







Material Safety Data Sheet

WHMIS (Pictograms)	WHMIS (Classification)	Protective Clothing
	CLASS E: Corrosive solid.	  

Section 1. Product and Company Identification

Product Name / Trade name	Trisodium phosphate	Associated Product's Item Code	12-117EXP
Synonym	Trisodium phosphate dodecahydrate, TSP	CAS #	10101-89-0
Chemical Family	Phosphate salt.	DSL	CEPA DSL: Trisodium phosphate
Chemical Formula	NA ₃ PO ₄ ·12H ₂ O	Validation Date	31/05/2001.
Manufacturer	Recochem Inc. 850 Montee de Liesse Montreal, Quebec 514-341-3550	Print Date	28/06/2001.
Material Uses	Consumer products: Cleaning compound.	In Case of Emergency	Recochem Inc. Communications and Regulatory Affairs Department (905) 791-1788

Section 2. Hazardous Ingredients

Name	CAS #	% by Weight	Exposure Limits	
			Canadian Values (ACGIH)	U.S. Values (OSHA)
1) Trisodium phosphate	10101-89-0	100	TWA: 10 mg/m ³ from ACGIH (Canada, 1999). Period: 8 hour(s).	¹⁾ TWA: 10 mg/m ³ from OSHA (United States, 1999). Period: 8 hour(s). <small>Trisodium phosphate</small>

Section 3. Emergency Overview

Hazard Overview	CAUTION CORROSIVE. MAY CAUSE EYE IRRITATION. MAY CAUSE SKIN IRRITATION. Do not get in eyes, on skin or on clothing. DO NOT ingest. Do not breathe dust. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling.
Potential Acute Health Effects	Very dangerous in case of skin contact (corrosive, irritant), of eye contact (corrosive, irritant), of ingestion. The amount of tissue damage depends on length of contact. Eye contact can result in corneal damage or blindness. Inflammation of the eye is characterized by redness, watering, and itching. Skin contact can produce inflammation and blistering. Skin inflammation is characterized by itching, scaling, reddening or occasionally, blistering. Dust may cause irritation to upper respiratory tract.
Note to Physician	Not available.

Section 4. First Aid Measures

Eye Contact	Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. COLD water may be used. Get medical attention immediately.
Skin Contact	In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. If irritation persists, seek medical attention.
Inhalation	Allow the victim to rest in a well ventilated area. If irritation persists, seek medical attention.
Ingestion	DO NOT induce vomiting. Have conscious person drink several glasses of water or milk. If irritation persists, seek medical attention.

Section 5. Fire Fighting Measures

Products of Combustion	Not applicable.
Fire Fighting Media and Instructions	Not applicable.
Fire Hazards	No additional remark.
Explosion Hazards	No additional remark.



Section 6. Accidental Release Measures

Small Spill and Leak	Use appropriate tools to put the spilled solid in a convenient waste disposal container.
Large Spill and Leak	Corrosive solid. Stop leak if without risk. DO NOT get water inside container. DO NOT touch spilled material. Use water spray to reduce vapors. Prevent entry into sewers, basements or confined areas; dike if needed. Call for assistance on disposal.

Section 7. Handling and Storage

Handling	Corrosive solid. DO NOT ingest. Do not breathe dust. Keep container closed. Wash thoroughly after handling.
Storage	Keep container tightly closed. Keep container in a cool, well-ventilated area.

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.
Personal Protection	
Eyes	Safety glasses.
Body	No special protective clothing is required.
Respiratory	Dust respirator. Wear appropriate respirator when ventilation is inadequate.
Hands	Gloves (impervious).

Section 9. Physical and Chemical Properties

Physical State and Appearance	Granular solid.	Odor	Not available.
Molecular Weight	380.13 g/mole	Taste	Not available.
pH (1% Soln/Water)	11.9 [Basic.]	Color	White.
Boiling/Condensation Point	Not available.	Volatility	Not available.
Melting/Freezing Point	73 to 77°C (163.4 to 170.6°F)	Evaporation Rate	Not available.
Specific Gravity	1.62 (Water = 1)	Odor Threshold	Not available.
Vapor Pressure	Not available.	Viscosity	Not available.
Vapor Density	Not available.	Solubility	Soluble in cold water. Insoluble in methanol.
VOC Content	Not available.	Other Properties	Not available.
The Product is:	Non-flammable.		
Autoignition Temperature	Not applicable.		
Flash Points	Not applicable.		
Flammable Limits	Not applicable.		
Fire Hazards in Presence of Various Substances	Not applicable.		

