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**CIN:** U24230GJ2011PTC064654

# Material Safety Data Sheet (MSDS)

**Product Name:** Di Calcium Phosphate Anhydrous Food 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 Anhydrous (Food Grade)
- **Chemical Formula:**  $\text{CaHPO}_4$
- **Synonyms:** Calcium Hydrogen Phosphate, DCP Anhydrous
- **Intended Use:** Food additive, nutritional supplement, pharmaceutical excipient.

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## 2. Hazards Identification

- **GHS Classification:** Not classified as hazardous.
- **Hazard Statements:** Not considered hazardous under normal handling and use.
- **Precautionary Statements:** Avoid inhalation of dust; use in well-ventilated areas.
- **Emergency Overview:** White, odorless powder/granules.

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### 3. Composition / Information on Ingredients

- **Chemical Name:** Di Calcium Phosphate Anhydrous
- **CAS Number:** 7757-93-9
- **EC Number:** 231-826-1
- **Purity:**  $\geq 98\%$

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### 4. First Aid Measures

- **Inhalation:** Move person to fresh air; seek medical attention if irritation persists.
- **Skin Contact:** Wash with soap and water.
- **Eye Contact:** Rinse with plenty of water for at least 15 minutes; seek medical advice if irritation persists.
- **Ingestion:** Non-toxic in small quantities; rinse mouth with water.

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### 5. Fire-Fighting Measures

- **Suitable Extinguishing Media:** Use water, CO<sub>2</sub>, foam, or dry chemical.
- **Special Hazards:** Not combustible; may release calcium oxide and phosphorus oxides upon decomposition.
- **Protective Equipment:** Firefighters should wear suitable protective gear.

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### 6. Accidental Release Measures

- Avoid dust formation.
- Sweep up and collect in suitable container.
- Wash spill area with water.

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### 7. Handling and Storage

- **Handling:** Avoid creating dust; use appropriate PPE.
- **Storage:** Store in a cool, dry, well-ventilated area. Keep container tightly closed.

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## 8. Exposure Controls / Personal Protection

- **Exposure Limits:** Not established.
- **Engineering Controls:** Provide adequate ventilation.
- **Personal Protective Equipment (PPE):**
  - Respiratory: Dust mask if airborne dust is present.
  - Eyes: Safety glasses.
  - Skin: Gloves and protective clothing.

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## 9. Physical and Chemical Properties

- Appearance: White crystalline powder/granules
- Odor: Odorless
- Solubility: Slightly soluble in water
- pH (10% suspension): ~6.5 – 7.5
- Melting Point: > 200°C (decomposes)
- Bulk Density: 0.5 – 1.0 g/cm<sup>3</sup>

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## 10. Stability and Reactivity

- **Stability:** Stable under normal conditions.
- **Incompatible Materials:** Strong acids.
- **Hazardous Decomposition:** Calcium oxide, phosphorus oxides.

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## 11. Toxicological Information

- **Acute Toxicity:** Non-toxic at typical exposure levels.
- **Irritation:** May cause mild mechanical irritation to eyes and respiratory tract.
- **Chronic Effects:** No known adverse chronic effects.

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## 12. Ecological Information

- **Environmental Impact:** Not harmful to the environment.
  - **Persistence/Degradability:** Inorganic compound, stable in nature.
  - **Bioaccumulation:** Not expected.
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### 13. Disposal Considerations

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

- **UN Number:** Not applicable (Non-hazardous).
  - **UN Proper Shipping Name:** Di Calcium Phosphate Anhydrous (Food Grade).
  - **Transport Hazard Class:** Not classified as dangerous for transport.
  - **Packing Group:** Not applicable.
  - **Label Requirements:** None required.
  - **Marine Pollutant:** No.
  - **Special Precautions for User:** Avoid generating dust during loading/unloading. Ensure packaging is secure to prevent spillage.
  - **Transport by Road (ADR/RID):** Not restricted.
  - **Transport by Air (IATA):** Not restricted.
  - **Transport by Sea (IMDG):** Not restricted.
  - **Inland Waterways (ADN):** Not restricted.
  - **Bulk Transport (MARPOL/IBC Code):** Not applicable as substance is non-hazardous.
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### 15. Regulatory Information

- **Regulation (EC) No 1272/2008 (CLP):** Not classified.
- **OSHA Hazard Communication:** Not hazardous.
- **Food Grade Approval:** Complies with IP/BP/USP/Food Grade standards as applicable.

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## 16. Other Information

- **Disclaimer:** The information provided is based on current knowledge and experience. It does not constitute a legally binding assurance of product properties. Users must ensure suitability for intended use.
- **MSDS Generate Date:** 20-05-2017
- **Revision Date:** 30-12-2024
- **Website:** [www.sbfpharma.com](http://www.sbfpharma.com)
- MSDS are based on the manufacturer's provided information.