



Material Safety Data Sheet

Sodium Tripolyphosphate

Section 1 - Product and Company Identification

Product

Material Name	Sodium Tripolyphosphate
Chemical Category	Nuisance particulates
Product Description	White granule or powder with no odor.
Synonyms	Pentasodium Triphosphate; STPP; Tripoly

Manufacturer

WUHAN WAKING LION CHEMICALS CO.,LTD
No.160 Chemical Avenue,
Chemical Industry Park,
Wuhan, China



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Section 2- Composition/Information on Ingredients

Ingredients

Product name	Sodium Tripolyphosphate
Chemical name	Sodium Tripolyphosphate
Chemical formula	Na ₅ P ₃ O ₁₀
Main content	More than 98%
Other polyphosphates	Less than 2%
CAS Number	7758-29-4

Section 3 - Hazards Identification

No known hazards



Section 4 - First Aid Measures

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

Section 5 - Fire Fighting Measures

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

Section 6 - Accidental Release Measures

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

Section 7 - Handling and Storage

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

Section 8 - Exposure Controls/Personal Protection

Regulations	None
Air contamination limits	None listed

Section 9 - Physical and Chemical Properties

Form	Powder or granules
Colour	White
Odour	None
Change in physical state	Anhydrous melts without decomposition above 600°C Hexahydrate decomposes to pyrophosphate and orthophosphate



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	above 100°C
Bulk Density	0.5-1.2 g/ml
Vapour pressure	Not applicable
Viscosity	Not applicable
Solubility	14.5 g anhydrous salt in 100 ml water at 25°C
pH Value	9.8 at 20°C (1% soln.)
Flash point	Not applicable
Ignition temperature	Does not burn or help other materials to burn
Explosion limits	Not relevant

Section 10 - Stability and Reactivity

Thermal decomposition	Anhydrous melts without decomposition above 600°C Hexahydrate decomposes to pyro and orthophosphate above 100°C
Hazardous thermal decomposition products	None
Hazardous reactions	None

Section 11 - Toxicological Information

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.

Section 12 - Ecological Information

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

Section 13 - Disposal Considerations

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

Section 14 - Transportation Information

Not classified as a substance hazardous for transport, IMDG/IMO not regulated.

Section 15 - Regulatory Information

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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.

Air contamination limits - None established.

Section 16 - Other Information

Preparation Date	11/15/2019
Last Revision Date	01/01/2022
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