



Sodium Tripolyphosphate Tech. Grade

SAFETY DATA SHEET

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SDS#: 1294

Review/Revision Date: 09/12/19

SECTION 1 - General Information And Chemical Product Identification

Trade Name: **Sodium Tripolyphosphate Tech. Grade**

CAS #: **7758-29-4**

Chemical Name: **Sodium Phosphate, Tribasic**

Product Code:

STPTGREE

Application/Uses/ **Used in Detergents, chelating agent, water softener**

Restrictions **None specified**

Distributor Information **LidoChem, Inc. 20 Village Court, Hazlet, NJ 07730, Phone: (732) 888 8000
Fax: (732) 264 2751 * email: info@lidochem.com**

Emergency phone #: **CHEMTREC - Day or Night - at 800 424 9300**

SECTION 2 - Hazard(s) Identification

Classification of the substance or mixture (GHS-US)

Not a hazardous substance or mixture
NOT CLASSIFIED

GHS Precautionary Statements - Prevention, Response, Storage, Disposal

No label elements required

PREVENTION: Not Applicable

RESPONSE: Not Applicable

STORAGE: Not Applicable

P501: Dispose of contents/container to local, state and federal regulations.

Physical Hazards

None

Hazard Statement

No Label Element(s) required

OSHA Defined Hazards

This product does NOT contain any products considered hazardous under the Federal OSHA HazCom. Standard 29 CFR 1910.1200.

HNOC - Hazards Not Otherwise Classified

No other hazards classified

Signal

Word

None

SECTION 3 Composition/information On Ingredients

Molecular Weight: **367.9 g/mol**

Chemical FORMULA: **Na₅ P₃ O₁₀**

CAS#:	Common Name/Synonyms:	% by Wt.
7758-29-4	Sodium Phosphate, Tribasic	99%

SECTION 4 - First Aid Information

Description of first aid measures

General Advice:

All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

If Inhaled:

Remove to fresh air. If breathing becomes difficult, oxygen may be given, preferably with a physician's advice. If not breathing, give artificial respiration. Get medical attention.

In Case Of Skin Contact:

Immediately wash with soap and water for a minimum of 15 minutes. Wash clothing before reuse and discard footwear which cannot be cleaned. Get immediate medical attention if irritation occurs.

In Case Of Eye Contact:

Flush eyes with large quantities of running water for a minimum of 15 minutes. If present and easy to do, remove contact lenses. Hold eyelids apart during the flushing to ensure rinsing of entire surface of the eye and lids with water. DO NOT let victim rub eye(s). Do not attempt to neutralize with chemical agents. Oils/ointments should not be used at this time. Get medical attention if eye irritation occurs.

If Swallowed:

If victim is conscious and alert, give 2-3 glasses of water to drink and induce vomiting by touching back of throat with a finger. **Do not induce vomiting or give anything by mouth to someone who is unconscious, having convulsions, or unable to swallow.** Seek immediate medical attention. Do not leave victim unattended. Vomiting may occur spontaneously. To prevent aspiration of swallowed product, lay victim on side with head lower than waist. If vomiting occurs and the victim is conscious, give water to further dilute the chemical. See section XVI for further info.

Most important symptoms and effects, both acute and delayed:

No significant signs or symptoms of exposure. May cause eye irritation with redness.

Indication of any immediate medical attention and special treatment needed:

All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

SECTION 5 - Fire And Explosion Data

Suitable Extinguishing Media:

Chemical type foam, CO₂ (Carbon Dioxide), water fog, use extinguishing method suitable for surrounding fire.

Unsuitable Extinguishing Media:

None known

Specific Hazards arising from the chemical:

Oxides of sodium, oxides of phosphorus. - non combustible

Special protective equipment and precautions for fire-fighters:

Wear positive pressure self-contained breathing apparatus (SCBA). Structural firefighters' protective clothing will only provide limited protection.

Fire-fighting equipment/instructions

This product is a nonflammable inorganic substance. However, hazardous decomposition and combustion products may be formed in a fire situation. Cool exposed containers with water spray to prevent overheating.

Specific Methods

Move containers from fire area if you can do it without risk. Do not scatter spilled material with high pressure water streams. Dike fire-control water for later disposal.

Section 6 - Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:

Wear the appropriate personal protection equipment (Section 8).
Do not touch or walk through spilled material. Keep unauthorized personnel away.
Avoid breathing vapours, mist or gas. Avoid breathing dust.

Environmental Precautions:

Prevent entry into waterways, sewers, basements or confined areas.

