

LEACH & DILLON PRODUCTS
161 COMSTOCK PARKWAY
CRANSTON, R.I. 02921
#401-464-5850
FAX# 401-464-5862

MATERIAL SAFETY DATA SHEET

Date: December 8, 1994

MSDS LD#54

1. PRODUCT IDENTIFICATION

Product Name: Liqua-Mark

Other Designations: N/A

2. HAZARDOUS COMPONENTS/INGREDIENTS

	CAS #	OSHA PEL	ACGIH TLV	OTHER LIMITS
Modified Polyethoxy - Alcohol	68603-25-8 (DF-16)	N.E.	N.E.	N.E.
Octylphenoxy - polyethoxyethanol	9030-19-15 (X-100)	N.E.	N.E.	N.E.

3. PHYSICAL DATA

Boiling Point: 215-225°

Vapor Pressure: <1.0

Specific Gravity: (H₂O=1): >1.0

Appearance and Color: Liquid, ass't colors

Evaporation Rate (Butyl Alcohol = 1): <1.0

Melting Point: 45°F

Vapor Density: (Air = 1)>1.0

Solubility in Water: Complete

Odor: Mild odor

4. FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): 200°F/93°C PMCC.

Extinguishing Media: Water spray, CO₂, dry chemical, foam

Special Fire Fighting Procedures: Wear respirator (pressure-demand, self-contained breathing apparatus. MSHA/NIOSH-approved equivalent) and full protective gear.

Unusual Fire and Explosion Hazard: N/A

5. REACTIVITY DATA

Stability: Yes

Conditions to Avoid: Excessive Heat

Hazardous Polymerization: Will not occur

Hazardous Decomposition: N/A

Incompatibility: Strong oxidizing and reducing agents

6. HEALTH HAZARD DATA

Oral: RAT LD50-2400 mg/kg Dermal - Rabbitt LD50->3g/kg inhalation - RAT 1.050->21.5 mg/L

Inhalation: Acute: Irritation
Chronic: N/A
First Aid: Seek access to fresh air; give artificial respiration if breathing has stopped, seek medical attention.

Ingestion: Acute: Can cause irritation
Chronic: N/A
First Aid: If swallowed dilute by giving two glasses of water to drink. See a physician.

Skin: Acute: Irritation
Chronic: N/A
First Aid: Wash with soap and water.

Eyes: Acute: Irritation.
Chronic: Not Available.
Frist Aid: Flush eyes with a large amount of water for at least 15 minutes. Get prompt medical attention.

Signs & Symptoms of Exposure: N/A

Medical Conditions Generally Aggravated by Exposure: Eye - severely irritating to eyes/possible permanent injury
Skin - irritating to skin upon repeated or prolonged exposure or contact

Carcinogenicity: N/A

7. PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be Taken in Case of a Spill or Leak: Evacuate the spill area. Floor may be slippery; use care to avoid falling. Wear eye protection. Dike and contain spill with inert material (e.g. sand, earthy). Scoop or shovel solid material into a suitable container for disposal. Keep dust to a minimum. Transfer liquid to containers for recovery or disposal and solid dicing material to separate containers for disposal. Thoroughly launder clothing before reuse. DO NOT take clothing home to be laundered. Keeps pills and cleaning runoffs out of municipal sewers and open bodies of water. Eliminate ignition sources. Ventilate area. Avoid breathing (vapor/dust). Evacuate the spill area. Wear respirator suitable for (vapor) concentration encountered (MISHA/NIOSH - approved or equivalent).

Disposal: In accordance with Local, State, and Federal regulations - incinerate liquid, landfill contaminated diking material. (Landfill must be large enough to absorb the surfactant, because significant quantities reaching a stream or treatment plant via leachate can cause foaming).

Precautions to be Taken in Handling & Storing: N.A.

8. CONTROL MEASURES

Respiratory Protection: Wear respiratory (MSHA/NIOSH-approved or equivalent) suitable for concentrations and types of air contaminants encountered.

Protective Gloves: Impervious

Ventilation and Respiratory Protection: Local Exhaust: Yes Special: N.A.
Mechanical: Yes Other: N.A.

Other Protective Equipment: Safety shower, eyewash facility, protective clothing.

Eye protection: Chemical splash goggles (ANSI Z-87.1 or approved equivalent)

9. SUPPLIER NOTIFICATION

Information and data are taken from sources believed to be reliable and correct, but cannot be warranted by manufacturer. User is responsible to determine suitability of material for specific application.