

Material Safety Data Sheet (MSDS)

Product Name: Mono Calcium Phosphate 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: Mono Calcium Phosphate – Feed Grade

Chemical Formula: $\text{Ca}(\text{H}_2\text{PO}_4)_2 \cdot \text{H}_2\text{O}$

CAS No.: 7758-23-8

2. Hazard Identification

- Not classified as hazardous under normal handling and usage conditions.
- May cause mild irritation to eyes, skin, and respiratory tract due to dust.
- Non-flammable, non-toxic, stable under normal conditions.

3. Composition / Information on Ingredients

- **Mono Calcium Phosphate ($\text{Ca}(\text{H}_2\text{PO}_4)_2 \cdot \text{H}_2\text{O}$)** – Main ingredient.
- Purity: Typically $\geq 98\%$ (Feed Grade).
- No other hazardous impurities present.

4. First Aid Measures

- **Inhalation:** Move to fresh air. If irritation persists, seek medical attention.
- **Skin Contact:** Wash with soap and water. Remove contaminated clothing.
- **Eye Contact:** Rinse thoroughly with plenty of water for at least 15 minutes. Seek medical attention if irritation continues.
- **Ingestion:** Rinse mouth with water. Do not induce vomiting. Seek medical advice if large quantities are ingested.

5. Firefighting Measures

- Non-flammable substance.
- Use water spray, dry chemical, foam, or CO₂ for surrounding fire.
- Firefighters should wear protective equipment to avoid inhaling dust/fumes.

6. Accidental Release Measures

- Avoid dust formation.
- Sweep up and collect in suitable containers for reuse or disposal.
- Avoid discharge into drains, surface water, or soil.

7. Handling and Storage

- Handle in well-ventilated areas, minimize dust generation.
- Store in a cool, dry place away from moisture.
- Keep containers tightly closed.

8. Exposure Controls / Personal Protection

- **Respiratory Protection:** Dust mask if dust is generated.
- **Hand Protection:** Protective gloves.
- **Eye Protection:** Safety goggles.
- **Skin Protection:** Protective clothing.

9. Physical and Chemical Properties

- Appearance: White crystalline powder
- Odor: Odorless
- Solubility: Soluble in water
- pH (1% solution): ~3.5 – 4.0
- Melting Point: Decomposes on heating
- Bulk Density: ~0.8 – 1.0 g/cm³

10. Stability and Reactivity

- Stable under normal storage and handling conditions.
- Avoid excessive moisture and strong bases.
- Hazardous decomposition products: Phosphorus oxides may form at high temperatures.

11. Toxicological Information

- Low toxicity.
- LD50 (Oral, Rat): > 2000 mg/kg (estimated).
- May cause mild irritation to skin, eyes, and respiratory tract due to dust.
- Not classified as carcinogenic, mutagenic, or toxic to reproduction.

12. Ecological Information

- Non-toxic to aquatic life at standard usage levels.
- Biodegradable and not bio-accumulative.
- Excessive release may contribute to eutrophication in water bodies.

13. Disposal Considerations

- Dispose in accordance with local, regional, and national regulations.

- Can be used as a fertilizer or feed supplement if not contaminated.
 - Do not discharge into watercourses without proper treatment.
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14. Transport Information (Detailed)

- **UN Number:** Not applicable (Not classified as dangerous goods).
 - **Proper Shipping Name:** Mono Calcium Phosphate Feed Grade
 - **Transport Hazard Class:** Not classified as hazardous.
 - **Packing Group:** Not regulated.
 - **Label Requirements:** No special labeling required.
 - **Environmental Hazards:** Not environmentally hazardous under transport regulations.
 - **Transport in Bulk (IMDG, IBC Code):** Not regulated for bulk transport.
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15. Regulatory Information

- Complies with FAO/WHO Codex standards for feed-grade phosphates.
 - Not classified as hazardous under EU CLP or OSHA standards.
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16. Other Information

- Intended Use: Feed additive, nutritional supplement for animals.
- Ensure product is used in accordance with local regulations and feed standards.
- Information provided here is believed to be accurate and reliable but does not constitute a legally binding assurance.
- **MSDS Generate Date:** 20-05-2017
- **Revision Date:** 30-12-2024
- **Website:** www.rawpharmabiz.com
- MSDS are based on the manufacturer's provided information.