

Material Safety Data Sheet (MSDS)

Product Name: Di Calcium Phosphate Anhydrous IP 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:** Di Calcium Phosphate Anhydrous
- **Synonyms:** Calcium Hydrogen Phosphate Anhydrous
- **Molecular Formula:** CaHPO_4
- **Molecular Weight:** 136.06 g/mol
- **Recommended Use:** Pharmaceutical excipient (IP Grade), food additive, feed supplement, laboratory reagent.

2. Hazards Identification

- **GHS Classification:** Not classified as hazardous under GHS.
- **Hazard Statements:** Non-hazardous under normal handling and storage.
- **Precautionary Statements:** Avoid dust formation. Use protective equipment during handling.
- **Physical/Chemical Hazards:** May cause mechanical irritation to eyes/respiratory tract in dust form.

3. Composition / Information on Ingredients

- **Chemical Name:** Di Calcium Phosphate Anhydrous
- **CAS No.:** 7757-93-9
- **EC No.:** 231-826-1
- **Purity:** $\geq 98\%$

4. First Aid Measures

- **Inhalation:** Move to fresh air. Seek medical advice if irritation persists.
- **Skin Contact:** Wash with soap and water. Seek medical attention if irritation develops.
- **Eye Contact:** Rinse with plenty of water. Seek medical advice if irritation continues.
- **Ingestion:** Rinse mouth. If discomfort occurs, seek medical attention.

5. Fire Fighting Measures

- **Suitable Extinguishing Media:** Water spray, dry chemical, foam, or CO₂.
- **Hazardous Combustion Products:** None known.
- **Special Protective Equipment:** Firefighters should wear protective gear and self-contained breathing apparatus.

6. Accidental Release Measures

- Avoid dust formation.
- Sweep up and place in suitable container for disposal.
- Ventilate area and use PPE.

7. Handling and Storage

- **Handling:** Use in well-ventilated areas. Avoid dust inhalation.
- **Storage:** Store in a dry, cool place. Keep container tightly closed.

8. Exposure Controls / Personal Protection

- **Exposure Limits:** Not established.
 - **Engineering Controls:** Provide adequate ventilation.
 - **PPE:**
 - Respiratory: Dust mask recommended.
 - Hands: Protective gloves.
 - Eyes: Safety goggles.
 - Skin: Protective clothing if necessary.
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9. Physical and Chemical Properties

- **Appearance:** White crystalline powder
 - **Odor:** Odorless
 - **pH (10% solution):** ~6.0 – 7.5
 - **Melting Point:** Decomposes > 400°C
 - **Solubility:** Slightly soluble in water (0.02 g/100 mL at 25°C)
 - **Bulk Density:** ~0.8 – 1.0 g/cm³
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10. Stability and Reactivity

- **Stability:** Stable under normal conditions.
 - **Reactivity:** Non-reactive under normal use.
 - **Incompatible Materials:** Strong acids.
 - **Hazardous Decomposition:** None under normal conditions.
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11. Toxicological Information

- **Acute Toxicity:** Not toxic at typical exposure levels.
- **Skin/Eye Irritation:** Mild mechanical irritation possible.
- **Inhalation:** Dust may irritate respiratory system.
- **Chronic Effects:** Not known.

12. Ecological Information

- **Eco-toxicity:** Not expected to be harmful to the environment.
- **Persistence/Degradability:** Inorganic compound, stable.
- **Bioaccumulation:** Not expected.

13. Disposal Considerations

- Dispose of material in accordance with local, regional, and national regulations.
- Avoid release into drains or natural water systems.

14. Transport Information (Detailed)

- **UN Number:** Not applicable (non-hazardous).
- **UN Proper Shipping Name:** Not regulated for transport.
- **Transport Hazard Class:** Not applicable.
- **Packing Group:** Not applicable.
- **Environmental Hazards:** Not classified as marine pollutant.
- **Special Precautions for User:** Avoid generating dust during transport/loading/unloading.
- **Transport in Bulk (per IMO/IMDG):** Not regulated.
- **ADR/RID (Europe):** Not classified as hazardous; no restrictions.
- **IMDG (Sea):** Not hazardous; not restricted for sea transport.
- **IATA (Air):** Not hazardous; no restrictions for air cargo.
- **Additional Information:**
 - Safe to transport in standard packaging (HDPE bags, drums, or bulk).
 - Ensure packaging is sealed, dry, and free from contamination.
 - Protect from moisture during transport.
 - No special labeling or hazard placards required.

15. Regulatory Information

- **EU Regulation (EC) No 1272/2008 (CLP):** Not classified.
- **US OSHA Hazards:** Non-hazardous.
- **India BIS/Drugs & Cosmetics Act:** Conforms to IP Grade standards.

16. Other Information

- The information provided is believed to be accurate and is given in good faith.
- This MSDS is intended as a safety guideline and does not represent any guarantee of the product properties.
- Users are responsible for ensuring compliance with local laws and handling practices.
- **MSDS Generate Date:** 20-05-2017
- **Revision Date:** 30-12-2024
- **Website:** www.rawpharmabiz.com
- MSDS are based on the manufacturer's provided information.