

**Section 1: Product & Company Information**

**Product Identifier:** Sodium Tripolyphosphate

**Other Means of Identification**

*Product Number: No data available.*

**Recommended Use and Restrictions on Use**

*Recommended Use: No data available*

*Restrictions on Use: No data available*

**Manufacturer / Importer / Supplier / Distributor Information**

**Company Name:** CORECHEM Inc.

**Address:** 4320 Greenway Drive  
Knoxville, TN 37918  
USA

**Information Telephone Number:** 1-865-524-4239

**Fax Number:** 1-865-524-3375

**Website:** www.corecheminc.com

**Contact Person:** Regulatory Manager

**E-mail:** regulatory@corecheminc.com

**Emergency Phone Number:** Chemtrec® 1-800-424-9300 / Outside USA 1-703-527-3887 (monitored 24 hours/day)

**Section 2: Hazards Identification**

**GHS Hazard Classification(s)**

*Not classified as hazardous according to OSHA Hazard Communication Standard 29 CFR 1910.1200 (HazCom 2012).*

**Physical Hazard(s)**

*Not classified.*

**Health Hazard(s)**

*Not classified.*

**Environmental Hazard(s)**

*Not classified.*

**Label Elements**

**Signal Word**

*No signal word*

**Hazard Symbol(s)**

*No symbol*

**Hazard Statement(s)**

*Not applicable.*

**Precautionary Statements**

**General**

*Not applicable.*

**Prevention**

*Not applicable.*

**Response**

*Not applicable.*

**Storage**

*Not applicable.*

**Disposal**

*Not applicable.*

**Hazard(s) not otherwise classified (HNOC)**

*None known.*

**Section 3: Composition/Information on Ingredients**

**Substance**

Chemical Identity <sup>2</sup>	Common Name/Synonym(s)	CAS # <sup>3</sup>	Weight %	Impurity or Stabilizing Additive
Sodium Tripolyphosphate	STPP, Pentasodium Tripolyphosphate, Pentasodium triphosphate	7758-29-4	100%	None

1. Information regarding the composition and the percent ranges of the mixtures ingredients are not presented as it Confidential Business Information (CBI). Where a medical emergency exists (as determined by medical professional), timely disclosure of CBI is assured. The information omitted pertains to only the names of the substances and the concentration in the mixture (product) and can only be requested by a doctor/physician or Local/State/Provincial or Federal Authority.
2. Non-hazardous ingredients are not presented as to protect the proprietary formula of the product.
3. "—" Indicates ingredient is a mixture and contains multiple ingredients or may have no identifying CAS number.

## Section 4: First-Aid Measures

### General Information

Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves. In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Wash contaminated clothing before reuse.

### Inhalation

Remove from exposure to fresh air immediately. If not breathing give artificial respiration. If breathing is difficult give oxygen. Get medical attention.

### Skin Contact

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

### Eye Contact

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

### Ingestion

Never give anything by mouth to an unconscious person. Get medical attention. Do not induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupful's of milk or water.

### Most important symptoms/effects, acute and delayed

#### Symptoms

No data available.

### Indication of immediate medical attention and special treatment needed

#### Hazards

No data available.

#### Treatment

Provide general supportive measures and treat symptomatically. In case of shortness of breath, give oxygen. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

## Section 5: Fire-Fighting Measures

### General Fire Hazards

No data available.

### Suitable (and Unsuitable) Extinguishing Media

#### Suitable Extinguishing Media

Use agent most appropriate to fight fire. Use water spray, dry chemical, carbon dioxide, or other appropriate foam.

#### Unsuitable Extinguishing Media

No data available.

### Specific Hazards Arising from the Chemical

None

### Special Protective Equipment and Precautions for Firefighters

#### Special Fire-Fighting Equipment Procedures

Do not release runoff from fire control methods to sewers or waterways.

