

Material Safety Data Sheet (MSDS)

Product Name: Magnesium Hydroxide Food Grade

MSDS Generate Date: 20-05-2017

Revision Date: 30-12-2024

Supplier:

Rawpharma Biz Pvt Ltd

1101- City Centre 2,

Science City Road,

Sola Ahmedabad Gujarat,

India - 380060.

Contact No.: +91 97272 88479

Email: info@rawpharmabiz.com

Website: www.rawpharmabiz.com

1. Identification of the Substance/Preparation and Company

Product Name: Magnesium Hydroxide

Grade: Food Grade

CAS No.: 1309-42-8

EC No.: 215-170-3

Molecular Formula: $\text{Mg}(\text{OH})_2$

Recommended Use: Food additive, antacid preparations, dietary supplements, pH regulator

2. Hazard Identification

- Classified as **Non-Hazardous** under GHS
- May cause mild irritation to eyes, skin, or respiratory tract if exposed to excessive dust
- Not flammable, non-toxic under normal handling conditions

3. Composition / Information on Ingredients

Chemical Name: Magnesium Hydroxide

Purity: $\geq 98.0\%$ (Food Grade)

Hazardous Ingredients: None

4. First Aid Measures

Eye Contact: Rinse immediately with plenty of water for at least 15 minutes. Seek medical advice if irritation persists.

Skin Contact: Wash with soap and water. Remove contaminated clothing.

Inhalation: Move to fresh air. Seek medical attention if discomfort continues.

Ingestion: Rinse mouth with water. Do not induce vomiting. Seek medical attention if large quantity is ingested.

5. Fire Fighting Measures

Flammability: Non-flammable

Suitable Extinguishing Media: Water spray, dry chemical, foam, CO₂

Special Hazards: None known

Protective Equipment: Standard fire-fighting protective gear

6. Accidental Release Measures

- Avoid dust generation
 - Sweep up and collect into suitable containers
 - Wash contaminated area with water
 - Use personal protective equipment
-

7. Handling and Storage

Handling:

- Handle in accordance with good industrial hygiene practices
- Avoid inhalation of dust

Storage:

- Store in a cool, dry, and well-ventilated area
- Keep container tightly closed
- Protect from moisture

8. Exposure Controls / Personal Protection

Exposure Limits: Not established

Engineering Controls: Adequate ventilation

Personal Protective Equipment:

- Safety goggles
- Dust mask if required
- Protective gloves

9. Physical and Chemical Properties

- **Appearance:** White, odorless powder
- **Odor:** Odorless
- **pH:** Alkaline (suspension)
- **Solubility:** Slightly soluble in water
- **Melting Point:** Decomposes on heating
- **Bulk Density:** Approx. 0.4–0.6 g/cm³

10. Stability and Reactivity

Stability: Stable under normal conditions

Conditions to Avoid: Excessive heat, moisture

Incompatible Materials: Strong acids

Hazardous Decomposition Products: Magnesium oxide

11. Toxicological Information

- Low toxicity

- May cause mild irritation upon prolonged exposure
- Not carcinogenic, mutagenic, or teratogenic

12. Ecological Information

- Not expected to be hazardous to the environment
- No bioaccumulation potential
- No significant aquatic toxicity

13. Disposal Considerations

- Dispose of in accordance with local, regional, and national regulations
- Small quantities can be disposed of as non-hazardous waste

14. Transport Information (Detailed)

Magnesium Hydroxide Food Grade is **not classified as dangerous goods** for transport under international regulations.

UN Number: Not assigned

Proper Shipping Name: Magnesium Hydroxide

Transport Hazard Class: Not regulated

Packing Group: Not applicable

Transport Regulations:

- **ADR/RID (Road/Rail):** Not regulated
- **IMDG (Sea):** Not regulated
- **IATA (Air):** Not regulated

Special Transport Precautions:

- Protect from moisture during transit
- Ensure packaging is sealed and intact
- Avoid exposure to extreme humidity
- Transport in food-grade approved packaging only

Environmental Hazards: None

15. Regulatory Information

- Complies with Food Grade specifications
 - Meets applicable food safety and chemical regulations
 - Not listed as a hazardous substance under GHS
-

16. Other Information

The information provided in this MSDS is believed to be accurate and reliable as of the revision date. It is intended for guidance in safe handling, use, storage, and disposal of the product. The company shall not be held liable for misuse or improper handling.

- **MSDS Generate Date:** 20-05-2017
- **Revision Date:** 30-12-2024
- **Website:** www.rawpharmabiz.com
- MSDS are based on the manufacturer's provided information.