



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

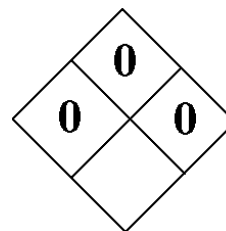
**Product Name:** TriClean 310

**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 310

**NFPA Codes:**



**Health:** 0  
**Fire:** 0  
**Reactivity:** 0  
**Other:** N/A

### MATERIAL COMPOSITION

Hazardous Components (1% or greater for hazardous components, 0.1% or greater for carcinogens)	CAS #	%	OSHA PEL	ACGIH PEL	Other Limits Recommended
Organic acid	77-92-9	>30	N/A	N/A	
Not Listed on OSHA Standard 29 CFR 1910 Subpart Z		<10	N/A	N/A	
Water	2809-21-4	>60	N/A	N/A	

### PHYSICAL/CHEMICAL CHARACTERISTICS

**Boiling Point:** Similar to water

**Specific Gravity:** 1.20

**Vapor Pressure:** Similar to water

**Freezing Point:** Similar to water

**Vapor Density:** Similar to water

**Evaporation Rate:** Similar to water

**Solubility in Water:** Complete

**Water Reactive:** No

**Appearance and Odor:** Odorless clear liquid  
Strong acid taste.

**pH:** 2.0 – 3.0

## EXPOSURE CONTROL/PERSONAL PROTECTION

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

### Personal Protection

**Eyes/Face:** Use chemical safety goggles when there is potential for eye contact. Eye-washes should be available.

**Skin:** Gloves and 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.

**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.

## TRANSPORTATION INFORMATION

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

**Proper Shipping Name:** Organic Acid

**Identification Number:** N/A

## 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

## REGULATORY INFORMATION

**TSCA:** None of the components of this product are regulated under the regulations of the Toxic Substances Control Act

**SARA Title III:** This product does not contain any toxic chemicals subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA)

## STABILITY AND REACTIVITY

**Stability:** Stable

**Reactivity:** Non reactive

**Conditions to Avoid:** None

**Hazardous Decomposition:** Acid fumes, carbon dioxide, carbon monoxide.

## HEALTH HAZARD INFORMATION

**Emergency Overview:** Possible irritation to eyes, skin or respiratory tract. Oral ingestion may cause nausea, vomiting.

### Potential Health Effects

**Eye:** May cause irritation.  
**Skin:** May cause mild irritation.  
**Ingestion:** May cause nausea, vomiting.  
**Inhalation:** Inhalation of vapors may cause irritation to respiratory system.

### Chronic/Carcinogenicity

**NTP:** Not listed  
**OSHA:** Not listed  
**IARC:** Not listed

**Medical Restrictions:** None known

## FIRST AID MEASURES

**Eyes:** Flush immediately with water for at least 15 minutes. See a physician if irritation persists.

**Skin:** Wash skin with soap and water. If chemical penetrates clothing, immediately remove clothing and wash skin with soap and water. See a physician if irritation persists.

**Ingestion:** Dilute by giving 1-2 glasses of water. Do not give unconscious person anything by mouth. Do not induce vomiting.

**Inhalation:** Remove to fresh air. See a physician if irritation persists.

## • SPILL OR LEAK PROCEDURES •

**Steps to be taken in 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. Absorb material and contaminated soil for recovery or disposal.

**Environmental Effects:** May be harmful to aquatic life.

**Neutralizing Chemicals:** Neutralize carefully with soda ash or 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.

## • 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.