



# MATERIAL SAFETY DATA SHEET (MSDS)

## SODIUM TRIPOLYPHOSPHATE

Issue Date : Monday, February 5, 2020

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

- 1.1.MSDS Name: Sodium Tripolyphosphate
- 1.2 Product code: 8494-025
- 1.3 Synonyms: STPP
- 1.4 Company: BORTECH DIS TIC. LTD. STI.

### 2. COMPOSITION / INFORMATION ON INGREDIENTS

Components	CAS Number	Proportion	Hazard Codes
Sodium	7758-29-4	≥92%	H315 H319 H335

2.1 Ingredients: Sodium Tripolyphosphate Anhydrous( $\text{Na}_5\text{P}_3\text{O}_{10}$ )

### 3. HAZARDS IDENTIFICATION

3.1 No known hazards Section

### 4. FIRST AID

- 4.1 Eye Contact Rinse immediately with plenty of water and obtain medical advice if irritation persists.
- 4.2 Skin contact Wash off with plenty of water.
- 4.3 Inhalation/ Ingestion If any symptoms follow ingestion or inhalation, obtain medical advice.



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## **5. FIRE FIGHTING MEASURES**

5.1 Governed by other materials present. No special fire-fighting equipment or measures required.

## **6. ACCIDENTAL RELEASE MEASURE**

6.1 Sweep up spillage and recover/recycle if possible. Otherwise place in a fiber keg or paper sack and dispose as industrial waste.

## **7. HANDLING AND STORAGE**

7.1 Handling Minimize dust formation.

7.2 Storage Protect from contamination. Store in original, unopened package in clean, cool, dry place. Anhydrous material may cake if exposed to moisture.

## **8. EXPOSURE CONTROLS AND PERSONAL PROTECTION**

8.1 Regulations None

8.2 Air contamination limits None listed Section

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

9.1 Physical state : Form Powder or granules

9.2 Colour : White

9.3 Odour : None

9.5 Bulk Density 0.6-1.2 g/cm<sup>3</sup>

9.6 Vapour pressure (20 °C): Not applicable

9.7 Viscosity : Not applicable

9.8 Solubility : Soluble in water

9.9 PH Value (1% solution.) : 9.2~10.0

9.10 Flash Point : not applicable

9.11 Melting Point/Range (°C): 622

9.12 Ignition temperature : Does not burn or help other materials to burn

9.13 Explosion limits : not relevant



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## **10. STABILITY AND REACTIVITY DATA**

- 10.1 Thermal decomposition Anhydrous melts without decomposition above Hexahydrate decomposes to pyro and orthophosphate above 100oC
- 10.2 Hazardous thermal decomposition products None
- 10.3 Hazardous reactions None

## **11. TOXICOLOGICAL INFORMATION**

- 11.1 The products are not considered to be toxic during the normal course of handling. The food grade STPP has been used as a food additive for many years

## **12. ECOLOGICAL INFORMATION**

- 12.1 Ecological effects High pH may affect effluent and sewage treatment processes.

## **13. DISPOSAL CONSIDERATIONS**

- 13.1 Sweep up spillage and recover/recycle if possible. Otherwise place in a fiber keg or paper sack and dispose as industrial waste.

## **14. TRANSPORT INFORMATION**

- 14.1 Not classified as a substance hazardous for transport.

## **15. REGULATORY INFORMATION**

- 15.1 Mildly alkaline and may cause irritation to the skin, mucous membranes and eyes. Remove dust from the skin by washing with water; in cases of eye contamination, irrigate the eye with flowing water and obtain medical advice if there is persistent irritation. Not classified as hazardous under CPL 1984 regulations.



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## **16.OTHER INFORMATION**

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