Methods and Materials for Containment and Clean Up:

Avoid generating dust. **SMALL DRY SPILLS:** With clean shovel place material into clean, dry container and cover loosely; move containers from spill area. **LARGE SPILLS:** Cover powder spill with plastic sheet or tarp to minimize spreading. Clean up residual material by washing area with water. Collect washings for disposal. Decontaminate tools and equipment after cleanup.

Section 7- Handling and Storage

Precautions for safe handling:

Use appropriate personal protective equipment as specified in Section 8. Further processing of solid materials may result in the formation of combustible dusts. The potential for combustible dust formation should be taken into consideration before additional processing occurs. Provide appropriate exhaust ventilation at places where dust is formed.

Conditions for safe storage:

Handle in a well ventilated area. Handle and use in a manner consistent with good industrial/manufacturing techniques and practices. Store in unopened containers under cool and dry conditions. Do not store with, or close to acids. Do not store with, or close to strong bases.

Incompatibilities:

Strong acids, Strong bases, strong oxidizing agents.

Section 8 - Exposure Control and Personal Protection

Occupational Exposure Limits:

Chemical Identity:	CAS #:	Exposure Limit Values		SOURCE	OSHA/PPM
		TWA	STEL		PEL
Sodium Phosphate, Tribasic	7758-29-4	10mg/m3	N/E	ACGIH Threshold Limit Values	none
				ACGIH Threshold Limit Values	
				ACGIH Threshold Limit Values	

Exposure Limits and Appropriate Engineering Controls:

Exposure limits represent regulated or recommended worker breathing zone concentrations measured by validated sampling and analytical methods, meeting OSHA requirements. The following limits (ACGIH, OSHA and other) apply to this material, where, if indicated, S=skin and C=ceiling limit:
ACGH TLV/TWA PARTICULATES NOT OTHERWISE CLASSIFIED : 10 mg/cubic meter(INHALABLES)

Individual Protection Measures, (Personal Protective Equipment):

Eye Protection

Eye/face protection requirements vary depending upon work environment conditions and material handling practices. Appropriate ANSI Z87 approved equipment should be used for the particular use intended for this material. Use chemical safety glasses with side shields or splash proof goggles and face shield to prevent eye/face contact. Emergency eye wash must be readily accessible to work area.

Skin Protection

Skin contact should be prevented through use of suitable protective clothing, gloves and footwear, selected with regard for use conditions and exposure potential. Consideration must be given both to durability as well as permeation resistance.

Other Protection:

Suitable clothing to prevent contact with skin.

Respiratory Protection

When respirators required, to control nuisance dust levels, use NIOSH/MSHA approved equipment based on actual/potential airborne concentration and in accordance with the latest OSHA standard (29 CFR 1910.134) and/or ANSI Z88.2 recommendations.

Ventilation Limits:

If dust is generated, provide local exhaust ventilation to control airborne levels below the ACGH TLV-TWA exposure limit for Particulates Not Otherwise Classified of 10 mg/M3 for inhalable particles and 3 mg/m3 for respirable.

Hygienic Practices:

All food / smoking materials should be kept in a separate area away from the storage/use location. Eating, drinking and smoking should be prohibited in areas where there is a potential for significant exposure to this material. Before eating, drinking or smoking, hands and face should be thoroughly washed. Facilities storing or using this material should be equipped with an eyewash and safety shower.

Section 9 - Physical and Chemical Properties

Appearance And Odor: White granular without an odor

pH: 9.2 - 10.5%

Melting Point: 622 Deg. C

Freezing Point: No data available

Boiling Point: No data available

Flash Point: Non flammable

Evaporation Rate: No data available

Solubilities: 148 g/l at 20 °C (68 °F) - soluble

Specific Gravity: No data available

Bulk Density: No data available

Other Information: No data available

Flammable Limits: No data available

UEL: No data available

LEL: No data available

Vapor Pressure(mm/hg): Nonvolatile

Vapor Density(air=1): Nonvolatile

Autoignition Temp: No data available

Decomposition Temp: No data available

Reactivity In Water: No data available

Viscosity: No data available

Section 10 - Stability and Reactivity

Chemical Stability and Reactivity:

The product is stable under normal ambient conditions of temperature and pressure.

Possible Hazardous Reactions:

No data available

Conditions to Avoid:

Heat, moisture

Incompatible Materials:

Strong acids, Strong bases, strong oxidizing agents.

Hazardous Decomposition Products:

No data available

Section 11- Toxicological Information

Information On The Likely Routes Of Exposure: Inhalation, ingestion and dermal.

