

Material Safety Data Sheet (MSDS)

Product Name: Di Calcium Phosphate Feed Grade

MSDS Generate Date: 20-05-2017

Revision Date: 30-12-2024

Manufacturer / Supplier:

SBF Pharma

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1. Identification of the Substance/Preparation and Company

- **Product Name:** Di Calcium Phosphate Feed Grade
- **Synonyms:** DCP, Calcium Hydrogen Phosphate
- **Intended Use:** Nutritional feed additive for animals

2. Hazard Identification

- **Classification (GHS):** Not classified as hazardous
 - **Hazard Statement:** Generally regarded as safe under normal handling conditions
 - **Precautionary Statement:** Avoid inhalation of dust; use protective equipment
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3. Composition / Information on Ingredients

Component	CAS No.	% Purity
Di Calcium Phosphate	7757-93-9	≥ 98%
Trace Moisture/Impurities	—	≤ 2%

4. First Aid Measures

- **Inhalation:** Move to fresh air, seek medical advice if irritation persists.
 - **Skin Contact:** Wash with soap and water.
 - **Eye Contact:** Rinse thoroughly with water, seek medical attention if irritation continues.
 - **Ingestion:** Non-toxic in small amounts, rinse mouth with water.
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5. Fire Fighting Measures

- **Flammability:** Non-combustible
 - **Suitable Extinguishing Media:** Water, CO₂, dry chemical, foam (if surrounding fire)
 - **Special Protective Equipment:** Use self-contained breathing apparatus for surrounding fire.
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6. Accidental Release Measures

- Avoid creating dust.
 - Sweep up and place in appropriate container.
 - Wash area with water.
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7. Handling and Storage

- Handle with care to avoid dust generation.

- Store in a cool, dry, and well-ventilated area.
- Keep containers tightly closed.

8. Exposure Controls / Personal Protection

- **Occupational Exposure Limit:** Not established
- **Respiratory Protection:** Dust mask if exposure limits are exceeded
- **Eye Protection:** Safety glasses
- **Skin Protection:** Gloves and protective clothing

9. Physical and Chemical Properties

- **Appearance:** White crystalline powder
- **Odor:** Odorless
- **Solubility:** Slightly soluble in water
- **Molecular Formula:** $\text{CaHPO}_4 \cdot 2\text{H}_2\text{O}$
- **Molecular Weight:** ~172 g/mol (anhydrous)
- **Melting Point/Decomposition:** > 200 °C (decomposes)
- **Density:** ~2.9 g/cm³

10. Stability and Reactivity

- **Stability:** Stable under normal conditions
- **Incompatible Materials:** Strong acids (release phosphoric acid), strong oxidizers
- **Hazardous Decomposition:** Phosphorus oxides, calcium oxides

11. Toxicological Information

- **Acute Toxicity:** Non-toxic for animals and humans in feed-grade form
 - **Irritation:** Dust may cause mild eye/respiratory irritation
 - **Chronic Effects:** No known chronic hazards
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12. Ecological Information

- **Ecotoxicity:** Not expected to be hazardous to the environment
 - **Persistence/Degradability:** Stable, inorganic substance
 - **Bioaccumulative Potential:** Negligible
 - **Mobility in Soil:** Low mobility
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13. Disposal Considerations

- Dispose of in accordance with local regulations.
 - Can be used as animal feed additive; otherwise treat as non-hazardous waste.
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14. Transport Information (Detailed)

- **UN Number:** Not regulated as a dangerous good
- **UN Proper Shipping Name:** Not applicable (Di Calcium Phosphate – Feed Grade)
- **Transport Hazard Class(es):** Not classified
- **Packing Group:** Not applicable
- **Environmental Hazards:** None known
- **Transport in bulk (IMO/IMDG):** Not regulated
- **ADR/RID (Europe):** Not classified as hazardous
- **IATA (Air Transport):** Not regulated, no restrictions

- **IMDG (Sea Transport):** Not regulated, non-hazardous for sea shipment
 - **Special Precautions for User:**
 - Avoid dust release during transport
 - Store in dry, sealed packaging to prevent moisture uptake
 - Transport in well-closed HDPE bags, jumbo bags, or drums
 - **HS Code (for reference):** 28352500 (Di Calcium Phosphate – Feed Grade)
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15. Regulatory Information

- Complies with feed additive standards in multiple regions
 - Not classified under GHS for hazardous chemicals
 - Not listed under restricted/banned substances
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16. Other Information

- This information is believed to be accurate and represents the best knowledge available as of the revision date.
- Users should make independent judgment for the suitability of this product in specific applications.
- **MSDS Generate Date:** 20-05-2017
- **Revision Date:** 30-12-2024
- **Website:** www.sbfpharma.com
- MSDS are based on the manufacturer's provided information.