


Safety Data Sheet

Section 1. Identification		
Product Identifier	Trisodium Phosphate	Version: 5 Effective Date: 25 January 2021
Other Means Of Identification	Sodium phosphate tribasic, TSP	
Initial Supplier Identifier	Chemfax Products Ltd. 11444 – 42 Street SE Calgary, AB T2C 5C4 Tel: 403-287-2055	
Recommended Use and Restrictions On Use	Degreaser/cleaner. No restrictions.	
Product Family	Inorganic base	
Emergency Phone	1-855-887-2055 Monday - Friday 8:00am - 4:30pm MST	

Section 2. Hazard Identification	
Hazard Classification	
Health Hazards	Skin Corrosion/Irritation – Category 2 Eye Damage/Irritation – Category 2A
Signal Word	Warning
Hazard Statement	Causes skin irritation. Causes serious eye irritation.
Precautionary Prevention Statement	Wash hands thoroughly after handling. Wear protective gloves, eye and face protection.
Precautionary Response Statement	IF ON SKIN: Wash with plenty water. Specific Treatment: Do not induce vomiting unless directed by medical personnel. If skin irritation occurs: Seek medical attention. Remove all 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, seek medical attention.
Precautionary Storage Statement	No statement

Safety Data Sheet

Precautionary Disposal Statement	No statement
Other Hazards	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

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

Section 5. Fire-Fighting Measures

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

Safety Data Sheet

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

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

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

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



Manufacturer of Specialty Chemicals

Safety Data Sheet

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

Section 10. Stability and Reactivity

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

Section 11. Toxicological Information

Component Toxicity	LD50 Oral	LD50 Dermal	LC50 Inhalation
Trisodium phosphate	7.4g/kg (Rabbit)		
Likely Routes of Exposure			
Skin:	May cause severe irritation.		
Eyes:	May cause severe irritation and mild burns to the cornea. Can cause permanent damage to the cornea.		
Inhalation:	Inhalation of aerosols may cause irritation of the upper respiratory tract.		
Ingestion:	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.		



Safety Data Sheet

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

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

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

Safety Data Sheet

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

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

Section 16. Other Information	
NFPA Rating	Health-2/ Flammability-0/Reactivity-1/Special Hazard-Not applicable
HMIS Rating	Health-2/Flammability-0/Reactivity-1/Personal Protection-See Section 8.
Prepared by:	Chemfax Products Ltd., Technical Department
Date Prepared:	03 November, 2011
Date of Latest Revision:	25 January 2021
<p>Disclaimer Notice to reader</p> <p>To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.</p> <p>Chemfax Products Ltd. expressly disclaims all expressed or implied warranties of merchantability and fitness for a particular purpose with respect to the product provided.</p>	