

Safety Data Sheet

1. IDENTIFICATION

Product Name:	Sodium Tripolyphosphate
Other Names:	Pentasodium Triphosphate, STPP, Tripoly
Recommended Use:	No data available.
Supplier:	Global Chemie ASCC Limited
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2. HAZARDS IDENTIFICATION

Classification of the Substance or Mixture

This product is not classified as hazardous under GHS criteria.

Hazardous Classification

Nuisance particulates.

Hazardous Statement

No data available.

GHS Pictograms

No data available.

Hazard Statements

No data available.

Precautionary Statements

No data available.

Response Statements

If on skin

No data available.

If inhaled

No data available.

If in eye

No data available.

If swallowed

No data available.

Storage Statements

No data available.

Disposal Statements

Dispose of contents/container in accordance with local regulations.

Signal Word: No Signal Word.

3. COMPOSITION: Information on Ingredients

Chemical Ingredient	CAS No.	UN No.	Proportion (%w/w)
Sodium Tripolyphosphate	7758-29-4	-	100

Molecular Formula: $\text{Na}_5\text{P}_3\text{O}_{10}$

Molecular weight: 367.86 g/mol

4. FIRST AID MEASURES

For advice, contact Ramathibodi Poison Center (Phone: 1367) or a doctor.

Ingestion

Rinse mouth immediately and then drink plenty of water, seek medical attention. Do not induce vomiting unless told to by a poison control center or doctor.

Eye Contact

Wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

Skin Contact

After contact with skin, wash immediately with plenty of water and soap. Under no circumstances should organic solvent be used. If irritation develops, seek medical attention.

Inhalation

If any symptoms after vapour/aerosol has been inhaled, remove to fresh air and seek medical attention.

5. FIRE FIGHTING MEASURES**Suitable extinguishing media**

Use foam, water spray, dry powder, carbon dioxide.

Special hazards arising from the substance or mixture

No data available.

Special protective actions for fire- Fighters

No special fire-fighting equipment or measures required.

6. ACCIDENTAL RELEASE MEASURES.**Personal precautions, protective equipment and emergency procedures**

Use personal protective clothing. Avoid contact with skin and eyes.

Environmental precautions

Do not release untreated into natural waters.

Methods and materials for containment and cleaning up

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**Precautions for safe handling**

Minimize dust formation.

Conditions for safe storage, including any incompatibilities

Protect from contamination.

Store in original, unopened package in clean, cool, dry place.

Anhydrous material may cake if exposed to moisture.

8. EXPOSURE CONTROLS: PERSONAL PROTECTION

Control parameters

Occupational Exposure limit value: No data available.

Appropriate engineering controls

Air contamination limits: None Listed.

Individual protection measures (PPE)

No data available.

9. PHYSICAL AND CHEMICAL PROPERTIES

Property	Unit of Measurement	Typical Value
Appearance	-	Powder or granules
Odour	-	None
pH (1% solution)	°C	9.8
Boiling point	°C	No data available
Melting point	°C	Anhydrous melts without decomposition more than 600 deg C
Flash point	°C	No data available
Flammability	-	Not flammable
Autoignition Temperature	°C	No data available
Decomposition Temperature	°C	Hexahydrates decompose to pyrophosphate and orthophosphate more than 100 deg C
Lower/Upper Flammability Limits	%V	No data available
Density	g/cm³	0.5-1.2
Specific Gravity @ 20°C	-	No data available
Viscosity @ 30°C	mPa.s	No data available
Vapor pressure	mbar	No data available
Vapor density	kPa (Air = 1)	No data available
Evaporation Rate	(n-Butyl acetate = 1)	No data available
Water Solubility	mg/l	14.5 g anhydrous salt in 100 ml water at 25 deg C
Solubility in other solvents Partition coefficient (Log Pow)	(n-octanol/water)	No data available
Coefficient of Thermal Expansion	per Deg C	No data available
Particle Characteristics	-	No data available
Colour	-	White

The values listed are indicative of this product’s physical and chemical properties. For a full product specification, please consult the Product Data Sheet.

10. STABILITY AND REACTIVITY

Reactivity

No data available.

Chemical stability

No data available.

Possibility of hazardous reactions

No hazardous reactions when stored and handled according to instructions.

Conditions to avoid

No data available.

Incompatible materials

No data available.

Hazardous decomposition products

None

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

The products are not considered to be toxic during the normal course of handling.

Irritation: No data available.

Respiratory or skin sensitization: No data available.

Germ cell mutagenicity: No data available.

Carcinogenicity: No data available.

Reproductive toxicity: No data available.

STOT-repeated exposure: No data available.

Aspiration hazard: Not data available.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Toxicity: High pH may affect effluent and sewage treatment processes.

Persistence and degradability: No data available.

Bioaccumulative potential: No data available.

Mobility in soil: No data available.

Other adverse effects: No data available.

13. DISPOSAL CONSIDERATIONS

Disposal Methods

Waste treatment methods: Dispose of contents/container in accordance with licensed collector’s sorting instructions.

14. TRANSPORT INFORMATION

Road and Rail Transport		Marine Transport		Air Transport	
UN. Number	Not Regulated	UN. Number	Not Regulated	UN. Number	Not Regulated
Class/Item	Not Regulated	Class/Item	Not Regulated	Class/Item	Not Regulated
Hazard Symbol	Not Regulated	Hazard Symbol	Not Regulated	Hazard Symbol	Not Regulated
Proper Shipping Name	Not Regulated	Proper Shipping Name	Not Regulated	Proper Shipping Name	Not Regulated

Road and Rail Transport		Marine Transport		Air Transport	
Packing Group	Not Regulated	Packing Group	Not Regulated	Packing Group	Not Regulated
		Marine Pollutant	Not Regulated		

15. REGULATORY INFORMATION

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.

16. OTHER INFORMATION

National Fire Protection Association (USA)	:	No data available.
SDS Distribution	:	The information contained herein is based on our current knowledge of the underlying data and is intended to describe the product for the purpose of health, safety and environmental requirements only. No warranty of guarantee is expressed or implied regarding the accuracy of these data or the results to be obtained from the use of the product.
Prepared By	:	Quality Control Department / Global Chemie ASCC Limited.

Abbreviations:
CAS: Chemical Abstracts Service
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
RID: Regulation concerning the International Carriage of Dangerous Goods by Rail
IMDG: International Maritime Dangerous Goods
IATA: International Air Transportation Association

References:

- Supplier Material Safety Data Sheets.

The information sourced for the preparation of this document was correct and complete at the time of writing to the best of the writer’s knowledge. The document represents the commitment to the company’s responsibilities surrounding the supply of this product, undertaken in good faith. This document should be taken as a safety guide for the product and its recommended uses but is in no way an absolute authority. Please consult the relevant legislation and regulations governing the use and storage of this type of product. No warranty and guarantee are expressed or implied regarding the accuracy of these data or the results to be obtained from the use of the product for further information, please contact Global Chemie ASCC Limited.