

MATERIAL SAFETY DATA SHEET

Tetra Sodium Pyrophosphate (Food Grade)

Material Safety Data Sheet

1. Company and product identification

Product Name : Tetra Sodium Pyrophosphate
Synonyms : Sodium Pyrophosphate, Tetrasodium Phosphate, TSPP
Molecular Formula : $\text{Na}_4\text{P}_2\text{O}_7 \cdot x\text{H}_2\text{O}$
CAS Number : 7722-88-5
E-Number : E450(iii)

Company Information: Rawpharma Biz Private Limited

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2. Composition

Product Description : Complex Salt of Mineral Acid
Chemical Name(s) : Tetrasodium diphosphate

3. Hazards Identification

GHS Category : GHS07

Hazard statements (CLP) : H315 - Causes skin irritation
H319 - Causes serious eye irritation
H335 - May cause respiratory irritation

CARCINOGENIC EFFECTS : Not available.

MUTAGENIC EFFECTS : Not available.

TERATOGENIC EFFECTS : Not available.

DEVELOPMENTAL TOXICITY: Not available.

4. First Aid Measures

Inhalation : Move victim to fresh air. Administer oxygen if breathing is difficult. Give artificial respiration if victim is not breathing. Get medical attention.

Skin : Get medical attention if symptoms occur. IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash before reuse. Get medical attention.

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Eye : In case of contact with substance, immediately flush eyes with running water for at least 15 minutes. Get medical attention immediately if symptoms persist.

Ingestion : If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. If swallowed give 2-3 glasses of water if victim is conscious and alert. Do not give anything by mouth to an unconscious person. To prevent aspiration of swallowed product, lay victim on side with head lower than waist. Vomiting may occur spontaneously. If vomiting occurs and the victim is conscious, give water to further dilute the chemical.

Notes to Physician - All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

5. Firefighting Measures

Extinguishing Media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide

Unsuitable Extinguishing Material : Not known

Fire Fighting Protective Equipment : Suitable respiratory protection (SCBA) along with firefighting equipment

Specific hazards : In cases of fire, oxides of phosphorous may be formed/released in rare cases

6. Accidental Release Measure

Personal precautions - Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

Do not allow entering in drain, sewers or watercourse. Contain the spillage and pump up as much as possible. Wash off the area with water. Spills should be contained and placed in suitable containers for disposal. However, it should be taken care that environment is not polluted

7. Handling and Storage Handling

Avoid contact with skin and eyes. Use only in well-ventilated areas. Avoid dust formation. Fire and explosion hazard: Not classified as flammable

Storage

Keep in cool and dry place with tightly closed container lid. Avoid exposure to humidity or moisture laden environment. Store away from ignition sources, incompatible materials and isolate from all toxic and harmful substances.

8. Exposure Control/ Personal Protection

Adequate ventilation systems as needed to control concentrations of airborne contaminants

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Respiratory protection : In case of insufficient ventilation, wear a suitable particulate respirator
Hand Protection : Wear appropriate gloves
Eye Protection : Wear suitable safety goggles
Body : Wear long sleeves and protective overalls

General safety and hygiene measures:

Hands and/or face should be washed before breaks and at the end of the shift.

9. Physical and Chemical Properties

Physical Form : Solid
Appearance : Free flowing powder
Colour : White
pH (1% Soln, 25°C) : 10.0 to 11.0
Assay (as P₂O₅) : 51% - 53% w/w
Loss on Drying : ≤ 2% by mass (at 105°C, 1 hr)
Solubility : Soluble in water

10. Stability and Reactivity

Chemical Stability : Stable under normal temperature & pressure
Conditions to avoid : Humidity
Incompatible materials : Acids, oxidizing agents, nitrites, nitrates, sulfides
Hazardous Reactions : With nitrites, nitrates and oxidizing agents
Hazardous Decomposition Product(s): Oxides of Phosphorous

11. Toxicological Information

Animal Toxicity

Oral Toxicity : No information available
Skin Toxicity : No information available
Long Term Exposure: Treat symptomatically. Seek Medical Advice

Chronic Effects on Humans: None identified from available data

Available data does not indicate carcinogenicity or toxicity for reproduction

12. Ecological Information

Toxicity : Data Not Available
Persistence & degradability : Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise
Bioaccumulative potential : Data Not Available
Mobility in Soil : Data Not Available
Other adverse effects : Products from degeneration are toxic.

13. Disposal Considerations

Dispose of content and/or container in accordance with local regulations

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14. Transport Information

No product special precaution identified

Transportation in accordance with food safety regulations as defined locally

15. Regulatory Information

Risk phrases : R36/37/38 - Irritating to eyes, respiratory system, and skin.

Hazard Symbol : H315, H319, H335

Prevention Phrases : P261, P305+P351+P338

16. Other Information

The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of the need that information is current, applicable, and suited to the circumstances of use. Rawpharma Biz Private Limited assumes no responsibility for injury to vendee or third-party person proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, Rawpharma Biz Pvt Ltd. assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed.