


# Safety Data Sheet

Section 1. Identification		
<b>Product Identifier</b>	<b>Trisodium Phosphate</b>	<b>Version: 4</b> <b>Effective Date: 21 February, 2016</b>
<b>Other Means Of Identification</b>	Sodium phosphate tribasic, TSP	
<b>Initial Supplier Identifier</b>	Chemfax Products Ltd. 11444 – 42 Street SE Calgary, AB T2C 5C4 Tel: 403-287-2055	
<b>Recommended Use and Restrictions On Use</b>	Degreaser / cleaner. No restrictions.	
<b>Product Family</b>	Inorganic base	
<b>24 Hour Emergency</b>	Canutec (613) 996-6666	

Section 2. Hazard Identification	
<b>Hazard Classification</b>	
<b>Health Hazards</b>	Skin Corrosion/Irritation – Category 2 Eye Damage/Irritation – Category 2A
<b>Signal Word</b>	Warning
<b>Hazard Statement</b>	Causes skin irritation. Causes serious eye irritation.
<b>Precautionary Prevention Statement</b>	Wash hands thoroughly after handling. Wear protective gloves, eye and face protection.
<b>Precautionary Response Statement</b>	IF ON SKIN: Wash with plenty water. Specific Treatment: do not induce vomiting unless directed by medical personnel. If skin irritation occurs: Get medical attention. Take off contaminated clothing and wash it before reuse. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses. If present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.
<b>Precautionary Storage Statement</b>	No statement

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<b>Precautionary Disposal Statement</b>	No statement
<b>Other Hazards</b>	None

## Section 3. Composition / Information on Ingredients

Chemical Name	Common Name or Synonyms	CAS NO. and Other Unique Identifiers	% by weight
Trisodium phosphate dodecahydrate	Sodium phosphate tribasic	10101-89-0	95-100

## Section 4. First-Aid Measures

<b>Eye Contact</b>	Flush eyes with water for 15 minutes. Seek medical attention.
<b>Skin Contact</b>	Flush area with water. If irritation persists seek medical attention. Launder clothing before reuse.
<b>Inhalation</b>	Remove victim to fresh air. If there is difficulty breathing, seek immediate medical attention.
<b>Ingestion</b>	Remove victim to fresh air. If there is difficulty breathing, seek immediate medical attention.
<b>Most Important Symptoms and Effects Both Acute and Delayed</b>	Skin and eye irritation
<b>Immediate Medical Attention and Special Treatment</b>	Treatment based on sound judgement of physician and individual reactions of the patient.

## Section 5. Fire-Fighting Measures

<b>Suitable and Unsuitable Extinguishing Media</b>	Use extinguishing media suitable for surrounding fire.
<b>Hazardous Combustion Products</b>	Oxides of sodium and phosphorus.
<b>Specific Hazards Arising From the Product</b>	None known
<b>Special Protective Equipment and Precautions For Fire-Fighters</b>	Fire-fighters should wear self contained breathing apparatus and full protective clothing. Use water spray to cool containers and structures exposed to fire.



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Section 6. Accidental Release Measures	
<b>Personal Precautions, Protective Equipment and Emergency Procedures</b>	Gloves, coveralls, chemical resistant footwear, safety glasses. Secure area. Avoid generation of dust.
<b>Environmental Precautions</b>	Do not allow spilt material to enter sewers and surface watercourses.
<b>Methods and Materials For Containment and Clean-Up</b>	Sweep up spilt material into a container suitable for disposal. Wash area with water to remove trace materials.

Section 7. Handling and Storage	
<b>Precautions For Safe Handling</b>	Handle with care, irritant.
<b>Conditions For Safe Storage</b>	Store in a cool dry place. Keep containers closed when not in use.

Section 8. Exposure Controls / Personal Protection				
<b>Control Parameters</b>	<b>TWA: 8 Hr</b>	<b>STEL: 15 min</b>	<b>Ceiling</b>	<b>IDLH *</b>
Trisodium phosphate	Not established.			
	* Immediately Dangerous to Life and Health			
<b>Exposure Controls</b>	Local exhaust ventilation			
<b>Appropriate Engineering Controls</b>	Provide adequate ventilation. Ensure eye wash station is available.			
<b>Individual Protective Measures</b>				
<b>Eye / Face Protection</b>	Safety glasses.			
<b>Skin Protection</b>	Chemical resistant coveralls, gloves.			
<b>Respiratory Protection</b>	Air purifying respirator fitted with HEPA filters should be worn if exposure limits are exceeded.			

