


Safety Data Sheet

Sodium Tripolyphosphate

Section 1. Chemical Product and Company Identification		Page Number: 1	
Trade Name:	Sodium Tripolyphosphate	Product Serial #:	STPP-1-01
Synonym:	Sodium triphosphate; Sodium phosphate;	CAS #:	7758-29-4
Chemical Name:	Triphosphoric acid, pentasodium salt;	UN #:	N/A
Chemical Formula:	Na ₅ P ₃ O ₁₀	Packaging Group:	N/A
Molecular Weight:	367.86	EMERGENCY CALL <u>+86-22-23528561</u>	
Chemical Family:	Alkaline salt. (Salt.)		
Supplier Information:	Tianjin BRG Products Co., Ltd. Address: Kangning Tower B, Xikang Ave., Heping Dist., Tianjin, 300070 Tel #: +86-22-23528561 Fax #: +86-22-23523959 Website: www.brgproduct.com		

Section 2. Hazards Identification	
2.1 - Classification of substance or mixture GHS-US Classification Skin corrosion/irritation - Cat 2 Serious eye irritation - Cat 2 Toxix to aquatic life - long effect - Cat 2	
2.2 Label Elements	
Pictogram	
Signal word:	Warning
Hazard statements	H315 - Causes skin irritation. H319 - Causes serious eye irritation. H335 - May cause respiratory irritation
Precautionary statements	Prevention.P264 - Wash thoroughly after handling. P280 - Wear protective gloves/protective clothing/eye protection/face protection. P302+P352 -IF ON SKIN: Wash with plenty of soap and water. 305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes.Remove contact lenses, if present and easy to do.Continue rinsing. P501: Dispose of contents/container in accordance with local/regional/national/international regulation .
Continued to Next Page	

Section 3. Composition and Information on Ingredients

Ingredients Name	CAS Number	TWA(mg/m ³)	CEIL(mg/m ³)	% By Weight or Volume
Sodium tripolyphosphate	7758-29-4	5		100

Section 4. First Aid Measures

Eye Contact:	Rinse eyes for at least 15 minutes under running water with eyelids wide open. Remove contacts lenses if present and easy to do.
Skin Contact:	Wash affected areas thoroughly with soap and water. Remove contaminated clothing.
Inhalation:	If difficulties occur after vapors/ aerosol has been inhaled, move to fresh air.
Ingestion:	Rinse mouth and then drink plenty of water. DO NOT induce vomiting. Contact a doctor.

Section 5. Fire and Explosion Data

Flammability of the Product:	Non-flammable
Auto-Ignition Temperature:	Not applicable
Flash Points:	Not applicable
Flammable Limits:	Not applicable
Extinguishing Media:	Water, Carbon Dioxide, Alcohol Foam or Dry Chemical
Firefighter Information:	Fire fighters should be equipped standard personal protection equipment and turn out gear.
Special Remarks on Fire Hazards	Emits highly toxic fumes in fire conditions. May melt with loss of steam.
Special Remarks on Explosion Hazards	Not available.

Section 6. Accidental Release Measures

Personal Precautions	Ventilate enclosed areas. Do not touch damaged containers or spilled materials unless wearing protective clothing. Wash after handling.
Environmental Precautions	Do not discharge into drains/ surface water/ ground water / sewers.
Methods for Cleaning-up	<p>Small Spill: With a clean shovel put the spilled solid in a clean, dry waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements. If liquid, take up with sand or other non-combustible, absorbent material.</p> <p>Large Spill: Do not touch or walk through spilled material. Stop leak if without risk. Prevent dispersion of dust. Dike if necessary. Cover powder spill with plastic sheet or tarp to minimize spreading. Prevent entry into waterways, sewers, basements, or confined areas, and into surface water. Call fire department immediately. Notify appropriate government, occupational health and safety and environmental authorities.</p>

Section 7. Handling and Storage

Precautions:	Avoid prolonged contact with eyes and skin. Do not ingest. Do not breathe dust. In case of insufficient ventilation, wear suitable respiratory equipment .If ingested, seek medical advice immediately and show the container or the label.
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Storage:	Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances. Store away from moisture.
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Section 8. Exposure Controls/Personal Protection

Engineering Controls:	Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit. Eye wash and safety shower are necessary.
Personal Protection:	Splash goggles. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.
Personal Protection in Case of a Large Spill:	Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.
Exposure Limits:	TWA: 5 mg/m ³ from OSHA (TLV) [United States]

Section 9. Physical and Chemical Properties

Physical state and appearance:	Solid.
Odor:	Odorless.
Taste:	Alkaline. (Slight.)
Color:	White
Molecular Weight:	367.86 g/mole
pH (1% soln/water):	9.7-9.8 [Basic.]
Boiling Point:	Decomposes.
Melting Point:	622°C (1151.6°F)
Critical Temperature:	Not available.
Vapor Pressure:	Not available.
Dispersion Properties:	See solubility in water.
Solubility:	20 g/100 ml of water at 25°C. 86.5 g/100 ml of water at 100°C. Very slightly soluble in methanol. Insoluble in diethyl ether, n-octanol.

