



**TriSep Corporation**  
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## MATERIAL SAFETY DATA SHEET

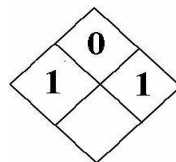
**Product Name: TriPol 7510**

**Date Prepared: 5-Jan-2010**

### PRODUCT AND COMPANY IDENTIFICATION

**Manufacturer/Supplier:**

**NFPA Codes:**



TriSep Corporation  
93 South La Patera Lane  
Goleta, CA 93117

**Emergency Telephone : 1-877-741-1029**

**Outside U.S. Call 1-760-602-6096**

**Product Name: TriPol 7510**

**Health: 1**

**Fire: 0**

**Reactivity: 1**

**Other:**

### MATERIAL COMPOSITION

<b>Hazardous Components</b> (1% or greater for hazardous components, 0.1% or greater for carcinogens)	<b>CAS #</b>	<b>% Or PPM</b>	<b>OSHA PEL</b>	<b>ACGIH PEL</b>	<b>Other Limits Recommended</b>
Water	7732-18-5	>70	None	None	
Amino tris(methylenephosphonic acid)	6419-19-8	15-20	None	None	
Phosphonic acid	13598-36-2	<2			
Formaldehyde	50-00-0	<20 ppm			

### PHYSICAL/CHEMICAL CHARACTERISTICS

**Boiling Point:** 105°C Water

**Specific Gravity:** 1.1 +/- .2

**Vapor Pressure:** Similar to water

**Freezing Point:** 0°C Water

**Vapor Density:** Similar to water

**Evaporation Rate:** <1

**Solubility in Water:** Dilutable

**Water Reactive:** No

**Appearance and Odor:** Clear to hazy liquid, mild odor.

**pH:** 2.0 +/- .5

## EXPOSURE CONTROL/PERSONAL PROTECTION

**Engineering Controls:** Ventilation should be provided to control worker exposure and prevent health risk, and as necessary to reduce, prevent and control aerosol generation.

### Personal Protection

**Eyes/Face:** Use chemical safety goggles and face shield. Eye-washes should be available.

**Skin:** Wear neoprene or rubber gloves to protect hands, chemical suit, and rubber boots. User should verify impermeability under normal conditions of use prior to general use.

**Respiratory:** A NIOSH/MSHA approved respirator for dust, mist and fume cartridges if required.

**Handling:** Wear impervious apron and boots. Safety shower and eye bath located close to chemical exposure area. Monomer vapors can be evolved when material is heated.

**Storage:** Store in a cool, dry, well ventilated location in suitable containers. The minimum recommended storage temperature for this material is 1°C/34°F. The maximum storage temperature for this material is 49°C/120°F

## DISPOSAL INFORMATION

**RCRA Hazardous Waste:** When this product becomes a waste, it is classified as a hazardous waste under criteria of the Resource Conservation and Recovery Act (40 CFR 261).

**Waste Disposal:** Dispose of waste material at an approved landfill site in accordance with local, state, and federal regulations. Do not dispose of waste with normal garbage or in local sewage or public waterways.

**Canada WHIMS:** E-Corrosive

## TRANSPORTATION INFORMATION

**DOT/UN Hazard Class:** 8

**Proper Shipping Name:** CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. phosphonic acid

**Identification Number:** UN3265

**Packing Group:** III

**Label:** Corrosive

## FIRE AND EXPLOSION DATA

**Flash Point:** N/A

**Auto Ignition Temp.:** N/A

### Flammability Limits in Air % By Volume

**Lower Explosive Limit (LEL):** N/A

**Upper Explosive Limit (UEL):** N/A

**Special Fire Fighting Procedures:** Non flammable, use water spray, foam, dry chemical or carbon dioxide. Use breathing apparatus, wear protective gear. Decomposition gives off irritant fumes, carbon monoxide (CO), carbon dioxide, nitrogen oxides (NO<sub>x</sub>), phosphorus oxides (P<sub>x</sub>O<sub>y</sub>), phosphines. Decontaminate gear after use.

