

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

Product identifier:

Product form: Substance
Substance name: SODIUM TRIPOLYPHOSPHATE
EC number: 231-838-7
CAS number: 7758-29-4
REACH registered number(s): 01-2119430450-54-XXXX
Formula: H₅O₁₀P₃.5Na
Synonyms: Sodium Tripolyphosphate Powder
Other means of identification: STPP, STPP powder, STPP granular

Relevant identified uses of the substance or mixture and uses advised against:

Relevant identified uses:

Use of substance / mixture: Intermediate.
Metal surface treatment products, including galvanic and electroplating products.
Textile dyes, finishing and impregnating products; including bleaches and other processing aids.
Water treatment chemicals.
Washing and cleaning products.
Cosmetics.
Laboratory chemicals.

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2. HAZARDS IDENTIFICATION

Classification of the substance or mixture:

Classification according to Regulation (EC) No. 1272/2008 [CLP]: Not classified.

Adverse physicochemical, human health and environmental effects:

To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

Label elements:

Labelling according to Regulation (EC) No. 1272/2008 [CLP]: No labelling applicable.

Other hazards: No additional information available.

[cont...]

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3. COMPOSITION / INFORMATION ON INGREDIENTS

Substances:

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
SODIUM TRIPOLYPHOSPHATE	CAS-No.: 7758-29-4 EC-No.: 231-838-7 REACH-no: 01-2119430450-54	100	Not classified

4. FIRST AID MEASURES (SYMPTOMS)

Description of first aid measures:

First-aid measures after inhalation: Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact: Take off contaminated clothing. Wash skin with plenty of water.

First-aid measures after eye contact: Rinse eyes with water as a precaution. If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion: Do not induce vomiting. If unconscious, place in the recovery position and seek medical advice.

Most important symptoms and effects, both acute and delayed:

Symptoms/effects after inhalation: May cause respiratory irritation.

Symptoms/effects after skin contact: May cause slight irritation.

Symptoms/effects after eye contact: May cause eye irritation. Redness.

Symptoms/effects after ingestion: Irritation to throat.

Indication of any immediate medical attention and special treatment needed: Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Extinguishing media:

Suitable extinguishing media: Use extinguishing media appropriate for surrounding fire.

Special hazards arising from the substance or mixture:

Hazardous decomposition products in case of fire: Toxic fumes may be released.

Advice for fire-fighters:

Protection during firefighting: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

For emergency responders:

Protective equipment: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

Environmental precautions: Do not discharge into drains or rivers.

[cont...]

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Methods and material for containment and cleaning up:

Methods for cleaning up: Shovel or sweep up and put in a closed container for disposal. Clean contaminated surfaces with an excess of water.

Other information: Dispose of materials or solid residues at an authorised site.

Reference to other sections: No additional information available.

7. HANDLING AND STORAGE

Precautions for safe handling:

Precautions for safe handling: Ensure good ventilation of the workstation.

Hygiene measures: Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

Conditions for safe storage, including any incompatibilities:

Storage conditions: Store in a cool, well-ventilated place. Keep out of direct sunlight.

Specific end use(s): No additional information available.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters: No additional information available.

Exposure controls:

Appropriate engineering controls: Ensure good ventilation of the workstation.

Personal protection equipment:

Personal protective equipment symbol(s):



Eye and face protection:

Eye protection: Safety glasses.

Skin protection:

Skin and body protection: Wear suitable protective clothing.

Hand protection: Protective gloves.

Respiratory protection: Respiratory protective device with a particle filter.

Environmental exposure controls: Avoid release to the environment.

[cont...]

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties:

Physical state:	Solid
Colour:	White
Odour:	Odourless
Odour threshold:	Not available
Melting point:	622°C
Freezing point:	Not available
Boiling point:	Not available
Flammability:	Not available
Lower explosion limit:	Not applicable
Upper explosion limit:	Not applicable
Flash point:	Not applicable
Auto-ignition temperature:	Not applicable
Decomposition temperature:	Not available
pH:	9.2 - 10
pH solution:	Not available
Viscosity, kinematic:	Not applicable
Solubility:	Slightly soluble
Partition coefficient n-octanol/water (Log Kow):	Not available
Vapour pressure:	Not available
Vapour pressure at 50°C:	Not available
Density:	Not available
Relative density:	2.55
Relative vapour density at 20°C:	Not applicable
Particle size:	Not available
Other information:	No additional information available

10. STABILITY AND REACTIVITY

Reactivity: The product is non-reactive under normal conditions of use, storage and transport.

