



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 217

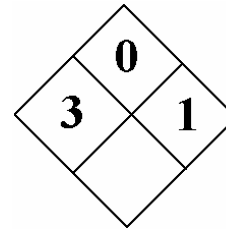
Date Prepared: 5-July-2006

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 217

NFPA Codes:

Health: 3
Fire: 0
Reactivity: 1
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
Water	7732-18-5	>70	None	None	
Organo-diphosphonic acid, liquid.	2809-21-4	<20	None	None	

PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: 108°C Water

Specific Gravity: 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: 3.0-4.0

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 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: Non regulated

Proper Shipping Name: N/A

Identification Number: N/A

Packing 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. When the product is involved in a fire, firefighters should wear full protective clothing and self contained breathing apparatus if exposed to vapors or products of combustion.

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

REGULATORY INFORMATION

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.

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. Contact with common metals produces flammable hydrogen gas.

Hazardous Decomposition: Phosphines, CO, CO₂, and oxides of nitrogen.

HEALTH HAZARD INFORMATION

Emergency Overview: May cause irritation to eyes, skin and digestive tract. Mist may cause respiratory tract irritation.

Potential Health Effects

Eye: May cause eye irritation.

Skin: May cause irritation to skin.

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 – mouse > 6,187 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 LC50 Bluegill = 2,983 mg/l
96 Hr LC50 Rainbow Trout = 1,265 mg/l
48 Hr EC50 Daphnia Magna = 1,812 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.

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.