#### Special Protective Equipment for Fire-Fighters

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

### Personal Precautions, Protective Equipment and Emergency Procedures

Evacuate spill area. Isolate hazard area and deny entry to unnecessary or unprotected personnel. Stay upwind and keep out of low area. Remove all possible sources of ignition in the surrounding area. Wear appropriate personal protective equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. See Section 8 of the SDS for Personal Protective Equipment. Ventilate contaminated area thoroughly shut off leaks if possible without personal risk.

### Methods and Materials for Containment and Clean-Up

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: for large spills dike ahead of the spill for later disposal. Do not release into sewers or waterways. Follow all applicable OSHA regulations (29 CFR 1910.120)

### Notification Procedures

Notify authorities if any exposure to the general public or environment occurs or is likely to occur. Local authorities should be advised if significant spillages cannot be contained.

### Environmental Precautions

Dike for later disposal. Prevent entry into waterways, sewer, basements or confined areas. Stop the flow of material, if this is without risk. Inform authorities if large amounts are involved.

## Section 7: Handling and Storage

### Precautions for Safe Handling

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

### Conditions for Safe Storage, including any Incompatibilities

Store in a tightly closed container. Store in a cool, dry, well ventilated area away from any incompatible materials. Store protected from moisture.

## Section 8: Exposure Controls/Personal Protection

### Control Parameters

The product does not contain any relevant quantities of hazardous materials with critical values that have to be monitored in the workplace.

The product does not contain any relevant quantities of hazardous materials with assigned biological limit values.

### Appropriate 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.

**Respiratory Protection:** Seek professional advice prior to respirator selection and use. Follow OSHA respirator regulations (29 CFR 1910.134 ) and if necessary, wear a NIOSH approved respirator. Select respirator based on its suitability to provide adequate worker protection for given working conditions, level of airborne contamination, and the 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.

### Individual protection measures, such as personal protective equipment (PPE)

#### General Information

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower must be available when handling this product.

#### Eye/Face Protection

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.

#### Skin Protection

##### Hand Protection

Wear appropriate chemical resistant gloves.

##### Other

Wear appropriate chemical resistant clothing.

#### Respiratory Protection

If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. Air-purifying respirator with an appropriate, government approved (where applicable), air-purifying filter, cartridge or canister. Contact health and safety professional or manufacturer for specific information

#### Hygiene Measures

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 apply cosmetics.

## Section 9: Physical and Chemical Properties

### Appearance:

**Physical State:** Solid (Hygroscopic)  
**Color:** White granules, powder

### Odor:

Odorless

### Odor Threshold:

No data available.

### pH:

(1% solution) 10

### Melting Point/Freezing Point:

622°C

### Initial Boiling Point and Boiling Range:

No data available.

### Flash Point:

Not applicable.

### Evaporation Rate (butyl acetate=1):

No data available.

### Flammability (solid, gas):

No data available.

### Upper/Lower Limit on Flammability or Explosive Limits

**Flammability Limit – Upper:** Not applicable.

**Flammability Limit – Lower:** Not applicable.

**Explosive Limit – Upper:** Not applicable.

**Explosive Limit – Lower:** Not applicable.

### Vapor Pressure:

Not applicable.

### Vapor Density (air =1):

No data available.

### Relative Density (water=1):

0.5 -1.2 G/ML

### Solubility(ies):

**Solubility in water:** 20% @ 25 °C

*Solubility (other):* No data available.  
**Partition coefficient (n-octanol/water):** No data available.  
**Auto-Ignition Temperature:** No data available.  
**Decomposition Temperature:** 622°C / °F  
**Viscosity:** No data available.

