



# 貴州華捷化工有限公司

## GUIZHOU SINO-PHOS CHEMICAL CO., LTD.

1105 Zhongxia Mansion, No.101 Zhonghua North Rd., Guiyang, Guizhou, 550001 P.R. China

Tel : 0086-851-6825139,6813089  
Fax : 0086-851-6830401,6832003

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Website : [www.sino-phos.com](http://www.sino-phos.com)

### MATERIAL SAFETY DATA SHEET

Issued By: Guizhou Sino-Phos Chemical Co., Ltd.

Issue Date: May 28, 2003

Product Name: **SODIUM TRIPOLYPHOSPHATE**

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#### 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.  
*Supplier*: Guizhou Sino-Phos Chemicals Co., Ltd.  
**Emergency Telephone Number : 0086-851-6825139**

#### 2. Composition and Information on Ingredients

*Sodium Tripolyphosphate ( as  $Na_5P_3O_{10}$  )* : 94% min.  
*Phosphorus Pentoxide ( as  $P_2O_5$  )* : 56.5% min.  
*Insoluble Matters in Water* : 0.1% max.  
*Sulfates ( as  $SO_4$  )* : 0.5% max.  
*Iron ( as Fe )* : 0.015% max.  
*Whiteness* : 90% min.  
*PH Value* : 9.2 – 10.0  
*Density* :  $0.40g/cm^3 - 1.0g/cm^3$   
*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.



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#### 4. First Aid Measures

*In case of ingestion* : Rinse mouth. Drink water. Call for medical assistance.  
*Advice to doctor* : Treat the symptoms.  
*Further information* :

#### 5. Fire-fighting Measures

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



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#### 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 :*

*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 :*



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#### 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.

#### 13. Disposal considerations

*Method of disposal* : Consult the manufacturer about recycling.  
*Waste material code* :  
*Disposal of packaging* :  
*Other remarks* :

#### 14. Transport Information

*UN-number* :  
*Danger-number* :  
*Transport name* : Depends of type STPP  
*ADR/ADNR/RID class* : NOT A HAZARDOUS SUBSTANCE.  
*Item number* :  
*IMO / IMDG-class* : NOT A HAZARDOUS SUBSTANCE.  
*IATA* : NOT A HAZARDOUS SUBSTANCE.



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### 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

Date of Printing : May 28, 2003.

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.