



MATERIAL SAFETY DATA SHEET
 Electric Steam Generator Corporation
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Page: 1 of 2
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SECTION I – IDENTIFICATION

PRODUCT NAME: Electrolyte		
CHEMICAL NAME & SYNONYMS: Trisodium Phosphate – Crystalline		
CHEMICAL FAMILY: Phosphates	FORMULA: Na ₃ PO ₄	TRADE NAME: TSP-C
DESCRIPTION: White crystalline odorless solid		CASE NO.: 7601-54-9

SECTION II – NORMAL HANDLING PROCEDURES

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Avoid contact with eyes, skin or clothing. Do not take internally. Upon contact with skin or eyes, wash off with water. Avoid breathing dust. Store in a cool dry well-ventilated place. “Wear NIOSH/MSHA approved dust respirator if excessive dusting occurs.	
PROTECTIVE EQUIPMENT:	VENTILATION REQUIREMENTS:
EYES Goggles GLOVES Impervious OTHER See – above	Local mechanical exhaust ventilation recommended minimizing employee exposure.

SECTION III – HAZARDOUS INGREDIENTS

BASIC MATERIAL:	OSHA PEL:	LD50	LC50	SIGNIFICANT EFFECTS
Trisodium phosphate	None Established	4.5 g/kg (rat)	No Data	Skin, eye and mucous membrane irritation.

SECTION IV – FIRE AND EXPLOSION HAZARD DATA

FLASH POINT METHOD: Not applicable	OSHA CLASSIFICATION: Not Regulated (Non-Combustible)	FLAMMABLE EXPLOSIVE LIMIT	LOWER ND	UPPER ND
EXTINGUISHING MEDIA: Non-combustible – Choose extinguishing media suitable for surrounding materials.				
SPECIAL FIRE HAZARD & FIRE FIGHTING PROCEDURES: Use NIOSH/MSHA approved Positive pressure Self-contained breathing apparatus when any material is involved in a fire.				

SECTION V – HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: None established	
SYMPTOMS OF OVER EXPOSURE: Eye, skin and mucous membrane irritation.	
EMERGENCY FIRST-AID PROCEDURES	
SKIN	Flush with water for 15 minutes, call a physician
EYES	Flush with water for 15 minutes, call a physician
INGESTION	Drink large quantities of water. Induce vomiting by sticking finger down throat. Call a physician.
INHALATION	Remove victim to fresh air. Call a physician.

SECTION VI – TOXICOLOGY (PRODUCT)

ACUTE ORAL LD 50 4.5 g/kg (rat) ACUTE DERMAL LD 50: No Data ACUTE INHALATION LC 50: No	CARCINOGENICITY: Not known to be carcinogenic MUTAGENICITY: Not known to be mutageni EYE IRRITATION: Data Irritant PRIMARY SKIN IRRITATION: Irritant
PRINCIPLE ROUTES OF ABSORPTION: Inhalation, dermal.	
EFFECTS OF ACUTE EXPOSURE: Eye, skin and mucous membrane irritation. Nausea.	
EFFECTS OF CHRONIC EXPOSURE: None expected at industrial use levels.	

SECTION VII – SPILL AND LEAKAGE PROCEDURES (CONTROL PROCEDURE)

ACTION FOR MATERIAL RELEASE OR SPILL Wear NIOSH/MSHA approved dust respirator. Follow OSHA regulations for respirator use (see 29 CFR 1910.134) Wear goggles, coveralls, impervious gloves and boots. Shovel or sweep up and place in an approved DOT container and seal. Wash all contaminated clothing before reuse. In the event of a large spill; call the emergency telephone number shown on the front of this sheet. <p style="text-align: center;">TRANSPORTATION EMERGENCY, CONTACT CHEMTREC 800-424-9300</p>
WASTE DISPOSAL METHOD Dispose of contaminated product, empty containers and materials used in cleaning up spills or leaks in a Manner approved for this material. Consult appropriate Federal, State and local regulatory agencies to Ascertain proper disposal procedures.

SECTION VIII – SHIPPING DATA

D.O.T.: Sodium Phosphate, Tribasic ORM-E NA 9148 (Applicable for bulk shipments only)
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SECTION IX – REACTIVITY DATA

STABLE: X UNSTABLE AT ____ C ____ F CONDITIONS TO AVIOD No Data IMCOMPATIBILITY (MATERIAL TO AVOID) No Data HAZARDOUS DECOMPOSTION PRODUCTS Phosphorus oxides	HAZARDOUS POLYMERIZATION	MAY OCCUR	
		WILL NOT OCCUR	X

SECTION X – PHYSICAL DATA

MELTING POINT: 75 F	VAPOR PRESSURE: Nil	VOLATILES: Nil
BOILING POINT: No Data	SOLUBILITY IN WATER: 21% @ 60 F	EVAPORATION RATE: N/A
SPECIFIC GRAVITY (H2O=1): 1.6	PH: 1%Sol = 12	VAPOR DENSITY(AIR=1): N/A