**Other Information:**

*Molecular Weight:* 367.86  
*Formula:* Na<sub>3</sub>P<sub>3</sub>O<sub>10</sub>

## Section 10: Stability and Reactivity

**Reactivity**

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

**Chemical Stability**

*Material is stable under normal conditions.*

**Possibility of Hazardous Reactions**

*Hazardous polymerization does not occur.*

**Conditions to Avoid**

*Heat, sparks, flames. Moisture. Contact with incompatible materials.*

**Incompatible Materials**

*No data available.*

**Hazardous Decomposition Products**

*Thermal Oxidative decomposition of sodium Tripolyphosphate can produce oxides of phosphorous, irritating and toxic fumes and gases, toxic fumes of sodium oxides.*

## Section 11: Toxicological Information

**Information on routes of exposure**

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

**Inhalation:** *Causes respiratory tract irritation.*

**Skin Contact:** *Causes skin irritation*

**Eye Contact:** *Causes eye irritation*

**Information on Toxicological Effects**

**Acute Toxicity (List all possible routes of exposure)**

**Oral**

*Sodium Tripolyphosphate: LD50: (Rat) 3900 mg/kg*

**Dermal**

*No information available*

**Inhalation**

*No data available*

**Repeated Dose Toxicity**

*No information available*

**Skin Corrosion/Irritation**

*Causes skin irritation*

**Serious Eye Damage/Eye Irritation**

*Causes eye irritation*

**Respiratory/Skin Sensitization**

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

**Carcinogenicity**

**IARC Monographs on the Evaluation of Carcinogenic Risks to Humans**

*No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.*

**US. National Toxicology Program (NTP) Report on Carcinogens**

*No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.*

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)**

*No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.*

**Germ Cell Mutagenicity**

**In Vitro**

*No mutagenic components identified.*

**In Vivo**

*No mutagenic components identified.*

**Reproductive Toxicity**

None known.

**Specific Target Organ Toxicity – Single Exposure**

None known.

**Specific Target Organ Toxicity – Repeated Exposure**

None known.

**Aspiration Hazard**

Not classified.

**Other Effects**

None known.

## Section 12: Ecological Information

**Ecotoxicity**

**Acute Hazards to the Aquatic Environment**

**Fish**

No data available.

**Aquatic Invertebrates**

No data available.

**Toxicity to Aquatic Plants**

No data available.

**Chronic Hazards to the Aquatic Environment**

**Fish**

No data available.

**Aquatic Invertebrates**

No data available.

**Toxicity to Aquatic Plants**

No data available.

**Persistence and Degradability**

**Biodegradation**

There are no data on the degradability of this product.

**BOD/COD Ratio**

No data available.

**Bioaccumulative Potential**

**Bioconcentration Factor (BCF)**

No data available on bioaccumulation.

**Partition Coefficient n-octanol / water (log Kow)**

No data available.

**Mobility in Soil**

The product is water soluble and may spread in water systems.

**Other Adverse Effects**

No data available.

## Section 13: Disposal Considerations

**Disposal Instructions**

Contact Your supplier or a licensed contractor for detailed recommendations. Follow applicable Federal state and local regulations.

**Contaminated Packaging**

Handle contaminated packages in the same way as the substance itself. Emptied containers may retain hazardous residue and explosive vapors. Keep away from heat, sparks, and flames. Do not cut, puncture, or weld on or near this container. Follow label warnings until container is thoroughly cleaned or destroyed.

## Section 14: Transportation Information

**US Department of Transportation (DOT)**

This material is not regulated as a hazardous material for transport by the U.S. Department of Transportation in accordance with 49 CFR 172.101.

Important Note: Shipping descriptions may vary based on mode of transport, quantities, package size, and/or origin and destination. Consult your company's Hazardous Materials/Dangerous Goods expert for information specific to your situation.

## Section 15: Regulatory Information

**US Federal Regulations**

Toxic Substance Control Act (TSCA), Chemical Substance Inventory, Section 8(b)

*This product or ingredient(s) are listed on the TSCA inventory. Any impurities present in this product are exempt from listing.*

**Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Hazardous Substance List (40 CFR 302.4)**

*No chemical(s) in this material are subject to the reporting requirements of CERCLA.*

**Clean Air Act (CAA), Section 112(r)**

*No chemical(s) in this material are subject to the reporting requirements of CAA.*

