	1%

4. First-Aid Measure

INHALATION: Remove from exposure site to fresh air. Keep at rest. Obtain medical attention. **EYE CONTACT:** Rinse immediately with plenty of water for at least 15 minutes. Contact a doctor if symptoms persist.

SKIN CONTACT: Remove contaminated clothes. Wash thoroughly with soap & water, flush with plenty of water. If irritation persists, seek medical advice.

INGESTION: Rinse out mouth with water. Seek medical advice immediately.

OTHER: When assessing action take Risk & Safety Phrases into account (Section 15).

5. Fire Fighting Measures

EXTINGUISHING MEDIA: Use CO², Dry Powder or Foam type Extinguishers, spraying extinguishing media to base of flames. Do not use direct water jet on burning material.

SPECIAL MEASURES: Avoid vapour inhalation. Keep away from sources of ignition. Do not smoke. Wear positive pressure self-contained breathing apparatus & protective clothing.

EXTINGUISHING PROCEDURES: Closed containers may build up pressure when exposed to heat and should be cooled with water spray.

6. Accidental Release Measures

PERSONAL PRECAUTIONS: Avoid inhalation & direct contact with skin & eyes. Use individual protective equipment (Safety glasses, waterproof-boots, suitable protective clothing) in case of major spillages. **ENVIRONMENT**

PRECAUTIONS: Keep away from drains, soils, surface & ground waters. **CLEAN UP**

METHODS Remove all potential ignition sources. Contain spilled material. Cover with an inert or **FOR SPILLAGES:** non-combustible inorganic absorbent material, sweep up and remove to an approved disposal container. Observe municipal, federal and local disposal regulations.

7. Handling & Storage

PRECAUTIONS IN HANDLING: Apply good manufacturing practice & industrial hygiene practices, ensuring proper ventilation. Observe good personal hygiene. Do not eat, drink or smoke whilst handling. **STORAGE CONDITIONS:** Store in tightly closed original container, in a cool, dry & ventilated area away from heat sources & protected from light. Keep air contact to a minimum.

FIRE PROTECTION: Keep away from ignition sources & naked flames. Take precautions to avoid static discharges in working area.

8. Exposure Controls/Personal Protection

RESPIRATORY PROTECTION: Avoid breathing product vapour. Apply local ventilation where possible.

VENTILATION: Ensure good ventilation of working area.

HAND PROTECTION: Avoid all skin contact. Use chemically resistant gloves if required.

EYE PROTECTION: Use safety glasses.

WORK / HYGIENE PRACTICES: Wash hands with soap & water after handling.

9. Physical & Chemical Properties

Appearance: Powder

Color: White

Odor: Odorless

pH: N/A

pH solution: >10

Relative evaporation rate (butyl acetate=1) N/A

Melting point: 350°C decomposes

Self ignition temperature: Does not self-ignite

Decomposition temperature: > 350 °C

Flammability (solid, gas): N/A

Vapor pressure: N/A

Relative vapor density at 20 °C

Density: 2.36 g/cm³

Solubility: Water: 6.9 mg/l

Freezing point: N/A

Boiling point: N/A

Flash point: N/A

10. Stability & Reactivity

REACTIVITY: It presents no significant reactivity hazards, by itself or in contact with water. Avoid contact with strong acids, alkali or oxidizing agents.

DECOMPOSITION: Liable to cause smoke & acrid fumes during combustion: carbon monoxide, carbon dioxide and other non-identified organic compounds may be formed.

11. Toxicological Information

May be irritation to skin.

12. Ecological Information

BIODEGRADABILITY: Data not available

PRECAUTIONS: Prevent surface contamination of soil, ground & surface water.

13. Disposal Considerations

Avoid disposing to drainage systems and into the environment. Seek expert advice.

14. Transport Regulations

ROAD (ADR/RID): n/a

AIR (IATA/ICAO): n/a

SEA (IMDG): n/a

CHIP: See section 15

15. Regulatory Information

HAZARDS: n/a

SYMBOLS: n/a

RISK PHRASES: n/a

SAFETY PHRASES: n/a

16. Other Information

Shelf life of this product depends very much on storage conditions, particularly moisture, temperature, exposure to light and air.

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CERTIFICATE OF ANALYSIS

PRODUCT NAME: Magnesium Hydroxide USP Powder

INCI: Magnesium Di hydroxide, Magnesium hydroxide, Magnesium (II) hydroxide, milk of magnesia

LOT NO: BPCMHUSPP122024

EXPAIRY DATE: -December 2028

ORIGIN: - Japan

Properties	Specifications	Results
	Magnesium Hydroxide, as Mg (OH) ₂ , %	98.99
	Calcium, as Cao, %	0.45
	Silicon, as SiO ₂ %	0.20
	iron, as Fe ₂ O ₃ , %	0.11
	Aluminum, as Al ₂ O ₃ , %	0.05
	Chloride, as Cl, %	0.70
	Sulfur, as SO ₃ %	0.01
	Loss On Ignition, %	31.07
	Free Moisture, %	0.4
	Surface Area in, in m ² /gm	10.36
	Median Particle Size, microns	4.18
	Passing 325 Mesh, %	100.0

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