



TriSep Corporation
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MATERIAL SAFETY DATA SHEET

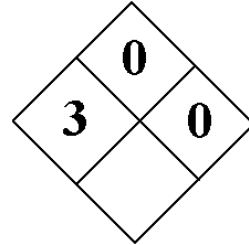
Product Name: TriClean 213

Date Prepared: 25-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 213

NFPA Codes:



Health: 3
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	ACGI H PEL	Other Limits Recommended
Nonionic surfactant	9036-19-5	<10	N/A	N/A	
Sodium Perborate tetrahydrate	10486-00-7	>90	5mg/m ³	N/A	
Sodium metaborate	7775-19-1	1.3	N/A	N/A	

PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: N/A

Specific Gravity: 0.69 to 0.87

Vapor Pressure: 10mm Hg @ 25°C(77°F)

Freezing Point: 63°C(145°F)

Vapor Density: N/A

Evaporation Rate: N/A

**Solubility in Water: 2.55 wt % @ 15°C (59°F),
 3.75 wt % @ 32°C (90°F)**

Water Reactive: No

Appearance and Odor: Crystalline white powder, odorless

pH: 10.0-10.4 in water

EXPOSURE CONTROL/PERSONAL PROTECTION

Engineering Controls: Use sufficient ventilation to keep employee exposure below recommended limits.

Personal Protection

Eyes/Face: Wear safety glasses. Wear chemical splash goggles and face shield when the possibility exists for eye or face contact from airborne material. Use chemical safety goggles to prevent eye contact. Eye-washes should be available.

Skin: Wear impervious clothing, such as gloves, apron, boots or whole bodysuit, as appropriate.

Respiratory: A NIOSH/MSHA approved air purifying respirator with a dust/mist cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air-purifying respirators is limited. Use a positive pressure air-supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air-purifying respirators may not provide adequate protection.

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. Do not store With heavy metal salts or combustible organic matter.

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: Sodium perborate
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: Reported/included as the anhydrous salt, CAS 7632-04-4

SARA Title III: Section 311,312 hazard classifications: Acute: Yes, Chronic: Yes, Fire: No, Reactivity: No, Pressure: No.

STABILITY AND REACTIVITY

Stability: Stable

Reactivity: Non reactive

Conditions to Avoid: Incompatible with mixtures containing heavy metals salts, combustible organic matter, or moisture.

Hazardous Decomposition: Can occur gradually, releasing controlled amounts of oxygen; not considered hazardous under foreseeable circumstances..

HEALTH HAZARD INFORMATION

Emergency Overview: May cause skin irritation. May cause eye corrosion with corneal and conjunctival ulceration.

Potential Health Effects

Eye: May cause eye corrosion with corneal or conjunctival ulceration.

Skin: Skin contact may cause skin irritation with discomfort or rash. Prolonged exposure can cause blistering and sloughing of the skin..

Ingestion: Ingestion or skin absorption of large amounts can cause vomiting, diarrhea of mucous and blood, lethargy, twitching of facial muscles and extremities, convulsions, fever, yellow discoloration of the skin, a fall in blood pressure, collapse, coma, death. Kidney damage can also occur.

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. Call a physician.

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 2 glasses of water and induce vomiting. Do not give unconscious person anything by mouth. Note to physicians: Activated charcoal or gastric lavage may be advisable for significant ingestion's. To prepare activated charcoal slurry, suspend 50 grams of activated charcoal in 400 ml of water in a bottle and shake well. Give 5ml/kg of body weight or 350 ml for an average adult.

Inhalation: Remove to fresh air. If not breathing, give artificial respiration., If breathing is difficult, give oxygen. Call a physician.

• 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. Sweep up material and contaminated soil for recovery or disposal.

Environmental Effects: 24 hr LC-50, fingerling trout: 160 to 320 mg/l

Neutralizing Chemicals: Sulfuric acid or sodium bisulfate.

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.