

Material Safety Data Sheet (MSDS)

Product Name: Tetra Sodium Pyrophosphate Anhydrous Food Grade

MSDS Generate Date: 20-05-2017

Revision Date: 30-12-2024

Supplier:

Rawpharma Biz Pvt Ltd
1101- City Centre 2,
Science City Road,
Sola Ahmedabad Gujarat,
India - 380060.

Contact No.: +91 97272 88479

Email: info@rawpharmabiz.com

Website: www.rawpharmabiz.com

1. Identification of the Substance/Preparation and Company

- **Product Name:** Tetra Sodium Pyrophosphate Anhydrous
- **Grade:** Food Grade
- **CAS No.:** 7722-88-5
- **Molecular Formula:** $\text{Na}_4\text{P}_2\text{O}_7$
- **Molecular Weight:** 265.9 g/mol
- **Recommended Use:** Food additive, buffering agent, emulsifier, sequestrant
- **Restrictions on Use:** Not for pharmaceutical injection use

2. Hazard Identification

- **Classification:** Not classified as hazardous under GHS for food-grade use
- **Potential Hazards:**
 - Mild irritation to eyes, skin, or respiratory tract on excessive exposure

- **Label Elements:**
 - Avoid dust formation
 - Use appropriate personal protective equipment
-

3. Composition / Information on Ingredients

- **Chemical Name:** Tetra Sodium Pyrophosphate
 - **Purity:** ≥ 99% (Food Grade)
 - **Impurities:** Within food-grade permissible limits
-

4. First Aid Measures

- **Inhalation:**
Move to fresh air. Seek medical attention if discomfort persists.
 - **Skin Contact:**
Wash with soap and plenty of water.
 - **Eye Contact:**
Rinse cautiously with clean water for at least 15 minutes.
 - **Ingestion:**
Rinse mouth with water. Do not induce vomiting. Seek medical advice if large quantities are ingested.
-

5. Fire-Fighting Measures

- **Flammability:** Non-flammable
 - **Suitable Extinguishing Media:** Water spray, dry chemical, foam, CO₂
 - **Special Hazards:**
Thermal decomposition may release phosphorus oxides and sodium oxides
 - **Protective Equipment:** Self-contained breathing apparatus
-

6. Accidental Release Measures

- Avoid dust generation
- Sweep or vacuum spilled material into suitable containers

- Dispose according to local regulations
-

7. Handling and Storage

- **Handling:**
Avoid inhalation of dust. Use adequate ventilation.
 - **Storage:**
Store in a cool, dry, well-ventilated area
Keep container tightly closed and away from moisture
-

8. Exposure Controls / Personal Protection

- **Engineering Controls:** Adequate ventilation
 - **Personal Protective Equipment:**
 - Gloves
 - Safety goggles
 - Dust mask or respirator (if dusty conditions)
-

9. Physical and Chemical Properties

- **Appearance:** White crystalline powder
 - **Odor:** Odorless
 - **pH (1% solution):** Alkaline
 - **Solubility:** Soluble in water
 - **Melting Point:** Decomposes
 - **Bulk Density:** Approx. 0.6–1.0 g/cm³
-

10. Stability and Reactivity

- **Stability:** Stable under normal conditions
- **Incompatible Materials:** Strong acids, strong oxidizers
- **Hazardous Decomposition Products:** Sodium oxides, phosphorus oxides

11. Toxicological Information

- **Acute Toxicity:** Low toxicity
- **Skin Irritation:** May cause mild irritation
- **Eye Irritation:** May cause redness or discomfort
- **Chronic Effects:** No known chronic effects when used as intended

12. Ecological Information

- Not expected to be hazardous to the environment
- Avoid uncontrolled release into waterways

13. Disposal Considerations

- Dispose of material and container in accordance with local, regional, and national regulations
- Food-grade material may be disposed of as non-hazardous waste

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

Transport Regulations

- **ADR/RID (Road/Rail):** Not regulated
- **IMDG (Sea):** Not regulated
- **IATA (Air):** Not regulated

Special Transport Precautions

- Transport in tightly sealed, moisture-proof packaging

- Protect from humidity and contamination
- Handle carefully to avoid package damage and dust release

Bulk Transport Information

- Not intended for bulk transport under hazardous material regulations
-

15. Regulatory Information

- Complies with applicable food additive standards
 - Generally Recognized as Safe (GRAS) when used within permitted limits
 - Not listed as hazardous under OSHA or EU CLP regulations
-

16. Other Information

- This MSDS is prepared based on available data and current knowledge
- The information is provided in good faith for guidance on safe handling
- User is responsible for compliance with local 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.