

Material Safety Data Sheet (MSDS)

Product Name: Sodium Tripolyphosphate Food 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:** Sodium Tripolyphosphate
- **Grade:** Food Grade
- **CAS Number:** 7758-29-4
- **Molecular Formula:** $\text{Na}_5\text{P}_3\text{O}_{10}$
- **Recommended Use:** Food additive, emulsifier, stabilizer, sequestrant
- **Restrictions on Use:** For industrial and food processing use only

2. Hazard Identification

- **GHS Classification:** Not classified as hazardous
- **Label Elements:**
 - Signal Word: None
 - Hazard Statements: Not applicable

- **Potential Hazards:**
 - Dust may cause mild irritation to eyes, skin, or respiratory tract
 - **Environmental Hazards:** Not expected to be hazardous
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3. Composition / Information on Ingredients

- **Chemical Name:** Sodium Tripolyphosphate
 - **Purity:** ≥ 95%
 - **CAS No.:** 7758-29-4
 - **EC No.:** 231-838-7
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4. First Aid Measures

- **Inhalation:** Move to fresh air. Seek medical attention if irritation persists.
 - **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 if discomfort occurs.
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5. Fire Fighting Measures

- **Suitable Extinguishing Media:** Water spray, foam, dry chemical, CO₂
 - **Specific Hazards:** Non-flammable; decomposition may release phosphorus oxides
 - **Protective Equipment:** Firefighters should wear self-contained breathing apparatus
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6. Accidental Release Measures

- Avoid dust formation
 - Sweep up and collect into suitable containers
 - Prevent entry into drains and water bodies
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7. Handling and Storage

- **Handling:** Use with adequate ventilation. Avoid inhalation of dust.
 - **Storage:** Store in a cool, dry, well-ventilated area. Keep container tightly closed.
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8. Exposure Controls / Personal Protection

- **Engineering Controls:** Local exhaust ventilation
 - **Personal Protective Equipment (PPE):**
 - Eye Protection: Safety goggles
 - Skin Protection: Protective gloves
 - Respiratory Protection: Dust mask if necessary
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9. Physical and Chemical Properties

- **Appearance:** White crystalline or granular powder
 - **Odor:** Odorless
 - **pH (1% solution):** 9.0 – 10.0
 - **Solubility:** Soluble in water
 - **Melting Point:** Decomposes
 - **Bulk Density:** Approx. 0.7 – 1.0 g/cm³
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10. Stability and Reactivity

- **Stability:** Stable under normal conditions
 - **Reactivity:** No dangerous reactions known
 - **Incompatible Materials:** Strong acids
 - **Hazardous Decomposition Products:** Phosphorus oxides
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11. Toxicological Information

- **Acute Toxicity:** Low toxicity
- **Skin Irritation:** May cause mild irritation

- **Eye Irritation:** Dust may cause irritation
 - **Chronic Effects:** No known significant effects
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12. Ecological Information

- **Eco-toxicity:** Not expected to be harmful
 - **Persistence and Degradability:** Readily biodegradable
 - **Bioaccumulation:** Not expected
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13. Disposal Considerations

- Dispose of in accordance with local, regional, and national regulations
 - Empty containers should be disposed of properly
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14. Transport Information (Detailed)

- **UN Number:** Not assigned
- **UN Proper Shipping Name:** Not regulated
- **Transport Hazard Class:** Not classified as dangerous goods
- **Packing Group:** Not applicable

Transport Regulations:

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

Special Transport Precautions:

- Avoid moisture exposure during transport
- Ensure packaging is securely sealed
- Prevent spillage and dust formation

Bulk Transport:

- Transport in food-grade, moisture-proof containers
- Follow good manufacturing and hygiene practices

15. Regulatory Information

- Complies with applicable food safety and chemical regulations
- Approved for food use as per relevant national and international standards

16. Other Information

- **Disclaimer:**

The information provided in this MSDS is believed to be accurate and reliable as of the revision date. It is intended as guidance for safe handling, storage, and disposal.

- **MSDS Generate Date:** 20-05-2017
- **Revision Date:** 30-12-2024
- **Website:** www.rawpharmabiz.com
- MSDS are based on the manufacturer's provided information.