Symptoms Related To The Physical, Chemical And Toxicological Effects:

Inhalation Effects:

LC50 Inhalation - Rat - male and female - 4 h - > 0.39 mg/l LD50

Skin Effects:

This material is not expected to cause significant irritation to the skin.

Dermal Toxicity:

LD50 Dermal - Rabbit - 4,640 mg/kg

Eye Effects:

Eyes - Rabbit - Result: No eye irritation (OECD Test Guideline 405)

Ingestion Effects:

LD50 Oral - Rat - male and female - > 2,000 mg/kg (OECD Test Guideline 401)

Sensitization:

in vivo assay - Mouse - Result: Did not cause sensitization on laboratory animals. (OECD Test Guideline 429)

Carcinogenicity/Mutagenicity:

Not listed as a carcinogen by IARC, NTP, OSHA. Mutagenicity information is not available.

in vitro assay S. typhimurium Result: negative

Reproductive Effects:

Not data available

Neurotoxicity:

Not data available

Target Organs:

Not data available STOT or Repeated exposure

Additional Toxicological Information:

Ingestion of large doses is expected to cause vomiting.

Section 12- Ecological Information

Ecotoxicity: Not data available

Degradability: Not data available

Bioaccumulative potential: Not data available

Mobility in the Soil: Not data available

Additional Adverse effect on environment:

May cause adverse environmental impact if material reaches waterways.

SECTION 13 - Disposal Considerations

Disposal Instructions and Regulations:

(Consult federal, state, and local regulations) If material cannot be salvaged, a method of disposal is in a landfill in accordance with all local, state and federal regulations. Dispose of at a supervised incineration facility or an appropriate waste disposal facility according to current applicable laws and regulations and product characteristics at time of disposal. Chemical additions, processing or otherwise altering this material may make the waste management information presented incomplete, inaccurate or otherwise inappropriate.

Hazardous Waste Code: Not considered a hazardous waste

Container Disposal Information:

Please be advised that state and local requirements for waste disposal may be more restrictive or otherwise different from federal laws and regulations. Consult state and local regulations regarding the proper disposal of empty containers.

Section 14 - Transport Information

US DOT, IATA, IMO, ADR:

Proper Shipping Name: Sodium Tripolyphosphate

D. O. T. Hazard Class: Not Regulated by D.O.T.

UN #: None

Label Requirement: None

RQ: 5,000 lbs.

Placard: None

CAS: 7758-29-4

Packing Group: N/A

ERG Book Information: 171

Environment Hazards: No

Marine Pollutant: No

Special Precautions: No

IATA: No

Section 15 - Regulatory Information

US Federal - OSHA Status:

This product does NOT contain any products considered hazardous under the Federal OSHA HazCom. Standard 29 CFR 1910.1200.

TSCA Status:

Listed/Reportable on the Active TSCA List

U.S. SARA Reporting Requirements:

SARA Title III Hazard Classes Section 302 - EXTREMELY HAZARDOUS SUBSTANCES:

This product does NOT contain ingredients listed in Appendix A and B as Extremely Hazardous substances.

SARA Title III Hazard Classes Sections 311/312:

Not applicable

SARA Section 313 Toxic Chemicals:

This product contains the following toxic chemical subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right to Know Act:

CAS# Chemical Name:

This material does NOT contain any chemical components with known CAS numbers that exceed the threshold reporting levels.

SARA Superfund Section 110:

This product does contain a hazardous substance(s) as listed on the Priority List of CERCLA Hazardous substances.

CERCLA, 40 CFR 117, 302:

This product does NOT contain ingredients specified in the List of Extremely Hazardous Substances.

CERCLA listed substances are:

CAS# 7758-29-4	Triphosphoric Acid, Penta sodium salt	RQ 5,000 lbs.
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Other Federal Reporting Requirements:

CAA: This product does not contain any substances regulated as hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act
CWA: No chemicals in product are listed a Hazardous Substances, Priority Pollutants or Toxic Pollutants under the CWA.
RCRA: Not considered a hazardous waste.

State Reporting Requirements:

State Right to Know Laws:

CAS#	State RTK	Chemical Name
7758-29-4	PA, MA	Pentasodium triphosphate

CALIFORNIA PROPOSITION 65:

To the best of our knowledge, this product does NOT contain any of the listed chemicals, which the state of California has found to cause cancer, birth defects or other reproductive harm. For more information, go to www.P65Warnings.ca.gov.

