

Material Safety Data Sheet (MSDS)

Product Name: Calcium Carbonate Feed Grade

MSDS Generate Date: 20-05-2017

Revision Date: 30-12-2024

Supplier:

Rawpharma Biz Pvt Ltd

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1. Identification of the Substance/Preparation and Company

- **Product Name:** Calcium Carbonate Feed Grade
- **Synonyms:** Limestone, Calcite, Chalk
- **Recommended Use:** Used as a feed additive and nutritional supplement in animal nutrition.

2. Hazards Identification

- **GHS Classification:** Not classified as hazardous.
- **Hazard Statements:**
 - May cause mechanical irritation to eyes and respiratory tract.
 - Non-toxic under normal use.
- **Precautionary Statements:**
 - Avoid dust formation.

- Use in well-ventilated areas.
- Wear protective eyewear and mask if dust is generated.

3. Composition/Information on Ingredients

- **Chemical Name:** Calcium Carbonate
- **Formula:** CaCO_3
- **CAS Number:** 471-34-1
- **Purity:** $\geq 98\%$ (Feed Grade)
- **Impurities:** Inert, non-hazardous trace minerals.

4. First Aid Measures

- **Inhalation:** Move to fresh air. If irritation persists, seek medical attention.
- **Skin Contact:** Wash with soap and water. No known hazard.
- **Eye Contact:** Rinse immediately with plenty of water for at least 15 minutes. Seek medical attention if irritation persists.
- **Ingestion:** Non-toxic in small amounts. Rinse mouth with water.

5. Firefighting Measures

- **Suitable Extinguishing Media:** Not combustible; use water spray, foam, or dry chemical for surrounding fire.
- **Special Hazards:** None.
- **Protective Equipment:** Standard fire protective equipment.

6. Accidental Release Measures

- Avoid creating dust.
- Sweep up or vacuum material and place in a suitable container.
- Prevent release into drains and watercourses.

7. Handling and Storage

- **Handling:** Avoid dust inhalation; use protective equipment if necessary.
 - **Storage:** Store in a cool, dry, well-ventilated area in tightly closed bags or containers.
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8. Exposure Controls/Personal Protection

- **Occupational Exposure Limits:**
 - OSHA PEL: 15 mg/m³ (total dust), 5 mg/m³ (respirable fraction).
 - ACGIH TLV: 10 mg/m³ (total dust).
 - **Personal Protective Equipment (PPE):**
 - Respiratory: Dust mask if dust exceeds limits.
 - Eye Protection: Safety glasses.
 - Skin: Protective gloves recommended.
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9. Physical and Chemical Properties

- Appearance: White powder or granules
 - Odor: Odorless
 - pH (suspension in water): ~9.5
 - Melting Point: Decomposes at 825°C
 - Solubility: Slightly soluble in water
 - Density: ~2.7 g/cm³
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10. Stability and Reactivity

- **Stability:** Stable under normal conditions.
 - **Conditions to Avoid:** Moisture and strong acids.
 - **Hazardous Decomposition Products:** CO₂ released on reaction with acids.
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11. Toxicological Information

- **Acute Toxicity:** Non-toxic (LD50 > 5000 mg/kg oral, rat).
- **Inhalation:** Dust may cause mechanical irritation.

- **Eye Contact:** May cause irritation.
 - **Carcinogenicity:** Not classified as carcinogenic.
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12. Ecological Information

- **Environmental Impact:** Not harmful to environment in normal concentrations.
 - **Mobility:** Low solubility, remains in soil.
 - **Persistence/Degradability:** Inorganic, non-biodegradable.
 - **Aquatic Toxicity:** Non-toxic.
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13. Disposal Considerations

- Dispose of in accordance with local, regional, and national regulations.
 - Can be disposed of as non-hazardous solid waste.
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14. Transport Information (Detailed)

- **UN Number:** Not regulated as a dangerous good.
- **UN Proper Shipping Name:** Calcium Carbonate, Feed Grade
- **Transport Hazard Class:** Not classified as hazardous.
- **Packing Group:** Not applicable.
- **Environmental Hazards:** Not a marine pollutant.
- **Special Precautions for User:**
 - Avoid generation of dust during handling and transport.
 - Ensure packaging is sealed and secure to prevent spillage.
- **Transport in Bulk (IMDG/IMO):** Not restricted.
- **ADR/RID (Road/Rail Transport):** Not regulated as hazardous material.
- **ICAO/IATA (Air Transport):** Not restricted, safe for air transport.
- **Transport Remarks:** Product is stable, non-combustible, non-flammable, and poses no known transport risks. Packaging should comply with good industry practice to maintain product integrity and prevent dust escape.

15. Regulatory Information

- **India:** Not classified as hazardous under Manufacture, Storage and Import of Hazardous Chemical Rules.
- **EU Regulations:** Not listed as a dangerous substance.
- **US Regulations (OSHA/TSCA):** Listed, non-hazardous.

16. Other Information

- The information contained herein is believed to be accurate and reliable but is provided without warranty.
- This MSDS is intended for use only as guidance for safe handling, use, processing, storage, transportation, and disposal.
- **MSDS Generate Date:** 20-05-2017
- **Revision Date:** 30-12-2024
- **Website:** www.rawpharmabiz.com
- MSDS are based on the manufacturer's provided information.