**Emergency Planning and Community Right-To-Know Act (EPCRA)**

**EPCRA 302 Extremely Hazardous Substance**

*No chemical(s) in this material are subject to the reporting requirements of SARA Title III, Section 302.*

**EPCRA 304 Emergency Response Notification**

*No chemical(s) in this material are subject to the reporting requirements of SARA Title III, Section 304.*

**EPCRA 311/312 Emergency and Hazardous Materials Reporting**

*Fire Hazard: No*

*Sudden Release of Pressure: No*

*Reactive: No*

*Acute (Immediate) Health Hazard: No*

*Chronic (Delayed) Health Hazard: No*

**EPCRA 313 Toxic Chemical Release Inventory (TRI) Reporting**

*This material does not contain any chemical(s) with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.*

**US State Regulations**

**California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65)**

*This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.*

*Important Note: Due to the changing nature of regulatory requirements, the information in this document should NOT be considered all-inclusive or authoritative. Users should make their own investigations to determine the suitability of the information for their particular purposes. International, Federal, State and Local regulations should be consulted to determine compliance with all required reporting requirements.*

**Section 16: Other Information**

**Hazardous Materials Identification System (HMIS®) Classification**

**Health Hazard: 0**

**Chronic Health Hazard: / \***

**Flammability: 0**

**Physical Hazard: 0**

*(Hazard Rating: 0 – Minimal / 1 – Slight / 2 – Moderate / 3 – Serious / 4 – Severe)*

**National Fire Protection Association (NFPA 704) Rating**

**Health Hazard: 0**

**Fire Hazard: 0**

**Reactivity Hazard: 0**

**Special: N/A W OX COR POI**

*(Hazard Rating: 0 – Minimal / 1 – Slight / 2 – Moderate / 3 – Serious / 4 – Severe)*

*Prepared By: Regulatory Manager*

*Version #: 001*

*Issue Date: 6/6/2018*

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*Revisions: -*

**Key to Abbreviations and Acronyms**

ATE - Acute Toxicity Estimate

BCF - Bioconcentration Factor

EC50 - Effective concentration, 50%

IDHL - Immediately Dangerous to Life and Health

Kg - Kilogram

l - Liter

lb - Pound

LC50 - Lethal Concentration, 50%

LD50 - Lethal Dose, 50%

mg - milligram

ml - milliliter

N/A - Not Applicable

N/D - Not Determined

PEL - Permissible Exposure Limit

REL - Recommended Exposure Limit

STEL - Short-term Exposure Limit

TWA - Time weighted average

ACGIH - American Conference of Industrial Hygienists

AIHA - American Industrial Hygiene Association

BEI - Biological Exposure Indices

CAS - Chemical Abstracts Service

DOT - US Department of Transportation

EPA - US Environmental Protection Agency

GHS - Globally Harmonized System of Classification and Labelling of Chemicals

IARC - International Agency for Research on Cancer

IATA - International Air Transport Association

IBC - Intermediate Bulk Container

IMDG - International Maritime Dangerous Goods

NIOSH - National Institute for Occupational Safety and Health

NTP - National Toxicology Program

OSHA - US Occupational Health and Safety Administration

SARA - US EPA Superfund Amendments and Reauthorization Act

TSCA - US EPA Toxic Substances Control Act

UN - United Nations

**References**

HSDB® - Hazardous Substances Data Bank

## Disclaimer

*The information in this SDS was obtained from sources which we believe are reliable. HOWEVER, THE INFORMATION IS PROVIDED WITHOUT ANY WARRANTY, EXPRESS OR IMPLIED, REGARDING ITS CORRECTNESS. The conditions or methods of handling, storage, use, and disposal of the product are beyond our control and may be beyond our knowledge. FOR THIS AND OTHER REASONS, WE DO NOT ASSUME RESPONSIBILITY AND EXPRESSLY DISCLAIM LIABILITY FOR LOSS, DAMAGE OR EXPENSE ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE HANDLING, STORAGE, USE OR DISPOSAL OF THE PRODUCT. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.*