



**TriSep Corporation**  
93 South La Patera Lane • Goleta, CA 93117  
Phone (805) 964-8003 • Fax (805) 964-1235 • www.trisep.com

## MATERIAL SAFETY DATA SHEET

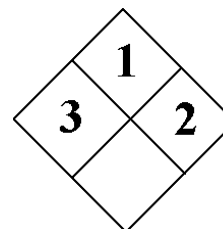
**Product Name:** TriClean 212TF

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

### PRODUCT AND COMPANY IDENTIFICATION

**Manufacturer/Supplier:**  
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:** TriClean 212TF

**NFPA Codes:**



**Health:** 3  
**Fire:** 1  
**Reactivity:** 2  
**Other:**

### MATERIAL COMPOSITION

Hazardous Components (1% or greater for hazardous components, 0.1% or greater for carcinogens)	CAS #	%	OSHA PEL	ACGIH PEL	Other Limits Recommended
Caustic Soda (sodium hydroxide)	1310-73-2	<5	2 mg/m <sup>3</sup>	N/A	
Not Listed on OSHA Standard 29 CFR 1910 Subpart Z		<40	N/A	N/A	
Tetrasodium EDTA	64-02-8	<60	None	None	
Not Listed on OSHA Standard 29 CFR 1910 Subpart Z		<10	None	None	

### PHYSICAL/CHEMICAL CHARACTERISTICS

**Boiling Point:** Over 1000°C

**Specific Gravity:** 2.13

**Vapor Pressure:** 42 mm @ 1000°C

**Freezing Point:** 318°C

**Vapor Density:** N/A

**Evaporation Rate:** Non Volatile

**Solubility in Water:** 25% at 25

**Water Reactive:** Exothermic reaction upon dilution in water.

**Appearance and Odor:** Odorless, free flowing, white powder.

**pH:** 1% solution = 11.0 +/- .5

## EXPOSURE CONTROL/PERSONAL PROTECTION

**Engineering Controls:** Local exhaust ventilation required.

### Personal Protection

**Eyes/Face:** Use chemical safety goggles plus full face shield to protect against splashing. Eye-washes should be available.

**Skin:** Wear chemical resistant gloves such as natural or butyl rubber. Protective clothing made from rubber should be impervious under conditions of use. 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. Product can react violently with water. Some heat may be generated when product is mixed with water. Never add water to product. Always add product – with constant stirring – slowly to surface of water.

**Storage:** Store in a cool, dry, well ventilated location in suitable containers.

## DISPOSAL INFORMATION

**RCRA Hazardous Waste:** When this product becomes a waste, it is classified as a non-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.

**Canada WHIMS:**

## TRANSPORTATION INFORMATION

**DOT/UN Hazard Class:** Not regulated

**Proper Shipping Name:** N/A

**Identification Number:** N/A

**Packaging Group:**

## 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 appropriate media for surrounding fire.

**Unusual Fire and Explosion Hazards:** None



## FIRST AID MEASURES

- Eyes:** Flush eyes immediately for at least 15 minutes, holding lids apart to ensure flushing of the entire surface. Washing eyes within several seconds is essential to achieve maximum effectiveness. GET IMMEDIATE MEDICAL ATTENTION.
- Skin:** IMMEDIATELY wash contaminated areas with plenty of water for at least 15 minutes. Remove contaminated clothing and footwear and wash clothing before reuse. Discard footwear which cannot be decontaminated. GET IMMEDIATE MEDICAL ATTENTION.
- Ingestion:** If swallowed, do not induce vomiting. Give large amounts of water. If available, give several glasses of milk. Do not give an unconscious person anything to drink. GET IMMEDIATE MEDICAL ATTENTION.
- Inhalation:** Remove person to fresh air. If breathing is difficult, have trained person administer oxygen. If respiration stops, give mouth-to-mouth resuscitation.

## 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):

Stop discharge and contain runoff from rainwater by diking with earth or other barrier. Sweep up material and contaminated soil for recovery or disposal.

- Environmental Effects:** May be harmful to aquatic life.
- Neutralizing Chemicals:** Neutralize carefully with dilute inorganic acids such as hydrochloric, sulfuric, nitric, phosphoric or acetic acid 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.

## 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.