



TriSep Corporation
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MATERIAL SAFETY DATA SHEET

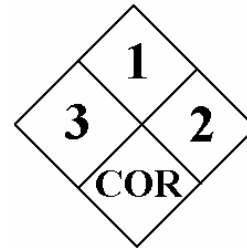
Product Name: TriClean 214TF-LF

Date Prepared: 5-July-2006

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 214TF

NFPA Codes:



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

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	<7	2 mg/m ³	N/A	
Not Listed on OSHA Standard 29 CFR 1910 Subpart Z		<10	N/A	N/A	
Tetrasodium EDTA	64-02-8	<10	None	None	
Isopropanol	67-63-2	<7	400	500	
Water	2809-21-4	>70	N/A	N/A	

PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: Similar to water

Specific Gravity: 1.04

Vapor Pressure: Similar to water

Freezing Point:

Vapor Density: Similar to water

Evaporation Rate: Similar to water

Solubility in Water: Dilutable

Water Reactive: Non reactive.

Appearance and Odor: Odorless, clear solution

pH: 3% solution: 11.5 +/- 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.

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: D1B, E, D2

TRANSPORTATION INFORMATION

DOT/UN Hazard Class: Class 8

Proper Shipping Name: Corrosive liquid, basic, inorganic, n.o.s.

Identification Number: UN 3266

Packaging Group: III

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: All components are listed in the TSCA inventory.

SARA Title III: Immediate (Acute) Health: Yes

Reactive Hazard: Yes

Delayed (Chronic) Health: No

Sudden release of pressure: No

Fire Hazard: No

STABILITY AND REACTIVITY

Stability: Stable

Reactivity: Non reactive

Conditions to Avoid: Strong oxidizing agents, rapid mixing with water

Hazardous Decomposition: Sulfur dioxide and hydrogen sulfide.

HEALTH HAZARD INFORMATION

Emergency Overview: Causes severe burns to skin, eyes and mucous membranes. Contact with eyes can cause permanent eye damage.

Potential Health Effects

Eye: Contact with eyes can cause permanent eye damage.

Skin: Contact produces severe burns and destroys tissues. Irritation may be delayed.

Ingestion: Causes severe burns to mucous membranes of the mouth, throat, esophagus, and stomach.

Inhalation: Breathing of the dust, mist, or spray may cause damage to the upper respiratory tract and the lung tissue which could produce chemical pneumonia depending upon the severity of the exposure.

Chronic/Carcinogenicity

NTP: Not listed

OSHA: Not listed

IARC: Not listed

Medical Restrictions: None known

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.