



# YUCHENG JINHE INDUSTRIAL CO.,LTD

Add: NO.5, JIANKANG ROAD, YUCHENG, CHINA  
Tel:86-370-4159190; Fax: 86-370-4169190; Web: www.jinhetec.net

## MATERIAL SAFETY DATA SHEET

*Issued By:* YuCheng JinHe Industrial Co., Ltd

*Product Name:* **SODIUM TRIPOLYPHOSPHATE**

### 1. Identification of the substance/preparation and company

*Trade Name :* Sodium Tripolyphosphate

*Chemical Name :* Sodium Tripolyphosphate

*Application :* Food & Feed industry, Detergents & Dishwashing Tablets,  
( liquid ) Cleaners, in Brines, in the Seafood and Meat industry,  
Detergent, Slurries.

### 2. Composition and Information on Ingredients

*Sodium Tripolyphosphate ( as  $Na_5P_3O_{10}$  ) :* 94% min.

*Phosphorus Pentoxide ( as  $P_2O_5$  ) :* 56.5% min.

*Sulfates ( as  $SO_4$  ) :* 0.5% max.

*Iron ( as  $Fe$  ) :* 0.015% max.

*Density :* 0.35g/cm<sup>3</sup> – 1.0g/cm<sup>3</sup>

*Size ( pass through 50 mesh sieve ) :* 90% min.

### 3. Hazards Identification / Symptoms

*Inhalation :* Cough, Sore Throat, Shortness of Breath

*Skin :* Redness, Corrosive

*Eyes :* Redness, Corrosive, Poor Visibility

*Ingestion :* Gastro-intestinal disorders, vomiting

*Environment :* Can contribute to eutrophication in stagnant waters;  
Any release into surface waters should therefore be avoided.

*Fire :*

*Explosion :*

*Chemical / Physical :*

*Other :* No particular hazards are known

### 4. First Aid Measures

In case of inhalation : Remove casualty to fresh air and keep at rest.

Seek medical advice.

In case of contacting with skin : After contact with skin, wash immediately with plenty of water.

In case of contact with eyes : Rinse with plenty of water and seek medical advice

### 5. Fire-fighting Measures

*Extinguishing media :* The product itself is not flammable; take extinguishing



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action appropriate to the fire in the surroundings. Foam; Dry powder; Carbon dioxide; Waterspray jet.

*Unsuitable extinguishing media :*

*Special exposure hazards :*

*Dangerous decomposition products :*

*Equipment for firefighters :*

*Specific extinguishing procedure :*

## 6. Accidental Release Measures

*Personal precaution :* Do not inhale. Avoid contact with eyes and skin.

Forms with water, slippery and greasy layers.

*Environmental precaution :* Avoid release into the sewage network or the aquatic environment.

*Methods for cleaning up :* Take up mechanically. Rinse away residues with water.

Dispose of contaminated material in accordance with the safety regulations.

## 7. Handling and Storage

Handling : Avoid dust formation and accumulation. No special measures are required if the material is stored and handled in accordance with the regulations.

Storage : No special measures are required if the material is stored and handled in accordance with the regulations. Stability : Storage period > 12 months.

Requirement for packaging : Store container in a dry, cool, well ventilated place.

## 8. Exposure Controls / Personal Protection

### LIMIT VALUE\*

\* *Dutch limit value ( MAC ) :* Not defined.

### MEASURE

**Technical :** Do not inhale. Avoid contact with eyes and skin. Provide good ventilation and local fume extraction.

**Organizational Hygienic :** After work, wash and care for the skin thoroughly.

### PERSONAL PROTECTIVE EQUIPMENT

*Respiratory protection :* Dust mask, filter type P2.

*Hand protection :* Rubber gloves.

*Eye protection :* Safety goggles.

*Skin protection :*

## 9. Physical and Chemical Properties

*Physical condition :* Solid.

*Colour :* White.

*Odour perception limit :*



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*Molecular weight* : 368

*Acidity / pH* : 9.2 – 10.0 ( at.: 10 g/l H<sub>2</sub>O and 20°C )

*Boiling point /....( °C )* :

*Melting poing /....( °C )* : Approx. 620

*Flash point ( °C )* :

*Self-ignition temperature ( °C )* :

*Lower explosion limit ( vol.% )* :

*Vapour pressure ( 20°C )* :

*Relative vapour density ( Air=1 )* :

*Bulk density ( kg/m<sup>3</sup> )* : 400 to 1000

*Relative density ( H<sub>2</sub>O=1 )* :

*Solubility in water* : Approx. 150 g/l ( at 20°C ); Approx. 180 g/l ( at 60°C ).

*Viscosity ( 20°C, mPas )* :

*Partition coefficient octanol / water*

:

## 10. Stability and Reactivity

*Stability* : Thermal decomposition: above 600°C.

*Circumstances to avoid* :

*Substances to avoid* :

*Dangerous decomposition products* :

## 11. Toxicological Information

*Acute Toxicity* : Oral: (LD<sub>50</sub> > 2000 mg/kg. Xposure period: 15 days.

Species: rat.

Source: Hoechst study.

*Topical effects* : Skin irritation: not irritating. Exposure period: 15 days.

Species: rabbit. Source: Hoechst study.

Eye irritation: not irritating. Exposure period: 15 days.

Species: rabbit eye. Soure: Hoechst study.

Hypersensitization: not sensitising.

*Long-term effects* :

*Chronic effects* :

*Other effects* :

## 12. Ecological Information

*Mobility* :

*Bioaccumulative pot.* :

*Degradability* :

*Ecotoxicity* : Toxicity to bacteria: EC<sub>50</sub> > 1000 mg/l. Exposure period: 48 hours. Species: active sludge. Method: PECD 209. Source:

Study by Hoechst.

*Other* : Do not release undiluted product into drains.



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### **13. Disposal considerations**

*Method of disposal* : Consult the manufacturer about recycling.

*Waste material code* :

*Disposal of packaging* :

*Other remarks* :

### **14. Transport Information**

Other details : Shipment by mail: APPROVED.

### **15. Regulatory Information**

*Symbol* :

**R-phrases**

**S-phrases**

*Note* :

*EC-labeling* : Labelling in conformity with directives 67/548/EEC and 88/379/EEC; not subject to the labelling regulation.

*EC number* :

*Special regulations* : Germany: Water endangerment category: 1 (KBwS classification)

KBwS no.: 1209.

### **16. Other Information**

*Changes rubric* : 1, 2 and 3

**This information is based on our present state of knowledge. It should not therefore be constructed as guaranteeing specific properties of the products described or their suitability for a particular application.**