Section 9. Physical and Chemical Properties	
<b>Appearance</b>	White powder
<b>Odour</b>	No odour.
<b>Odour Threshold</b>	No data.
<b>pH</b>	13 - 14 (10% solution)
<b>Flash Point</b>	Not applicable
<b>Boiling Point and Boiling Range</b>	No data



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<b>Melting Point and Freezing Point</b>	75 °C
<b>Evaporation Rate</b>	Not applicable
<b>Flammability (solid, gas)</b>	Not flammable
<b>Upper and Lower Flammability or Explosive Limits</b>	No data
<b>Vapour Pressure</b>	Not applicable
<b>Vapour Density</b>	Not applicable
<b>Relative Density</b>	1.62
<b>Solubility</b>	Soluble
<b>Partition co-efficient, n-Octanol/Water</b>	No data
<b>Auto-ignition Temperature</b>	Not applicable
<b>Decomposition Temperature</b>	75 °C
<b>Viscosity</b>	No data

### Section 10. Stability and Reactivity

<b>Reactivity</b>	Stable
<b>Chemical Stability</b>	Stable.
<b>Possibility of Hazardous Reactions</b>	Will not occur
<b>Conditions to Avoid</b>	None known.
<b>Incompatible Materials</b>	Magnesium metal. Strong acids.
<b>Hazardous Decomposition Products</b>	Not expected to decompose under normal conditions of use.

### Section 11. Toxicological Information

<b>Component Toxicity</b>	<b>LD50 Oral</b>	<b>LD50 Dermal</b>	<b>LC50 Inhalation</b>
Trisodium phosphate	7.4g/kg (Rabbit)		
<b>Likely Routes of Exposure</b>			
<b>Skin:</b>	May cause severe irritation.		
<b>Eyes:</b>	May cause severe irritation and mild burns to the cornea. Can cause permanent damage to the cornea.		
<b>Inhalation:</b>	Inhalation of aerosols may cause irritation of the upper respiratory tract.		
<b>Ingestion:</b>	May cause irritation or mild burns to the mouth, throat and stomach. Aspiration in to the lungs may occur during ingestion or vomiting, resulting in lung injury.		



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<b>Acute Toxicity Estimates (ATE)</b>	No data
<b>STOT (Specific Target Organ Toxicity) – Single Exposure</b>	Not classified
<b>Aspiration Toxicity</b>	Not classified
<b>STOT (Specific Target Organ Toxicity) – Repeated Exposure</b>	Not classified
<b>Skin Corrosion / Irritation</b>	Irritant
<b>Serious Eye Damage / Irritation</b>	Irritant
<b>Respiratory or Skin Sensitization</b>	Not classified
<b>Carcinogenicity</b>	Not listed.
<b>Reproductive Toxicity</b>	
- Sexual Function and Fertility	Not classified
- Development of Offspring	Not classified
- Effects on or via Lactation	Not classified
<b>Germ Cell Mutagenicity</b>	Not classified
<b>Interactive Effects</b>	None known
<b>Other information</b>	None known

<b>Section 12. Ecological Information</b>	
<b>Ecotoxicity</b>	Trisodium phosphate dodecahydrate EC50: 151 mg/L/96 hr (Mosquito fish)
<b>Persistence and Degradability</b>	Will not persist
<b>Bioaccumulative Potential</b>	No data
<b>Biodegradability</b>	No data
<b>Mobility in Soil</b>	Not available
<b>Other Adverse Effects</b>	None known

<b>Section 13. Disposal Considerations</b>	
<b>Disposal Considerations</b>	Dispose of contents / container in accordance with local regulations.

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Section 14. Transport Information	
<b>UN Number</b>	Not applicable
<b>UN Proper Shipping Name</b>	Not applicable
<b>Transport Hazard Class(es)</b>	Not applicable
<b>Packaging Group</b>	Not applicable
<b>Environmental Hazards</b>	Not applicable
<b>Bulk Transport</b>	Not applicable
<b>Special Precaution</b>	Not applicable
<b>DOT Erg#</b>	Not applicable

Section 15. Regulatory Information	
<b>Canada – DSL Inventory</b>	All components of this product are either on the Domestic Substances List (DSL) or Non-Domestic Substances List (NDSL) or exempt
<b>TSCA</b>	All components of this product are either on the Toxic Substances Control Act (TSCA) Inventory List or exempt
<b>Additional Information</b>	None

Section 16. Other Information	
<b>NFPA Rating</b>	Health-2/ Flammability-0/Reactivity-1/Special Hazard-Not applicable
<b>HMIS Rating</b>	Health-2/Flammability-0/Reactivity-1/Personal Protection-See Section 8.
<b>Prepared by:</b>	Chemfax Products Ltd., Technical Department
<b>Date Prepared:</b>	03 November, 2011
<b>Date of Latest Revision:</b>	21 February, 2016
<b>Disclaimer</b>	
Notice to reader	
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