Section 10. Stability and Reactivity

Stability	The product is stable.
Conditions of Instability	No additional remark.
Incompatibility with Various Substances	Reactive with metals, acids.

Section 11. Toxicological Information

Routes of Entry	Eye contact. Inhalation. Ingestion.
Toxicity to Animals	Acute oral toxicity (LD50): 7400 mg/kg [Rat].
Acute Effects on Humans	
Eyes	Very hazardous in case of eye contact (irritant, corrosive). Eye contact can result in corneal damage or blindness. Inflammation of the eye is characterized by redness, watering, and itching.
Skin	Very dangerous in case of skin contact (corrosive, irritant). The amount of tissue damage depends on length of contact. Skin contact can produce inflammation and blistering. Skin contact may produce burns.
Inhalation	Inhalation of dust will produce irritation to gastro-intestinal or respiratory tract, characterized by burning, sneezing and coughing. Over-exposure by inhalation may cause respiratory irritation.
Ingestion	Very dangerous in case of ingestion. May cause burns to mouth, throat and stomach.
Chronic Effects on Humans	<p>CARCINOGENIC EFFECTS: Not available.</p> <p>MUTAGENIC EFFECTS: Not available.</p> <p>TERATOGENIC EFFECTS: Not available.</p> <p>DEVELOPMENTAL TOXICITY: Not available.</p> <p>Repeated exposure of the eyes to a low level of dust can produce eye irritation. Repeated skin exposure can produce local skin destruction, or dermatitis. Repeated inhalation of dust can produce varying degree of respiratory irritation or lung damage. Repeated exposure to a highly toxic material may produce general deterioration of health by an accumulation in one or many human organs.</p>



Section 12. Ecological Information

Ecotoxicity	Not available.
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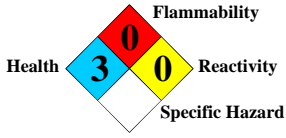
Section 13. Disposal Considerations

Waste Information	Waste must be disposed of in accordance with federal, state and local environmental control regulations.
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Section 14. Transport Information

TDG Classification (Canada)	Class 9.2: Environmentally hazardous material.	
PIN (Canada)	Shipping name: Sodium phosphate, tribasic UNNA: NA 9148 PG: III	
Special Provisions for Transport (Canada)	Regulated Quantity (RQ)= 230 kg (506 lbs) In containers of 230 kg capacity or less this product is exempt from TDG regulations (non regulated).	
IMDG Classification	Not available.	
PIN	Not regulated.	
Marine Pollutant	Not pollutant.	
DOT Classification (U.S.A)	Not regulated.	
PIN	Not available.	
Special Provisions for Transport (U.S.)	Regulated Quantity (RQ)= 5000 lbs (2268 kg)	

Section 15. Other Regulatory Information and Pictograms

WHMIS Classification (Canada)	CLASS E: Corrosive solid.									
HCS Classification (U.S.A.)	CLASS: Corrosive material									
USA Regulatory Lists	TSCA inventory: Trisodium phosphate									
Hazardous Material Information System (U.S.A.)	<table border="1"> <tr> <td>Health</td> <td>3</td> </tr> <tr> <td>Flammability</td> <td>0</td> </tr> <tr> <td>Reactivity</td> <td>0</td> </tr> <tr> <td>Personal Protection</td> <td>E</td> </tr> </table>	Health	3	Flammability	0	Reactivity	0	Personal Protection	E	<p>National Fire Protection Association (U.S.A.)</p>  <p>Health: 3, Flammability: 0, Reactivity: 0, Specific Hazard: 0</p>
Health	3									
Flammability	0									
Reactivity	0									
Personal Protection	E									

**Section 16. Other Information**

Validated and verified by Product Development and Technical Coordinator on 31/05/2001.

Printed 28/06/2001.

Notice to Reader

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.