

Safety Data Sheet

WEGO CHEMICAL & MINERAL CORP

239 Great Neck Road

Great Neck, NY 11021

Phone: (516) 487 3510; email: sales@wegochem.com

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Sodium Tripolyphosphate

Section 1 - Chemical Product and Company Identification

Product/Chemical Name: Sodium Tripolyphosphate

Chemical Formula: Na₅P₃O₁₀

CAS Number: 7758-29-4

Other Designations: STPP, Pentasodium tripolyphosphate, Pentasodium triphosphate

General Use:

Emergency Telephone: (ChemTel) Contract MIS0000335; 800 255-3924; INTL 813 248-0585

Section 2 - Hazards Identification

☆☆☆☆☆ **Emergency Overview** ☆☆☆☆☆

Appearance: white. **Warning!** Causes respiratory tract irritation. Hygroscopic. May cause respiratory and digestive tract irritation. Causes eye and skin irritation.

HMIS

H 2

F 0

R 0

PPE[†]

[†]Sec. 8

Potential Health Effects

Primary Entry Routes:

Target Organs: No data found.

HAZARDS IDENTIFICATION

Classification of the substance or mixture

Not a hazardous substance or mixture.

GHS Label elements, including precautionary statements

Not a hazardous substance or mixture.

Hazards not otherwise classified (HNOC) or not covered by GHS - none

Acute Effects

Eye: Causes eye irritation. May cause chemical conjunctivitis.

Skin: Causes skin irritation.

Ingestion: May cause gastrointestinal irritation with nausea, vomiting and diarrhea.

Inhalation: Causes respiratory tract irritation. The toxicological properties of this substance have not been fully investigated. Can produce delayed pulmonary edema.

Carcinogenicity: IARC, NTP, and OSHA do not list Sodium Tripolyphosphate as a carcinogen.

Medical Conditions Aggravated by Long-Term Exposure:

Chronic Effects: Effects may be delayed.

Section 3 - Composition / Information on Ingredients

Ingredient Name	CAS Number	EINECS/ELINCS	% wt or % vol
Sodium Tripolyphosphate	7758-29-4	231-838-7	100

Hydroscopic

Ingredient	OSHA PEL		ACGIH TLV		NIOSH REL		NIOSH
	TWA	STEL	TWA	STEL	TWA	STEL	IDLH
Sodium Tripolyphosphate	none estab.	none estab.	none estab.	none estab.	none estab.	none estab.	none estab.

Section 4 - First Aid Measures

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

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.

Ingestion: Never give anything by mouth to an unconscious person. Get medical aid. Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water.

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

After first aid, get appropriate in-plant, paramedic, or community medical support.

Note to Physicians: Treat symptomatically and supportively.

Special Precautions/Procedures:

Section 5 - Fire-Fighting Measures

Flash Point: Not applicable

Auto-ignition Temperature: Not applicable

LEL: Not applicable

UEL: Not applicable

Flammability Classification: non-flammable

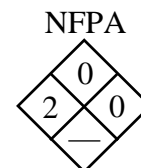
Extinguishing Media: Use agent most appropriate to extinguish fire. Use water spray, dry chemical, carbon dioxide, or appropriate foam.

Unusual Fire or Explosion Hazards: None

Hazardous Combustion Products: Oxides of phosphorus, irritating and toxic fumes and gases, toxic fumes of sodium oxide.

Fire-Fighting Instructions: Do not release runoff from fire control methods to sewers or waterways.

Fire-Fighting Equipment: Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full facepiece operated in pressure-demand or positive-pressure mode.



Section 6 - Accidental Release Measures

Spill /Leak Procedures: Use proper personal protective equipment as indicated in Section 8.

Small Spills: Vacuum or sweep up material and place into a suitable disposal container. Clean up spills immediately, observing precautions in the Protective Equipment section. Avoid generating dusty conditions. Provide ventilation.

Large Spills

Containment: For large spills, dike far ahead of spill for later disposal. Do not release into sewers or waterways.

Cleanup:

Regulatory Requirements: Follow applicable OSHA regulations (29 CFR 1910.120).

Section 7 - Handling and Storage

Handling Precautions: Wash thoroughly after handling. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation. Use with adequate ventilation. Wash clothing before reuse.

Storage Requirements: Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances. Store protected from moisture.

Section 8 - Exposure Controls / Personal Protection

Engineering Controls:

Ventilation: Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs (Sec. 2). Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source.

Administrative Controls:

Respiratory Protection: Seek professional advice prior to respirator selection and use. Follow OSHA respirator regulations (29 CFR 1910.134) and, if necessary, wear a MSHA/NIOSH-approved respirator. Select respirator based on its suitability to provide adequate worker protection for given working conditions, level of airborne contamination, and presence of sufficient oxygen. For emergency or non-routine operations (cleaning spills, reactor vessels, or storage tanks), wear an SCBA.

Warning! Air-purifying respirators do not protect workers in oxygen-deficient atmospheres. If respirators are used, OSHA requires a written respiratory protection program that includes at least: medical certification, training, fit-testing, periodic environmental monitoring, maintenance, inspection, cleaning, and convenient, sanitary storage areas.

