

**Material Safety Data Sheet
Trisodium Phosphate
Technical Grade, Crystals**

Distributed by:
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EMERGENCY TELEPHONE NUMBER: 800-424-9300 CHEMTREC

1. Product Identification

Product Name: Sodium Phosphate, Tribasic

Synonyms: Trisodium Phosphate, Sodium Phosphate Tribasic

Chemical Family: Inorganic Salt

Formula: $\text{Na}_3\text{PO}_4 \cdot 12\text{H}_2\text{O}$

Molecular Weight: 380.12

2. Composition / Information on Ingredients

<u>Component</u>	<u>CAS #</u>	<u>Appr %</u>
Sodium Phosphate, Tribasic	10101-89-0	100%

3. Hazards Identification

EMERGENCY OVERVIEW

MAY CAUSE EYE INJURY

CAUSES SKIN IRRITATION

MAY BE HARMFUL IF SWALLOWED

Appearance: Colorless, odorless crystals

Potential Health Effects (Acute & Chronic)

Symptoms of Exposure: Irritating on contact with skin, eyes or mucous membranes.

May be harmful if swallowed. Contact with eyes may cause burns.

Medical Cond. Aggravated by Exposure: Data not available

Routes of Entry: Inhalation, ingestion or skin contact

Carcinogenicity: The material is not listed (IARC, NTP, OSHA) as cancer causing agent.

4. First Aid Measures

Emergency First Aid: GET MEDICAL ASSISTANCE FOR ALL CASES OF OVEREXPOSURE.

Skin: Wash thoroughly with soap and water

Eyes: Immediately flush thoroughly with water for at least 15 minutes.

Inhalation: Remove to fresh air, give artificial respiration if breathing has stopped.

Ingestion: Get immediate medical attention.

5. Fire Fighting Measures

Flash Point (F): Noncombustible

Flammable Limits LEL (%): NA

Flammable Limits UEL (%): NA

Extinguishing Media: Use any suitable for adjacent material.

Fire Fighting Procedures: Wear self-contained breathing apparatus.

Fire and Explosion Hazards: Thermal decomposition produces toxic fumes.

6. Accidental Release Measures

Spill Response: Evacuate the area of all unnecessary personnel. Wear suitable protective equipment listed under Exposure/Personal Protection. Eliminate any ignition sources until the area is determined to be free from explosion or fire hazards. Contain the release and eliminate its source, if this can be done without risk. Take up and containerize for proper disposal as described under disposal. Comply with Federal, State and local regulations on reporting releases. Refer to Regulatory Information for reportable quantity and other regulatory data.

7. Handling and Storage

Handling & Storage: Keep container closed. Store at controlled room temperature. Do not breathe dust. Do not get in eyes, on skin, or on clothing.

8. Exposure Controls / Personal Protection

ENGINEERING CONTROLS AND PERSONAL PROTECTIVE EQUIPMENT:

Ventilation, Respiratory Protection, Protective Clothing, Eye Protection: Material should be handled or transferred in an approved fume hood or with adequate ventilation. Protective gloves should be worn to prevent skin contact (Neoprene or equivalent) Safety glasses with side shields should be worn at all times.

Work/Hygienic Practices: Wash thoroughly after handling. Do not take internally. Eye wash and safety equipment should be readily available.

Exposure Guidelines

There are no exposure limit numbers in the Exposure Guidelines chart, this indicates that no OSHA or ACGIH exposure limits have been established.

9. Physical and Chemical Properties

Boiling Point (C 760 mm Hg): NA

Melting Point (C): 75C Decomposes

Specific Gravity (H₂O=1): 1.62

Vapor Pressure (mm Hg): NA

Percent Volatile by VOL (%): NA

Vapor Density (Air=1): NA

Evaporation Rate (BuAc=1): NA

Solubility in Water (%): Soluble

Appearance: Colorless, odorless crystals

10. Stability and Reactivity

Stability: Yes

Hazardous Polymerization: Does not occur

Hazardous Decomposition: Po_x, Na₂O

Conditions to Avoid: Extreme Heat

Materials to Avoid: Acid

11. Toxicological Information

Toxicity Data

Orl-Rat LD50: 7400 mg/kg

Toxicological Findings:

None

Cited in Registry of Toxic Effects of Chemical Substances (RTECS)

12. Disposal Considerations

EPA Waste Numbers:

Treatment: Material does not have an EPA Waste Number and is not a listed waste, however consultation with a permitted waste disposal site (TSD) should be accomplished. ALWAYS CONTACT A PERMITTED WASTE DISPOSER (TSD) TO ASSURE COMPLIANCE WITH ALL CURRENT LOCAL, STATE AND FEDERAL REGULATIONS.

13. Transport Information

DOT Proper Shipping Name: Environmentally Hazardous Substance, Solid, n.o.s.
(Sodium Phosphate, Tribasic)

DOT ID Number: UN3077

14. Regulatory Information

TSCA Statement: This product is a "Mixture". The CAS numbers of all components are listed on the TSCA Inventory.

Component: Sodium Phosphate, Tribasic

CERCLA RQ: 5000 lbs

If there is no information listed on the regulatory information chart, this indicates that the chemical is not covered by the specific regulations listed.

15. Other Information

NFPA Hazard Ratings:

Health: 1

Flammability: 0

Reactivity: 0

Special Hazards:

For Additional Information contact MSDS Coordinator during business hours, Pacific time: (800)-4Laguna Notice

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