

# Material Safety Data Sheet

Number: **DMN-267**

## Product Name: **L. L. Emulsify**

A liquid detergent.

Revised: 6/7/00

Damon Industries, Inc.  
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Alliance, OH 44601

24 hour Emergency Only phone: 1-800-535-5053  
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### Section 2 - Composition / Information on Hazardous Ingredients

<u>Ingredient</u>	<u>CAS No.</u>	<u>Percent</u>	<u>Carcinogen</u>
Orange Terpenes	68647-72-3	30 - 60%	No
2-(2-Butoxyethoxy)-Ethanol	112-34-5	2 - 10%	No

### Section 3 - Hazards Identification

**Emergency Overview:** Liquid may irritate the eyes and skin. Excessive inhalation of vapors may cause irritation. Product is a little less flammable than kerosene and is water emulsifiable. Product may be disposed of in a sanitary sewer with a large volume of water. A clear tan liquid with orange odor.

**Health Hazards:** Irritant

**Physical Hazards:** None

**Primary Routes of Entry:**  Through Skin  Inhalation  Ingestion

#### Potential Health Effects:

**Eyes** - may cause irritation, redness, tearing.

**Skin** - may cause mild irritation.

**Swallowing** - may cause irritation to the mouth and throat.

**Breathing** - excessive inhalation of vapors may cause irritation.

### Section 4 - First Aid Measures

**Eye Contact:** Immediately flush eyes with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get medical attention immediately.

**Skin Contact:** Wash exposed area with soap and water. If irritation develops and persists, call a physician.

**Inhalation:** If affected, move exposed person to fresh air. If irritation persists get medical attention.

**Ingestion:** If the product is swallowed, give two glasses of water to drink. Induce vomiting immediately by sticking finger down throat. Never give anything by mouth to an unconscious person. Treat for shock by keeping warm and quiet. Get medical attention immediately.

### Section 5 - Fire-Fighting Measures

**Flash Point:** 115° F. ASTM D-56 closed cup.

**Lower Explosive Limit:** 0.7%

**Upper Explosive Limit:** 6.1%

**Extinguishing Media:** Any.

**Special Fire Fighting Procedures:** The product is water emulsifiable so dilution will render it non-flammable.

**Unusual Fire And Explosion Hazards:** None.

### Section 6 - Accidental Release Measures

**Steps To Be Taken If Material Is Released Or Spilled:** Small spills may be wiped or mopped up. Larger spills may be flushed into the sanitary sewer with a large amount of water. The product is water soluble.

### Section 7 - Handling and Storage

Empty containers retain product residue and may be hazardous. Observe all precautions given in this data sheet.

### Section 8 - Exposure Controls / Personal Protection

<u>Ingredient</u>	<u>C.A.S. No.</u>	<u>Percent</u>	<u>TWA(source)</u>	<u>STEL</u>	<u>Ceiling</u>
Orange Terpenes	68647-72-3	30 - 60%	No limits have been established.		
2-(2-Butoxyethoxy)-Ethanol	112-34-5	2 - 10%	No limits have been established.		

(1)=OSHA (2)=NIOSH (3)=ACGIH (4)=CANADA TWA=8 hr Time Weighted Average STEL=15 minute TWA Ceiling=Instantaneous

**Ventilation:** Normal room ventilation.

**Respiratory Protection:** None when used as directed.

**Gloves:** Persons with sensitive skin or who use the product for prolonged periods may wish to use rubber or latex gloves. Disposable latex gloves are not recommended.

**Eye Protection:** None when used as directed. If eye contact is a concern, wear safety glasses with side shields.

**Other Protective Equipment:** None.

### Section 9 - Physical and Chemical Properties

**Boiling Point:** 350° F.

**Specific Gravity:** 0.900

**Percent Volatiles:** 70%

**Solubility In Water:** Complete

**Appearance and Odor:** Clear tan liquid with orange odor.

**Vapor Pressure:** Not Available

**Vapor Density:** Not Available

**Evaporation Rate:** Not Available

**pH:** 7.0 ± 1.0

### Section 10 - Stability and Reactivity

**Incompatibility:** None

**Hazardous Decomposition Products:** None

### Section 11 - Toxicological Information

**Target Organs:** None.

### Section 12 - Ecological Information

Do not dispose of in nature.

### Section 13 - Disposal Considerations

**Waste Disposal Method:** Usually may be flushed into the sanitary sewer with a large amount of water. Before flushing more than 5 gallons to the sewer check with the local sewage treatment facility. The product is water emulsifiable so the flammability should not be a concern.

### Section 14 - Transport Information

**D.O.T. Hazard Class:** Not considered hazardous by D.O.T., I.M.C.O., I.A.T.A. or U.N.

### Section 15 - Regulatory Information

The components of this product are on the TSCA inventory of chemical substances.

**Section 313 Supplier Notification:** This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and CFR 372.

<u>Chemical Name</u>	<u>C.A.S. No.</u>	<u>% By Weight</u>	<u>Lbs./Gallon</u>
2-(2-Butoxyethoxy)-Ethanol	112-34-5	9.0	0.70

### Section 16 - Other Information

<b>NFPA / HMIS Estimates:</b>	<b>Health: 1</b>	<b>Flammability: 2</b>	<b>Reactivity: 0</b>
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0 = Insignificant, 1 = Slight, 2 = Moderate, 3 = Serious, 4 = Severe

Replaces sheet dated 3/15/00. Converted to the ANSI format. Made wording more understandable.

The information accumulated herein is believed to be accurate but is not warranted to be. Recipients are advised to confirm in advance that the information is current, applicable, and suitable to their circumstances.