**Unusual Fire and Explosion Hazards:** Material can splatter above 100°C/212°F.

## REGULATORY INFORMATION

**NSF Standard 60:** N/A

**TSCA:** All components are listed in the TSCA inventory.

**CERCLA:** If this product is accidentally spilled, it is not subject to any special reporting under the requirements of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). We recommend you contact local authorities to determine if there may be other local reporting requirements.

**SARA Title III:** FIRE NO PRESSURE GENERATING NO REACTIVITY NO ACUTE NO CHRONIC NO 311/312 HAZARD CATEGORIES: NONE  
313 REPORTABLE INGREDIENTS: This product does not contain Section 313 Reportable Ingredients.

**Canadian WHIMS Class:** D2(B) Materials causing other toxic effects E-Corrosive Material

## STABILITY AND REACTIVITY

**Stability:** Stable

**Reactivity:** Non reactive

**Conditions to Avoid:** Avoid contact with concentrated caustic. Contact will result in evolution of heat. Also, avoid contact with strong oxidizing agents. Corrosive to aluminum and mild steel.

**Hazardous Decomposition:** Phosphines, CO, CO<sub>2</sub>, and oxides of nitrogen.

## HEALTH HAZARD INFORMATION

**Emergency Overview:** May cause eye, skin and digestive tract irritation. Mist may cause respiratory Tract irritation.

### Potential Health Effects

**Eye:** May cause eye and tissue irritation.

**Skin:** May cause skin and tissue irritation.

**Ingestion:** Low order of toxicity. May cause irritation to mouth, esophagus and stomach.

**Inhalation:** Inhalation may be irritating to nose, throat, and lungs depending on concentration and duration of exposure.

### Chronic/Carcinogenicity

**NTP:** Not listed.

**OSHA:** Not listed.

**IARC:** Not listed.

**Medical Restrictions:** None known

**Toxicity Information:** Acute Data: Oral LD50 – RAT 2,910 mg/kg

## FIRST AID MEASURES

- Eyes:** Flush eyes immediately for at least 15 minutes with large amounts of water. Get immediate medical attention.
- Skin:** Wash affected area immediately with soap and large amounts of water. Remove contaminated clothing, including shoes, after washing has begun. Get immediate medical attention.
- Ingestion:** If swallowed, DO NOT induce vomiting. Give 2 glasses of water or milk to drink. Do not give an unconscious person anything to drink. Consult a physician.
- Inhalation:** Remove person to fresh air. If breathing is difficult, give oxygen. If breathing stops, give artificial respiration.

## SPILL OR LEAK PROCEDURES

### Steps to be taken event of a spill or release (in all cases notify applicable government authority if spill is significant):

Keep spectators away. Floor may be slippery; use care to avoid falling. Stop discharge and contain spill with inert materials (e.g. sand, earth). Warn occupants in downstream/downwind areas of corrosive release hazard and request all to stay clear.

**Environmental Effects:** ECOTOXICOLOGICAL INFORMATION  
96 Hr EC50 Algae (*Selenastrum capicornutum*) = 20 mg/l  
96 Hr LC50 Rainbow Trout = >330 mg/l  
48 Hr EC50 Daphnia Magna = 297 mg/l  
May be harmful to aquatic life.

**Neutralizing Chemicals:** Neutralize with sodium bicarbonate to a pH of 6 to 9.

**Waste Disposal:** Dispose of waste material at an approved landfill site in accordance with local, state, and federal regulations. Do not dispose of waste with normal garbage or in local sewage system or waterways.

## OTHER

**Prepared By:** TriSep Corporation Regulatory Affairs Department (805) 964-8003

Note: The opinions expressed herein are those of qualified experts within TriSep. We believe the information to be current as of the date of this Material Safety Data Sheet. Since the use of this information and the conditions of the use of the product are not under the control of TriSep, it is the user's obligation to determine conditions of safe use of the product.