Section 10. Stability and Reactivity Data

Stability:	The product is stable.
Instability Temperature:	Not available.
Conditions of Instability:	Exposure to air, excess heat, exposure to moist air and water.
Incompatibility with various substances	Reactive with oxidizing agents, acids. Slightly reactive to reactive with organic materials, metals.
Corrosivity:	Corrosive in presence of copper. Slightly corrosive to corrosive in presence of steel, of aluminum, of zinc. Non-corrosive in presence of glass.
Special Remarks on Reactivity	Not available.
Special Remarks on Corrosivity	Not available.
Polymerization	Will not occur

Section 11. Toxicological Information

Routes of Entry:	Eye contact. Inhalation. Ingestion. Skin.
Toxicity to Animals:	Acute oral toxicity (LD50): 2000 mg/kg [Rat]; LC50: >1850 mg/l [Fish] Ser. Irr.: 4640 mg/kg [Rabbit];
Chronic Effects on Humans:	The substance is toxic to lungs.
Other Toxic Effects on Humans:	Hazardous in case of skin contact (irritant, sensitizer, permeator), ingestion, and inhalation. May cause eye irritation May be harmful if absorbed through the skin, inhaled, or swallowed. Irritating to mucous membranes and upper respiratory tract.
Special Remarks on Toxicity to Animals:	Not available.
Special Remarks on Chronic Effects on Humans:	Not available.
Special Remarks on other Toxic Effects on Humans:	Not available.


Section 12. Ecological Information

Ecotoxicity:	Not available.
BOD5 and COD:	Not available.
Persistence and Degradability:	Not available.
Boiaccumulative Potential:	Not available.
Mobility in Soil:	LogKoc=2.15
Other Adverse Effects	No information available









Section 13. Disposal Considerations

Waste Disposal:	Dispose of in accordance with national, state and local regulations. Avoid release to environment. If this product becomes a waste it could meet the criteria of a hazardous waste as defined by the Resource Conservation Recovery Act (RCRA) 40 CFR 261. Before disposal, it should be determined if the waste meets the criteria of a hazardous waste. Consult local, state, federal regulations for specific requirements. Harmful to aquatic life. Do not contaminate domestic or irrigation water supplies or bodies of water.
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Section 14. Transport Information

DOT Classification:	Not a DOT controlled material (United States).
Identification	Not applicable.
Special Provisions for Transport	Not applicable.
DOT (Pictograms)	

Section 15. Regulatory Information

Other Regulations:	OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances. DSL: This product is on the Domestic Substances List of Canada. SARA Section 311 and 312: The product is to be reported under the Immediate (Acute) Health Hazard									
Other Classifications:	WHMIS (Canada) CLASS	D-2A: Material causing other toxic effects (VERY TOXIC).								
	DSCL (EEC)	R 36/37/38- Irritating to eyes, respiratory system and skin.								
HMIS (U.S.A.):	<table border="1"> <tr> <td>Health Hazard</td> <td>2</td> </tr> <tr> <td>Fire Hazard</td> <td>0</td> </tr> <tr> <td>Reactivity</td> <td>0</td> </tr> <tr> <td>Personal Protection</td> <td>E</td> </tr> </table>	Health Hazard	2	Fire Hazard	0	Reactivity	0	Personal Protection	E	National Fire Protection Association (U.S.A.) Health  Flammability Reactivity Specific hazard
Health Hazard	2									
Fire Hazard	0									
Reactivity	0									
Personal Protection	E									
WHMIS (Canada)(Pictograms):										
DSCL (Europe)(Pictograms):										
ADR (Europe)(Pictograms):										
Protective Equipment:	 Gloves.									
	 Synthetic apron.									
	 Vapor and dust respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate.									
	 Splash goggles.									

Continued to Next Page

Section 16. Other Information

Prepared By	<i>Jack Lee, 2016-5-7</i>
Notice to Reader	All chemicals may pose unknown hazards and should be used with caution. This Safety Data Sheet (SDS) applies only to the material as packaged. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this SDS. It shall be the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this SDS is based on technical data judged to be reliable, Tianjin BRG Products Co., Ltd., assumes no responsibility for the completeness or accuracy of the information contained herein.

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