

Material Safety Data Sheet (MSDS)

Product Name: Sodium Monofluorophosphate

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:** Sodium Monofluorophosphate
- **Synonyms:** Sodium Mono Fluoro Phosphate, SMFP
- **Chemical Formula:** $\text{Na}_2\text{PO}_3\text{F}$
- **Recommended Use:** Pharmaceutical, oral care formulations, industrial applications

2. Hazard Identification

- **GHS Classification:** Not classified as hazardous under normal conditions of use
- **Potential Health Effects:**
 - Inhalation: May cause irritation to respiratory tract
 - Skin Contact: May cause mild irritation
 - Eye Contact: Causes eye irritation
 - Ingestion: Harmful if swallowed in large quantities

- **Signal Word:** Warning
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3. Composition / Information on Ingredients

- **Chemical Name:** Sodium Monofluorophosphate
 - **CAS No.:** 10163-15-2
 - **Purity:** $\geq 98\%$
 - **EC No.:** 233-433-0
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4. First Aid Measures

- **Inhalation:** Move to fresh air. Seek medical attention if symptoms persist
 - **Skin Contact:** Wash with soap and water
 - **Eye Contact:** Rinse cautiously with water for several minutes
 - **Ingestion:** Rinse mouth. Do not induce vomiting. Seek medical advice
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5. Fire-Fighting Measures

- **Flammable:** No
 - **Suitable Extinguishing Media:** Water spray, foam, dry chemical, CO₂
 - **Special Hazards:** Decomposition may release fluoride fumes
 - **Protective Equipment:** Self-contained breathing apparatus
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6. Accidental Release Measures

- Avoid dust formation
 - Use protective equipment
 - Sweep up and collect in suitable containers
 - Dispose of according to local regulations
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7. Handling and Storage

- **Handling:** Avoid inhalation of dust and contact with eyes
 - **Storage:** Store in a cool, dry, well-ventilated area
 - **Incompatibilities:** Strong acids, oxidizing agents
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8. Exposure Controls / Personal Protection

- **Engineering Controls:** Adequate ventilation
 - **Personal Protective Equipment:**
 - Gloves
 - Safety goggles
 - Dust mask or respirator if necessary
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9. Physical and Chemical Properties

- **Appearance:** White crystalline powder
 - **Odor:** Odorless
 - **pH (1% solution):** 8.0 – 9.0
 - **Solubility:** Soluble in water
 - **Melting Point:** Decomposes on heating
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10. Stability and Reactivity

- **Stability:** Stable under normal conditions
 - **Conditions to Avoid:** Excessive heat, moisture
 - **Hazardous Decomposition Products:** Fluoride compounds
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11. Toxicological Information

- **Acute Toxicity:** Low toxicity at recommended levels
- **Chronic Effects:** Excessive exposure may affect bones and teeth
- **Routes of Exposure:** Inhalation, ingestion

12. Ecological Information

- **Ecotoxicity:** Not expected to be hazardous to aquatic life
- **Persistence and Degradability:** Inorganic, not biodegradable
- **Bioaccumulation:** Not expected

13. Disposal Considerations

- Dispose of in accordance with local, regional, and national regulations
- Do not discharge into drains or water bodies

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

Mode-wise Transport Details:

- **Road Transport (ADR/RID):**
 - Not regulated as hazardous
 - Can be transported in sealed, labeled containers
- **Sea Transport (IMDG):**
 - Not classified as dangerous goods
 - No marine pollutant designation
- **Air Transport (IATA):**
 - Not restricted
 - Proper packaging required to prevent leakage

Special Transport Precautions:

- Protect from moisture

- Ensure containers are tightly closed
 - Avoid dust generation during transport
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15. Regulatory Information

- Complies with applicable chemical safety regulations
 - Not listed as a controlled hazardous substance
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16. Other Information

- The information provided is based on current knowledge and experience
- This MSDS is intended as guidance for safe handling, storage, and disposal
- User is responsible for compliance with applicable laws and regulations
- **MSDS Generate Date:** 20-05-2017
- **Revision Date:** 30-12-2024
- **Website:** www.rawpharmabiz.com
- MSDS are based on the manufacturer's provided information.