

TJ-STMP

MATERIALS SAFETY DATA SHEET

SODIUM TRIMETAPHOSPHATE (FOOD GRADE)

Date:2019-1-8

1. IDENTIFICATION OF THE PRODUCT AND MANUFACTURER

Chemical Name:

SODIUM TRIMETAPHOSPHATE,
SODIUM POLYPHOSPHATE

H.S CODE: 2835.3990

Formula: $(\text{NaPO}_3)_n$

Manufacturer:

XUZHOU TIANRUN CHEMICAL CO.,LTD
No. 201 Huaihai East Road, Xuzhou, Jiangsu, China.
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2.COMPOSITION/INFORMATION ON INGREDIENTS:

Raw material of the product: PHOSPHORIC ACID (H_3PO_4), Soda Ash (Na_2CO_3)

3.HAZARDS IDENTIFICATION

The product not classified as dangerous.

Physics-chemical Effects

No known hazards.

Health Effects-inhalation

Avoid prolonged breathing of dust

Health Effects-ingestion

No significant signs or symptoms expected.

Health Effects-skin

Dust may cause irritation by abrasion

Health Effects-Eyes

Dust may cause transient irritation by abrasion.

4. FIRST AID MEASURES

First Aid- inhalation

Remove to fresh air.

First Aid- ingestion

Wash out mouth with water.

First Aid-Skin

Wash skin with water.

First Aid-eye

If substance has got into the eyes, immediately wash out eyes with plenty of water.

Chronic Effects:

This product does not contain any ingredient designated by IARC, NTP, ACGIH or OSHA as probable or suspected human carcinogens.

5. FIRE-FIGHTING MEASURES

Extinguishing Media

Not combustible. Select Extinguishing agent appropriate to other materials involved

Special hazards of Product: may make floor very slippery when wet.

6. ACCIDENTIAL RELEASE MEASURES

Spillages

Transfer into suitable containers for recovery or disposal. Avoid creating dust.

Personal precautions

Wear appropriate protective clothing. See section 8.

Environmental precautions

Try to prevent the material from entering drains or watercourses.

7. HANDLING AND STORAGE

Handling

Wear appropriate protective clothing. See section 8. Avoid creating dust. Avoid inhaling dust.

Storage

This is a food grade product, protect from contamination. Store in a dedicated food grade area.

This material is hygroscopic Storage area should be: clean, cool and dry place and keep away from moisture. It is recommended to stack only one pallet high, to reduce any tendency to compaction.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Engineering control Measures

Engineering methods to prevent or control exposure are preferred. Methods include process or personnel enclosure, mechanical ventilation (dilution and local exhaust), and control process conditions.

Respiratory Protection: Facemask with suitable filter or Powered respirator

Eye Protection: Safety spectacles.

Body Protection: Normal work wears

Protection During Application: Local exhaust ventilation may be required when the Product is in use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Solid granule or powder

Colour: white

Odour: odourless

Flash point : N/A

Ignition temperature: N/A

10. STABILITY AND REACTIVITY

Stability

Stable under normal conditions

Conditions to avoid:

Exposure to water or moisture ,Above 40°C , polyphosphate solutions undergo slow hydrolysis to orthophosphate.

Hazardous decomposition products: None known

Hazardous reactions: None known

11. TOXICOLOGICAL INFORMATION

Toxicological overview this product is a permitted food additive. Appears on
GRAS list ("generally recognized as safe") of the USA FDA.

Acute Toxicity Oral LD50 (mouse) 2400mg/kg. (Literature data)

Symptoms related to toxicity: the product, if properly handled, is not injurious to health.

12. ECOLOGICAL INFORMATION

Mobility

The product is soluble in water

Persistence and degradability

Being inorganic and non-reducing, this product has no BOD or COD. Polyphosphate solutions
Undergo slow hydrolysis to orthophosphate, which is a plant nutrient and may also precipitate heavy metals.

Bio-accumulation

Product is inorganic; Log pow inappropriate.

Ecotoxicity

No specific data available.

13. DISPOSAL CONSIDERATIONS

Product Disposal

Where practical, waste or surplus material should be recovered and recycled. Don't wash into drains.

Container disposal

Where practical, Container and packing should be recycled by a licensed contractor.

Discharge or disposal should obey National, State or local laws

14. TRANSPORT INFORMATION

Not classified as hazardous for transport.

15. REGULATORY INFORMATION

Inventory Status

Inventory	Status
UNITED STATES (TSCA)	Y

MSDS

CANADA (DSL)	Y
EUROPE (EINECS/ELINCS)	Y
AUSTRALIA (AICS)	Y
JAPAN (MITI)	Y
SOUTH KOREA (KECL)	Y

Y = All ingredients are on the inventory.

E = All ingredients are on the inventory or exempt from listing.

P = One or more ingredients fall under the polymer exemption or are on the no longer polymer list.

All other ingredients are on the inventory or exempt from listing.

N = Not determined or one or more ingredients are not on the inventory and are not exempt from listing.

FEDERAL REGULATIONS

Inventory Issues:

All functional components of this product are listed on the TSCA Inventory.

SARA Title III Hazard Classes:

Fire Hazard	- NO
Reactive Hazard	- NO
Release of Pressure	- NO
Acute Health Hazard	- YES
Chronic Health Hazard	- NO

16. OTHER INFORMATION.

Any information contained herein and advice by us is made to the best of our ability on the basis of Current industrial practice, Literature data and our own knowledge and experienced.