Protective Clothing/Equipment: Wear chemically protective gloves, boots, aprons, and gauntlets to prevent prolonged or repeated skin contact. Wear protective eyeglasses or chemical safety goggles, per OSHA eye- and face-protection regulations (29 CFR 1910.133). Contact lenses are not eye protective devices. Appropriate eye protection must be worn instead of, or in conjunction with contact lenses.

Safety Stations: Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.

Contaminated Equipment: Separate contaminated work clothes from street clothes. Launder before reuse. Remove this material from your shoes and clean personal protective equipment.

Comments: Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.

Sodium Tripolyphosphate

Section 9 - Physical and Chemical Properties

Physical State: Solid (Hydroscopic)
Appearance: white granules/powder
Odor: Odorless
Vapor Pressure: Not applicable.
Vapor Density (Air=1): Not available.
Formula Weight: 367.86
Bulk Density: 0.5 – 1.2 G/ML
Density/Specific Gravity (H₂O=1, at 4 °C): >1.5
PH(1% soln.): 10

Water Solubility: 20% @ 25 °C
Other Solubilities:
Boiling Point: 1000 °C
Freezing/Melting Point: 622 °C
Decomposition Temperature: 622 °C
Viscosity: Not applicable.
Evaporation Rate:

Section 10 - Stability and Reactivity

Stability: Sodium Tripolyphosphate is stable at room temperature in closed containers under normal storage and handling conditions.

Polymerization: Hazardous polymerization cannot occur.

Chemical Incompatibilities:

Conditions to Avoid:

Hazardous Decomposition Products: Thermal oxidative decomposition of Sodium Tripolyphosphate can produce oxides of phosphorus, irritating and toxic fumes and gases, toxic fumes of sodium oxide.

Section 11- Toxicological Information**Toxicity Data:***

Eye Effects:

Skin Effects:

Acute Oral Effects:

Rat, oral, LD₅₀: 3900 mg/kg

Carcinogenicity: No information available.

Mutagenicity: No information available.

Teratogenicity: No information available.

* See NIOSH, RTECS (YK4570000), for additional toxicity data.

Section 12 - Ecological Information

Ecotoxicity: No information available.

Environmental Fate: No information available.

Environmental Degradation: No information available.

Soil Absorption/Mobility: No information available.

Section 13 - Disposal Considerations

Disposal: Contact your supplier or a licensed contractor for detailed recommendations. Follow applicable Federal, state, and local regulations.

Disposal Regulatory Requirements:

Container Cleaning and Disposal:

Section 14 - Transport Information**Not regulated for transportation**

US DOT(49 CFR 172.101):

PSN:

Hazard Class:

UN Number:

Packing Group:

IATA

PSN:

Hazard Class:

UN Number:

Packing Group:

IDG

PSN:

Hazard Class:

UN Number:

Packing Group:

IMDG/IMO

PSN:

Hazard Class:

UN Number:

Packing Group:

Section 15 - Regulatory Information

US FEDERAL

TSCA

CAS# 7758-29-4 is listed on the TSCA inventory.

Health & Safety Reporting List

None of the chemicals are on the Health & Safety Reporting List.

Chemical Test Rules

None of the chemicals in this product are under a Chemical Test Rule.

Section 12b

None of the chemicals are listed under TSCA Section 12b.

TSCA Significant New Use Rule

None of the chemicals in this material have a SNUR under TSCA.

SARA

Section 302 (RQ)

CAS# 7758-29-4: final RQ = 5000 pounds (2270 kg) (Listed under 'Sodium phosphate, tribasic')

Section 302 (TPQ)

None of the chemicals in this product have a TPQ.

SARA Codes

CAS # 7758-29-4: acute.

Section 313

No chemicals are reportable under Section 313.

Clean Air Act:

This material does not contain any hazardous air pollutants. This material does not contain any Class 1 Ozone depleters. This material does not contain any Class 2 Ozone depleters.

Clean Water Act:

CAS# 7758-29-4 is listed as a Hazardous Substance under the CWA. None of the chemicals in this product are listed as Priority Pollutants under the CWA. None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

OSHA: None of the chemicals in this product are considered highly hazardous by OSHA.

STATE

CAS# 7758-29-4 can be found on the following state right to know lists: California, New Jersey, Pennsylvania, Massachusetts.

California No Significant Risk Level: None of the chemicals in this product are listed.

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols:

XI

Risk Phrases:

R 36/37/38 Irritating to eyes, respiratory system and skin.

Safety Phrases:

S 37 Wear suitable gloves. S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). S 28A After contact with skin, wash immediately with plenty of water.

WGK (Water Danger/Protection)

CAS# 7758-29-4: 1

Canada

CAS# 7758-29-4 is listed on Canada's DSL/NDSL List.

This product has a WHMIS classification of D2B.

CAS# 7758-29-4 is not listed on Canada's Ingredient Disclosure List.

Section 16 - Other Information

Disclaimer: All information, recommendations and suggestions appearing herein are based upon sources believed to be reliable: However, it is the users responsibility to determine the safety, toxicity and suitability for its own use of this product. WEGO CHEMICAL & MINERAL CORP. DOES NOT ASSUME ANY LIABILITY ARISING OUT OF THE USE BY OTHERS OF THIS PRODUCT.