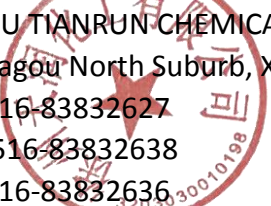


# MATERIAL SAFETY DATA SHEET

## Trisodium Phosphate

### 1 Company Identification

Company Name: XUZHOU TIANRUN CHEMICAL CO., LTD.  
Mailing Address: Mengjiagou North Suburb, Xuzhou, Jiangsu, China  
Telephone: 0086-516-83832627  
Fax: 0086-516-83832638  
Emergency Number: 0086-516-83832636



### 2 Product Identification

Product Name: Trisodium Phosphate, TSP  
Molecular Formula:  $\text{Na}_3\text{O}_4\text{P}$   
Molecular Weight: 163.94  
Cas Number: 7601-54-9

### 3 Typical Physical Properties

Physical Appearance: White, granules or powder  
Odor: Odorless  
PH: 10-11.5  
Bulk Density: 0.45-0.8 Kg/L  
Vapor Pressure: Negligible  
Solubility in Water: approx. 14g in 100g water

### 4 Reactivity Data

Chemical Stability: Stable, slightly hygroscopic  
Materials to Avoid: Avoid contact with strong acids, strong oxidizing agents

### 5 Fire and Explosion Hazard Data

Flashpoint: Not flammable  
Extinguishing Media: None

Special Firefighting  
Procedures: Protective clothing and self contained breathing apparatus.  
When heated to decomposition it emits toxic fumes of

phosphorous oxides and sodium oxides

Effects of Overexposure: Irritant to eyes, skin and respiratory systems.

Ingestion can cause vomiting and diarrhea

## **6 Recommended First Aid Measures**

Remove the person from source of exposure.

Wash with plenty of water. Upon ingestion, if the person is conscious, cause him to vomit. Get medical attention

## **7 Fire Fighting Measures**

Containment of Spills: Spillage or leakage are cleaned up by mechanical removal, if possible. Flushing with plenty of water

## **8 Handling , Storage**

Handling: Avoid inhalation, contact with eyes, skin or clothing, do not ingest

Storage: Store in a cool, well ventilated, dry place, in tightly closed containers

## **9 Exposure Controls/ Personal Protection**

Appropriate

Hygienic Practices: As part of good industrial, personal hygiene and safety procedure, avoid all unnecessary exposure to the product ,and ensure prompt removal from eyes, skin and clothing. Maintain good housekeeping to control dust accumulations.

### **Personal Protection Equipment**

Eye Protection: Safety eye glasses

Skin Protection: Protective clothing, gloves and dust respirator, if necessary. Adequate ventilation

## **10 Stability and Reactivity**

Chemical Stability: Stable under normal temperatures and pressures.

## **11 Toxicological Information**

Epidemiology: No information found.

Teratogenicity: No information found.

Reproductive Effects: No information found.

Neurotoxicity: No information found.

Mutagenicity: No information found.

## **12 Ecological Information**

No information available.

### **13 Disposal Considerations**

RCRA P-Series: None listed.

RCRA U-Series: None listed.

### **14 Transportation information**

Transport information: Not a hazardous material for transportation,

Dot regulations:

Hazard class: None

Land transport ADR/RID (cross-border)

ADR/RID class: None

Maritime transport IMDG:

IMDG Class: None

Air transport ICAO-TI and IATA-DGR:

ICAO/IATA Class: None

Transport/Additional information:

Not dangerous according to the above specifications.

### **15 Regulatory Information**

Health & Safety Reporting List

None of the chemicals are on the Health & Safety Reporting List.

Chemical Test Rules

None of the chemicals in this product are under a Chemical Test Rule.

### **16 Additional Information**

The information in this MSDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, expressed or implied, regarding its accuracy and/or completeness. User should consult with experts in their review of this MSDS prior to use of the product.

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n/a= Not Applicable