

Material Safety Data Sheet (MSDS)

Product Name: Calcium Hydrogen Phosphate Anhydrous BP/USP 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 Hydrogen Phosphate Anhydrous BP/USP Grade

Chemical Name: Calcium Hydrogen Phosphate (Anhydrous)

Synonyms: Dibasic Calcium Phosphate, DCP Anhydrous

Chemical Formula: CaHPO_4

Molecular Weight: 136.06 g/mol

CAS No.: 7757-93-9

2. Hazard Identification

GHS Classification: Not classified as hazardous under GHS.

Hazard Nature:

- May cause mild irritation to eyes and respiratory tract due to dust.
- Prolonged inhalation of dust may cause respiratory discomfort.

Signal Word: None

Hazard Statements: Not classified as hazardous.

3. Composition / Information on Ingredients

Calcium Hydrogen Phosphate (Anhydrous)

CAS No.: 7757-93-9

Purity: $\geq 98\%$

Chemical Formula: CaHPO_4

No hazardous impurities present as per BP/USP specification.

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 immediately with plenty of water for at least 15 minutes. Seek medical attention if irritation continues.

Ingestion: Rinse mouth with water. Seek medical attention if large quantity is swallowed.

5. Fire Fighting Measures

Flammability: Non-combustible.

Suitable Extinguishing Media: Water spray, dry chemical, foam, or CO_2 .

Hazardous Combustion Products: Oxides of phosphorus and calcium at high temperature.

Protective Equipment: Self-contained breathing apparatus.

6. Accidental Release Measures

- Avoid dust formation.
 - Wear appropriate protective equipment.
 - Sweep or vacuum carefully to avoid dust dispersion.
 - Dispose in accordance with local regulations.
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7. Handling and Storage

Handling:

- Avoid inhalation of dust.
- Avoid contact with eyes.
- Use adequate ventilation.

Storage:

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

8. Exposure Controls / Personal Protection

Engineering Controls: Local exhaust ventilation recommended.

Personal Protective Equipment:

- Dust mask if required
- Protective gloves
- Safety goggles
- Protective clothing

9. Physical and Chemical Properties

Appearance: White crystalline powder

Odor: Odorless

pH (10% suspension): 6.5 – 7.5

Solubility: Slightly soluble in water; soluble in dilute acids

Bulk Density: 0.6 – 1.0 g/cm³

Melting Point: Decomposes before melting

10. Stability and Reactivity

Stable under normal conditions.

Avoid moisture and strong acids.

Decomposition may produce phosphorus oxides.

11. Toxicological Information

Low acute toxicity.

May cause mild mechanical irritation to eyes and respiratory tract.

No known chronic toxicity effects.

12. Ecological Information

Not expected to be environmentally hazardous.

Inorganic substance with low bioaccumulation potential.

13. Disposal Considerations

Dispose in accordance with local, state, and national regulations.

Avoid contamination of water sources.

14. Transport Information (Detailed)

UN Number: Not regulated

UN Proper Shipping Name: Not applicable

Transport Hazard Class: Not classified as dangerous goods

Packing Group: Not applicable

Road Transport (ADR/RID): Not classified as hazardous material. No special labeling required.

Sea Transport (IMDG): Not regulated as dangerous goods. Not classified as marine pollutant.

Air Transport (IATA): Not restricted as dangerous goods.

Special Precautions:

- Protect from moisture during transportation.
- Ensure packaging is intact and sealed.
- Avoid dust generation during handling and transit.

15. Regulatory Information

Conforms to BP/USP standards.

Not classified as hazardous under GHS regulations.

16. Other Information

The information provided is based on current knowledge and is intended for safety guidance only. It does not constitute a warranty of product properties. Users are responsible for ensuring safe 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.