



EPOCH MASTER GLOBAL BUSINESS (JIANGSU)

RM.3-93,TENGFEI BUILDING,NO.88 JIANGMIAO RD., RESEARCH AND INNOVATION PARK,NANJING ZONE, (JIANGSU) PILOT FREE TRADE ZONE, CHINA

Tel.:+025-83365586

Website:<https://www.epoch-master.com>

SAFETY DATA SHEET

Date of Issuance: JANUARY 5, 2022

1. Identification of Substance /preparation and Company

Chemical Name: Sodium tripolyphosphate Formula: Na₅P₃O₁₀

Trade Name: Sodium tripolyphosphate

Synonyms: Sodium triphosphate; Triphosphoric acid, Pentasodium salt;

Sodium

Phosphate tripoly; STPP

Application: Is used as detergent, used in petroleum, metallurgy, mine, paper making,the food modifier, the water keeping agent.

Supplier:

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2. Composition and Ingredients

Conc. (w/w): >94%

CAS number: 7758-29-4

Molecular weight: 367.86

Further information: Technical quality available in types:

N-NA-NW-L-S-SPR-FH-GH-C-SK

Food grade quality available in types: FG and QDT

3. Hazard Identification

Inhalation: Cough, sore throat, shortness of breath.

Skin: Redness, irritant.

Eyes: Redness, irritant, poor visibility. Ingestion:

Gastro – intestinal disorder, vomiting.

Pollution: Can contribute to eutrophication in stagnant waters;
any release into surface of waters should therefore be avoided.

Flash point text: Non – combustible.

Extinguishing: Non – combustible.

4. First Aid Measures

In case of inhalation: Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

In case of contact with skin: Get medical aid. Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.

In case of contact with eyes: Immediately flush eyes with plenty water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

In case of ingestion: Never give anything by mouth to an unconscious
Person

Get medical aid. Do not induce vomiting. If conscious and alert, rinse mouth and drinking 2-4 cupfuls of milk or water.

Advice to doctor: Treat the symptoms.

5. Fire-fighting Measures

Extinguishing media: The product itself is not flammable; take extinguishing action appropriate to the fire in the surroundings.

Foam; dry powder; carbon dioxide; water-spray jet.

Auto-ignition temperature: Not available.

Flash point: Not available.

Explosion limits: Not available.

Flammability: 0

6. Accidental release measures/ Public Safety in Emergency

Personal precaution: Do not inhale. Avoid contact with eyes and skin.

Environmental precaution: Avoid release into the sewage network or the aquatic environment.

Methods for cleaning up: Take up mechanically. Rinse away residues with water.

Dispose of contaminated material in accordance with the safety regulations.

7. Handling and Storage

Handling: Avoid dust formation and accumulation. No special measures are required if the material is stored and handled in accordance with the

regulations.

Storage: No special measures are required if the material is stored and handled in accordance with the regulations.

Stability: storage period > 12 months.

Requirements for packaging: Storage container in a dry, cool, well ventilated place.

8. Exposure controls / Personal Protection

LIMIT VALUE*

*Dutch limit value (MAC): Not defined.

MEASURES

Technical: Do not inhale. Avoid contact with eyes and skin. Provide good ventilation and local fume extraction.

Organizational: Monitor compliance with safety regulations

Hygienic: After work, wash and care for the skin thoroughly.

PERSONAL PROTECTIVE EQUIPMENT:

Respiratory protection: Dust mask, filter type P2

Hand protection: Rubber gloves.

Eye protection: Safety goggles.

9. Physical and Chemical Properties

Physical condition: Solid

Color: White

Odor: Odourless

Molecular Weight: 367.86

Acid / pH: 9.2 – 10.20 (at 10g/l H₂O and 20°C)

Boiling point: 1000°C Min.

Melting point: Approx. 622°C

Volatile matter: 0.50% - 1%

Rate of hydration: 5°C– 10°C (temperature rise 1 minute)

Rate of hydration: 8°C - 15°C (temperature rise 5 minute)

Bulk density: 380kg/m³ to 1000kg/m³

Solubility in water: Approx. 150 g/L (at 20°C); approx. 180 g/L(at 60°C).

10. Stability and Reactivity

Stability: Thermal decomposition: above 600°C.

Conditions To Be Avoided: Dusting conditions, extreme heat, extreme humidity.

Materials/Chemicals To Be Avoided: Strong acids, strong oxidizing agents.

11. Toxicological information

Acute toxicity: Oral: (LD₅₀) > 2000 mg/kg. Exposure period: 15 days.

Species: Rat.

Source: Hoechst study.

Topical effects: Skin irritation: not irritation. Exposure period: 15 days.

Species: Rabbit.

Source: Hoechst study.

Eye irritation: not irritation. Exposure period: 15 days. Species: Rabbit.

Source: Hoechst study.

Hyper-sensitization: Not sensitizing

Long-term effects: This product does not contain any ingredient designated by IARC, NTP, ACGIH or OSHA as probable or suspected human carcinogens.

12. Ecological Information

Ecotoxicity: Toxicity to bacteria: (EC50) > 1000 mg/l. Exposure period: 48 hours.

Source: Active sludge. Method: OECD 209. Source: Hoechst study.

Other: Inorganic compounds in contact with the soil, subsurface or surface waters may be taken up by plants and utilized as essential nutrients.

Phosphates may also form precipitates, usually in the form of calcium or magnesium. The resultant compounds are insoluble in water and become part of the soil or sediment.

The term biodegradability, as such, is not applicable to inorganic compounds.

13. Disposal Considerations

Method of disposal: Consult the manufacturer about recycling.

Waste Disposal Method: Chemical additions, processing or otherwise altering this material may make the waste management information

presented in this MSDS incomplete, inaccurate or otherwise inappropriate. Please be advised that state and local requirements for waste disposal may be more restrictive or otherwise different from laws and regulations. Consult state and local regulations regarding the proper disposal of this material.

14. Transport Information

UN – number:

EC – number: 231-838-7

GEVI – number:

Transport name: Depends of types STPP.

ADR/ADNR/RID class: Not a hazardous substance.

IMO/IMDG – class: Not a hazardous substance.

IATA: Not a hazardous substance.

15. Regulatory Information

Labeling and Placarding:

EC – labeling: Labeling in conformity with directives 67/548/EEC and 88/379/EEC: not subject to the labeling regulation.

Special regulations: Germany: Water endangerment category: 1 (KBwS classification)

KBwS no.: 1209.

16. Others

This information is based on our present state of knowledge. It should not

therefore be construed as guaranteeing specific properties of the products described or their suitability for a particular application.