

Section 1 - IdentificationProduct Name: **L. L. Emulsify** A liquid detergent.

Revised: 7/13/15

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Section 2 - Hazards Identification

Hazard categories: Skin Corrosion/Irritation 2; Eye Corrosion/Irritation 2A; Skin Sensitization 1; Aspiration Hazard 1

Hazard statements: Causes skin and serious eye irritation.
May cause an allergic skin reaction.
May be fatal if swallowed and enters airways.

Signal word: Danger

Pictogram: Exclamation; Health Hazard

Precautionary statements

Prevention

Avoid breathing vapors.

Wear protective gloves such as latex. Wear eye protection such as safety glasses with side shields.

Contaminated work clothing should not be allowed out of the workplace.

Wash hands thoroughly after handling.

Response**IF ON SKIN:** Wash with plenty of water. If skin irritation occurs: Get medical attention. Take off contaminated clothing and wash it before reuse.**IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.**IF SWALLOWED:** Immediately call a POISON CENTER. Do NOT induce vomiting.Storage: Store locked up.Disposal: Dispose of contents in accordance with local, regional, national, and international regulations.**Section 3 - Composition / Information on Ingredients**

Ingredient	C.A.S. No.	Concentration
Water	7732-18-5	45%
d-Limonene	94266-47-4	35%
Alcohols, C12-C15, ethoxylated	68131-39-5	10%
Diethylene glycol monobutyl ether	112-34-5	6%
Benzenesulfonic acid, decyl(sulfophenoxy)-, disodium salt	36445-71-3	4%

The remaining ingredients are not reportable as described in Appendix D to Sec. 1910.1200 Table D.1.

Section 4 - First Aid Measures**Eye Contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing, lifting upper and lower eyelids occasionally. If eye irritation persists: Get medical attention.**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****Extinguishing Media:** Any.**Unusual Fire And Explosion Hazards:** None.**Special Fire Fighting Procedures:** The product is water emulsifiable so dilution will render it non-flammable.**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 should be picked up with absorbent for proper disposal.**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

None of the ingredients have known exposure limits or they are below OSHA reportable levels.

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

Appearance and Odor: A clear tan liquid with orange odor.	
Odor Threshold: Not Available	Vapor Pressure: Not Available
pH: concentrate 7.0 ± 1	Vapor Density: Not Available
Melting Point: Not Available	Relative Density (Specific Gravity): .900
Freezing Point: Not Available	Solubility(ies): Water: 100%
Boiling Point, Initial: 350° F.	Partition coefficient: Not Available
Boiling Range: Not Available	Auto-ignition Temperature: Not Available
Flash Point: 115° F. ASTM D-56 closed cup.	Decomposition Temperature: Not Available
Evaporation Rate: Not Available	Viscosity: Same as water.-
Flammability: (solid, gas): Not Applicable	Volatiles Percent: 70%
Upper Explosive Limit: 6.1%	V.O.C.: 68.4% - 616 grams/liter
Lower Explosive Limit: 0.7%	

Section 10 - Stability and Reactivity

Incompatibility: None

Hazardous Decomposition Products: None

Section 11 - Toxicological Information

Primary Routes of Entry: Skin contact; Skin absorption; 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 12 - Ecological Information

Do not dispose of in nature.

Section 13 - Disposal Considerations

Waste Disposal Method: Less than a gallon may be flushed into the sanitary sewer with a large amount of water. Larger amounts must be disposed of in accordance with all applicable regulations. 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	6.0	0.82

Section 16 - Other Information

NFPA: H:1 F:1 I:0 **HMIS® III:** H:2 F:1 P:0 These ratings estimates are to be used only with a fully implemented training program in the workplace. NFPA® is a mark registered by the NFPA. HMIS® is a mark registered by the NPCA.

Replaces sheet dated 5/29/15. Updated hazard statement "eye irritation" to "serious eye irritation".

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.