Chemical stability: Stable under normal conditions.

Possibility of hazardous reactions: No additional information available.

Conditions to avoid: Heat.

Incompatible materials: Strong oxidising agents.

Hazardous decomposition products: On combustion releases: Toxic fumes.

11. TOXICOLOGICAL INFORMATION

Information on hazard classes as defined in Regulation (EC) No 1272/2008:

Acute toxicity (oral):	Not classified
Acute toxicity (dermal):	Not classified
Acute toxicity (inhalation)	Not classified
Skin corrosion/irritation:	Not classified pH: 9.2 - 10
Serious eye damage/irritation:	Not classified pH: 9.2 - 10
Respiratory or skin sensitisation:	Not classified
Germ cell mutagenicity:	Not classified
Carcinogenicity:	Not classified
Reproductive toxicity:	Not classified
STOT-single exposure:	Not classified
STOT-repeated exposure:	Not classified
Aspiration hazard:	Not classified

Information on other hazards: No additional information available.

12. ECOLOGICAL INFORMATION

Toxicity:

Ecology – general: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

Hazardous to the aquatic environment, short-term (acute): Not classified.

Hazardous to the aquatic environment, long-term (chronic): Not classified.

Persistence and degradability:

SODIUM TRIPOLYPHOSPHATE (7758-29-4)	
Persistence and degradability	Not rapidly degradable

Bioaccumulative potential: No additional information available.

Mobility in soil:

SODIUM TRIPOLYPHOSPHATE (7758-29-4)	
Ecology - soil	Soluble in water

Results of PBT and vPvB assessment: No additional information available.

Endocrine disrupting properties: No additional information available.

Other adverse effects: No additional information available.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods: Deposit into or on to land (e.g. landfill, etc.).

Product/Packaging disposal recommendations: May be disposed of with non-hazardous industrial waste.

14. TRANSPORT INFORMATION

In accordance with ADR / IMDG / IATA / ADN / RID:

UN number: Not regulated

UN proper shipping name: Not regulated

Transport hazard class(es): Not regulated

Packing group: Not regulated

Environmental hazards: Not regulated

No supplementary information available.

Special precautions for user:

Overland transport: Not regulated

Transport by sea: Not regulated

Air transport: Not regulated

Inland waterway transport: Not regulated

Rail transport: Not regulated

Maritime transport in bulk according to IMO instruments: Not applicable

15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture:

EU-Regulations:

REACH Annex XVII (Restriction List): Not listed on REACH Annex XVII

REACH Annex XIV (Authorisation List): Not listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC): Not listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent): Not listed on the PIC list (Regulation EU 649/2012)

POP Regulation (Persistent Organic Pollutants): Not listed on the POP list (Regulation EU 2019/1021)

Ozone Regulation (2024/590): Not listed on the Ozone Depletion list (Regulation EU 2024/590)

Council Regulation (EC) for the control of dual-use items: Not listed on the COUNCIL REGULATION (EC) of dual-use items.

Explosives Precursors Regulation (EU 2019/1148): Not listed on the Explosives Precursors list (EU)

Drug Precursors Regulation (EC 273/2004): Not listed on the Drug Precursors list (EU)

Chemical safety assessment: A chemical safety assessment has been carried out for the substance or the mixture by the supplier.

Note: The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions. [cont...]

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16. OTHER INFORMATION

Legal disclaimer:

The information contained in this SDS does not constitute a risk assessment, and should not replace the user's own assessment of risks as required by other health and safety legislation. This advice is given by Nexchem Ltd who accept no legal liability for it except otherwise provided by law. The information contained herein is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It should not therefore be construed as guaranteeing specific properties.