Michigan Critical Materials:

This product does NOT contain ingredients listed on the Michigan Critical Materials Register.

Global Lists/International Inventories:

Canada CEPA: All intentional ingredients are listed on the DSL.
Canada WHMIS: This product is not WHMIS controlled.

SECTION 16 - Other Information

HAZARD WARNING: If this product is used in combination with Trimethylolpropane, Trimethylolpropane derived products or their corresponding Trimethylol alkane homologs, THERE IS A POSSIBILITY that bicyclic phosphites and/or phosphites may be produced as a result of thermal decomposition. Bicyclic phosphates and phosphites have acute neurotoxic properties and may cause convulsive seizures in laboratory test animals. Therefore, this product should not be used in conjunction with Trimethylolpropane or Trimethylolpropane derived products unless tested to determine their decomposition toxicity. Follow all precautionary measures outlined in this Safety Data Sheet.

7-30-15 - SDS reviewed - updated to GHS requirements. This replaces all previous MSDS's -

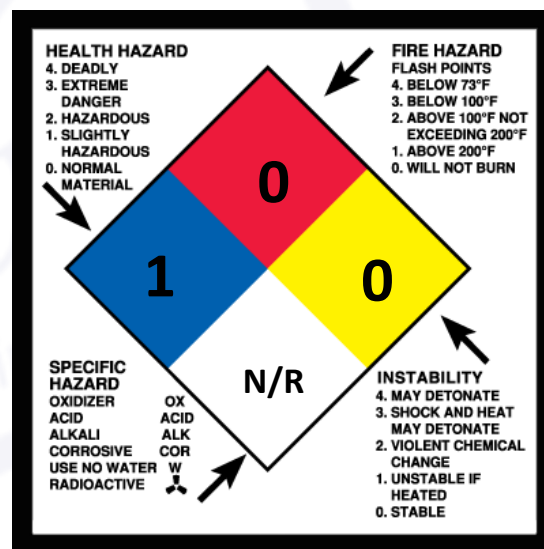
5-15-17 - Reviewed no changes.

10-17-17 - Corrected Shipping Name

8-20-18 - Reviewed, updated California Proposition 65 statement, this replaces all previous SDS's.

8-1-19 - Updated TSCA inventory - product is on the active TSCA list.

9-12-19 corrected % of STP in Section 3.



Date of last revision:

9-12-2019

Reach Number EU

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NOTICE: OSHA STANDARD 29 CFR 1910.1200 requires that information be provided to employees regarding the hazards of chemicals by means of a Hazard Communication Program including training, labeling, Material Safety Data Sheets, and access to written records. We request that you, and it is your legal duty, make all information in this Material Safety Data Sheet available to your employees.

Key Legend Information:

N/Ap:	Not Applicable	ND:	Not Determined
N/R:	Not Rated	NDA:	No Data Available
ACGI:	American Conference of Govr'ntal Industrial Hygienists	TLV:	Threshold Limit Value
OSHA:	Occupational Safety and Health Administration	TWA:	Time Weighted Average
PEL:	Permissible Exposure Limit	NTP:	National Toxicology Program
STEL:	Short Term Exposure Limit	TSCA:	Toxic Substance Control Act
IARC:	International Agency for Research on Cancer	CERCLA:	Comprehensive Response, Compensation and Liability Act
SARA Title III:	Superfund Amendments and Reauthorization Act	CWA:	Clean Water Act
CAA:	Clean Air Act		
RCRA:	Resource Conservation Recovery Act	IMO:	International Maritime Organization Shipping Info.
IATA:	International Air Transport Association Shipping Info.	WHMIS:	Workplace Hazardous Materials Information System
DSL:	Domestic Substance List (Canada)		

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind expressed or implied is made with respect to the information contained herein. This Safety Data Sheet was prepared to comply with OSHA Hazard Communication standard. (29 CFR 1910.1200 HazCom 2012). This supersedes any previous information. Since the actual use by others is beyond our control, no guarantee, expressed or implied, is made by LidoChem, Inc. as to the effects of such use or the results to be obtained, nor does LidoChem, Inc. assume any liability arising out of use, by others, of the products referred to herein. Nor is the information herein to be construed as absolutely complete since additional information may be necessary or desirable when particular or exceptional conditions or circumstances exist because of applicable laws or government regulations. All LidoChem Inc. SDS's are reviewed every three years or sooner if necessary. Please check the Review Date on Page 1 for most current version. Please request a new SDS from LidoChem, Inc. if the date is older than 3 years.