徐州天润化工有限公司

XUZHOU TIANRUN CHEMICAL CO., LTD Add:Mengjiagou North Suburb,Xuzhou,Jiangsu,China Tel:+86-516-83832627,Fax: +86-516-83832638

MATERIALS SAFETY DATA SHEET

SODIUM METAPHOSPHATE (SHMP)

UPGRADE DATE: 2019-3-12

1. PRODUCT AND COMPANY DESCRIPTION
Chemical Name: SODIUM HEXAMETAPHOSPHATE E452I SODIUM HEXAMETAPHOSPHATE GLASS, SODIUM METAPHOSPHATE SODIUM POLYPHOSPHATE Formula:(NaPO3) n. Molecular Weight: Varies according to n Manufacturer: XUZHOU TIANRUN CHEMICAL CO., LTD
Add:Mengjiagou North Suburb,Xuzhou,Jiangsu,China
Emergency contact phone: +0086-516-838362627
2.COMPOSITION/INFORMATION ON INGREDIENTS:
CAS NO.: 68915-31-1,10124-56-8
Raw material of the product:
PHOSPHORIC ACID (H ₃ PO ₄). sodium hydroxide liquid
Soda Ash (Na ₂ CO ₃)
3.HAZARDS IDENTIFICATION
The product not classified as dangerous.
Physics-chemical Effects
Health Effects-inhalation No known hazards.
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

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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 and Chemical properties here represent typical properties of this product.

Formula: (NaPO₃)₆

Physical Appearance: white granular powder.

Odor: odorless.

PH value: 5.8-6.5

Density (water=1): 2.5

Water Solubility: Slightly soluble in water.

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Melting Point Range: more than $616(^{\circ}C)$

Boiling Point Range: Not Available Vapor Pressure: Not Available Vapor Density: Not Available

10. STABILITY AND REACTIVITY				
Stability				
Stable under normal condition	15			
Conditions to avoid:				
Exposure to water or moisture	e, Above 40°C, polyphosphate solutions undergo slow hydrolysis to orthophosphate.			
Hazardous decomposition products: None known				
Hazardous reactions: None kn	lown			
11. TOXICOLOGICAL INFO	DRMATION			
Toxicological overview	This product is a permitted food additive. Appears on			
	GRAS list ("generally recognized as safe") of the USA FDA			
	(FDA §182.6760,2000).			
Acute Toxicity	Oral LD50 (mouse) 7250mg/kg. (Literature data)			
Symptoms related to toxicity:	the product, if properly handled, is not injurious to health.			
12. ECOLOGICAL INFORM	ATION			
Mobility				
The product is soluble in wate	er			
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			

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UNITED STATES (TSCA)	Y
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.

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**END OF MSDS