## **GUIZHOU LVYIN BIOTECH CO., LTD**



Add: No.5 Jinjiang Road, Xiaohe, Guiyang, Guizhou, China Tel: 0086 851-3799686 / 3936248

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# **Material Safety Data Sheet**

# Tri Sodium Phosphate (TSP)

### 1 Chemical Product and Company Information

Product name Tri Sodium Phosphate
Synonyms Sodium phosphate tri basic

SupplierInformation: Guizhou Lvyinbio Biotech Co., Ltd

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#### 2 Composition/Information on Ingredients

Substances / Preparation: Substances
Chemical Name: Na3PO4
CAS NO.: 7758-79-4

## 3 Hazards Identification

Emergency Overview: Harmful if swallowed or inhaled. Causes eye, skin, and respiratory tract irritation.

Inhalation: May cause dizziness; headache; irritation of the upper respiratory tract; Effects on

animals have been reported to include the blood (hemolysis) and secondary

effects on the kidney and liver.

Ingestion: Moderately toxic if ingested. Small amounts swallowed incidentally are not likely to

cause injury, however, larger amounts may cause injury. Animal effects are seen on the blood, kidney and liver. Ingestion of significant quantities may result in red blood cell hemolysis, central nervous system and kidney effects. May cause

irritation, burns, nausea, and vomiting.

Eye contact: may cause irritation, redness and pain.

Skin Contact: Prolonged skin contact may cause redness; swelling and possible skin destruction.

#### 4 First Aid Measures

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is

difficult, give oxygen. Get immediate medical attention.

Ingestion: If swallowed, do NOT induce vomiting. Seek immediate medical attention. Call a

physician or poison control center immediately. Never give anything by mouth to an unconscious person. Give large amounts of water. If vomiting occurs, keep the

airway clear. If unconscious, place the person on their side.

Skin Contact: Remove contaminated clothing. Immediately wash skin thoroughly with large

amounts of water and mild soap, if available. Seek medical attention if irritation

develops or persists.

Eye Contact: Immediately begin to flush eyes with water, remove any contact lens. Continue to

flush the eyes for at least 15minutes. Seek medical attention.

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#### **5 Fire Fighting Measures**

Fire: No data.

Not considered to be an explosion hazard. Explosion:

Fire Extinguishing Media: Use NIOSH/MSHA approved positive pressure self-contained breathing apparatus

when any material is involved in a fire.

In the event of a fire, wear full protective clothing and NIOSH-approved Special Information:

self-contained breathing apparatus with full face piece operated in the pressure

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demand or other positive pressure mode.

### 6 Accidental Release Measures

Steps To Be Taken In Case Isolate the immediate area. Prevent unauthorized entry. Stay upwind, out of low Material Is Released Or Spilled:

areas, and ventilate closed spaces before entering. Do not touch or walk through

spilled material. Stop leak if you can do so without risk. Prevent entry into

waterways, sewers, or confined areas. A vapor suppressing foam may be used to reduce vapors. Absorb or cover with dry earth, sand, or other non-combustible material and transfer to compatible containers. For large spills, dike ahead of the

spill.

#### 7 Handling and Storage

Handling Read carefully all cautions and directions on product label before use. Since

> empty container retains residue, follow all label warnings even after container is empty. Dispose of empty container according to all regulations. Do not reuse this

container.

Keep container tightly closed when not in use. Store in a cool, dry place. Do not Storage

store near flames or at elevated temperatures.

#### 8 Exposure Control and Personal Protection

Ventilation Protection: Use only with adequate ventilation to prevent buildup of vapors. Do not use in

areas where vapors can accumulate and concentrate, such as basements,

bathrooms or small enclosed areas. Whenever possible, use outdoors in an open

air area. If using indoors open all windows and doors and maintain a cross

ventilation of moving fresh air across the work area. If strong odor is noticed or you

experience slight dizziness, headache, nausea or eye-watering -- STOP -ventilation is inadequate. Leave area immediately and move to fresh air.

Eye Protection: Safety glasses, chemical goggles, or face shields are recommended to safeguard

against potential eye contact, irritation, or injury. Contact lenses should not be worn

while working with chemicals.

Skin Protection: Wear protective gloves and clean body-covering clothing.

#### 9 Physical and Chemical Properties

Chemical Formula: Na3PO4

Color and Appearance: white granular powder or powder

Odor: odorless

Solubility: Sodium phosphate Tribasic is soluble in water.

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pH: No information found.

Specific Gravity: n/a
Vapor Pressure(mm/hg): n/a
Vapor Density (air=1): n/a
Boiling Point n/a
Bulk Density: n/a
Volatiles by Volume: n/a

## 10 Stability and Reactivity

Stability: Strong oxidizers and acids. Avoid prolonged contact with aluminum, brass, bronze,

copper, lead, tin, zinc, or other alkali sensitive metals or alloys...

Circumstances to be avoided: Avoid moisture.

Substances to be avoided: Not known.

Dangerous So Not known.

decomposition products:

#### 11 Toxicological Information

Eye effects: None Carcinogenicity: None.

#### **12 Ecological Information**

Environmental Fate: No information found. Environmental Toxicity: No information found.

#### 13 Disposal Considerations

Dispose of in accordance with local, state, and federal laws.

## **14 Transport Information**

This material is not dangerous goods according to international regulations for transport.

#### 15 Regulatory Information

Poison Schedule: None allocated.

Chemical Weapons Convention: No. Fire No

## **16 Other Information**

This information herein given in good faith and to the best of our knowledge. Since we have no control over the use of the product, we make no warrantee or representation, expressed or implied, other than that it conforms to the chemical description on its label. No agent, representative or employee of us is authorized to change any terms of this notice.