

Material Safety Data Sheet

Section I—Identity and Manufacturer's Information

IDENTITY: SeaLand Liquid Holding Tank Deodorant and Cleaner, Environment-Friendly (NEW) PRODUCT USE: Holding Tank Deodorant

Product Part Numbers: 379114128 (1 gallon bottle) MSDS Part Number: 600345647
379124008 (Two 8 oz. bottles)
379114032 (One 32 oz. bottle)
379114017 (One 0.5 L bottle)
379114034 (One 1.0 L bottle)

Manufacturer's Name

DOMETIC CORPORATION, SANITATION SYSTEMS

Address

13128 STATE ROUTE 226
BIG PRAIRIE, OHIO 44611

Emergency Telephone Number: **CHEMTREC**
(800) 424 9300

International: (703) 527 3887

Telephone Number for Information: (330) 496 3211

Date Prepared: May 16, 2007

Prepared by: Julie Dagley Reviewed by: Carol Schowe

Section II—Hazardous Ingredients/Identity Information

HAZARDOUS COMPONENTS	CAS #	OSHA PEL	ACGIH	OTHER LIMITS
2-Bromo-2-nitro-1, 3-propanediol	000052-51-7	N/E	N/E	N/A
Nonionic Surfactant	84133-50-6	N/E	N/E	N/A

Section III—Physical/Chemical Characteristics

Boiling Point	212° F (100° C) Water	Specific Gravity:	1.027
Vapor Pressure (mm Hg)	N/E	Melting Point:	N/A
Vapor Density (AIR = 1)	1	Evaporation Rate (Butyl Acetate =1):	LIKE WATER
Solubility in Water	COMPLETE	pH:	4
Appearance and Odor	GREEN LIQUID, CITRUS FRAGRANCE		

Section IV—Fire and Explosion Hazard Data

Flash Point (Method Used)	Flammable Limits	LEL	UEL
>200° F (RTCC)	N/A	N/A	N/A

Extinguishing Media

Water, Dry chemical, carbon dioxide, or foam
Special Fire Fighting Procedures

Firefighters should wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full face piece operated in the positive pressure mode.

Unusual Fire and Explosion Hazards

HAZARDOUS COMBUSTION PRODUCTS: During a fire, smoke may contain the original material in addition to unidentified toxic and/or irritating compounds. Hazardous combustion products may include and are not limited to nitrogen oxides, hydrogen bromide and etc., carbon include trace amounts of bromine.

Section V—Reactivity Data

Stability	Unstable	Stable X	Conditions to Avoid	None known.
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Incompatibility (Materials to Avoid)

Avoid contact with oxidizing materials, amines, bases and strong acids. Reaction with base can generate flammable formaldehyde gas. Corrosive to some metals.

Hazardous Decomposition or Byproducts

HAZARDOUS DECOMPOSITION PRODUCTS: Hazardous decomposition products depend upon temperature, air supply, and the presence of other materials. Toxic flammable gases and heat are released under decomposition.

Hazardous
Polymerization

May Occur

Will Not Occur **X**

Conditions to Avoid None known

Section VI—Health Hazard Data

EMERGENCY OVERVIEW

HEALTH HAZARDS:

EYE: Irritant

SKIN: May be irritating to the skin. Prolonged contact may be absorbed and cause toxic effects including redness, swelling, hemorrhage, lung congestion and labored breathing. Calculated LD50 1.4 g/Kg.

INGESTION: May be harmful if swallowed. Small amounts swallowed incidental to normal handling are not likely to cause injury; however swallowing amount larger than that may cause serious injury, even death. Ingestion may cause gastrointestinal irritation or ulceration. Ingestion may cause burns of the mouth and throat, including sedation, nasal exudates and gasping. Calculated Oral LD50, 4 g/Kg.

INHALATION: A single brief (minute) inhalation not likely to cause harm. Product has very little volatility at room temperature.

SYSTEMATIC (OTHER TARGET ORGAN) EFFECTS: Effects have been reported on the following organs: stomach, thymus, kidneys, and salivary glands.

CARCINOGENICITY: No ingredient that comprise 0.1% or more of this product are listed as OSHA, IARC or NTP carcinogens or suspected carcinogens.

FIRST AID:

INHALATION: Remove person to fresh air. Administer oxygen if necessary. Contact a physician.

SKIN CONTACT: Remove contaminated clothing. Wash clothes before reuse. Wash affected skin area thoroughly with soap and water for at least 5 minutes. Seek medical attention if irritation occurs.

EYE CONTACT: Rinse immediately with water. Remove contact lenses. Flush with copious amounts of water for at least 15 minutes. Seek medical attention.

INGESTION: If swallowed, give one or two glasses of milk or water. Do not induce vomiting. If vomiting occurs, administer additional water. Take patient to a physician or hospital immediately. Do not administer anything by mouth to an unconscious person.

Route(s) of Entry:

INHALATION: Not likely

SKIN CONTACT: Yes

EYE CONTACT: Yes

INGESTION: Yes

Signs and Symptoms of Exposure

SEE HEALTH HAZARDS

Medical Conditions Generally Aggravated by Exposure
None known.

Section VII—Precautions for Safe Handling and Use

Steps to Be Taken in Case Material Is Released or Spilled

Contain spills with absorbent materials such as sand or sawdust to prevent environmental impact to fish, and water life forms. Sweep and shovel into drums for disposal.

Waste Disposal Method

Dispose of in accordance with all federal, state/provincial, and local laws and regulations.

Precautions to Be Taken in Handling and Storing

Do not reuse containers.

Other Precautions

Avoid contact with skin and eyes. Wear appropriate protective clothing and equipment for large spills. Hazardous carbon monoxide gas can form upon contact with food and beverage products in enclosed vessels and can cause serious injury or death. Wash thoroughly after handling.

Section VIII—Control Measures

Respiratory Protection (*Specify Type*)

Use a self-contained breathing apparatus for uncontrolled releases in a fire. Full-face negative pressure respirator with NIOSH/MSHA approved dust/mist cartridges when exposure to mists.

Ventilation Local Exhaust

Ventilate area well by opening doors and windows and using a fan, if available.

Protective Gloves

Nitrile rubber

Eye Protection

Close fitting chemical safety goggles with face shield.

Other Protective Clothing or Equipment

Nitrile rubber or similar impervious apron, eye wash station, safety shower.

Work/Hygienic Practices

Wear proper protective clothing and equipment. Avoid breathing vapors. Do not allow material to come in contact with skin or eyes. Do not eat, drink, or smoke in work areas. Wash thoroughly after handling.