

SODIUM TRIPOLYPHOSPHATE

Issue Date : Monday, February 5, 2020

1. CHEMICAL PRODUCT IDENTIFICATION

- 1.1. MSDS Name: Sodium Tripolyphosphate
- 1.2 Product code: 8494-025
- 1.3 Synonyms: STPP

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(Na₅P₃O₁₀)

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.

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/cm³

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

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.

16. OTHER INFORMATION

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