



# MATERIAL SAFETY DATA SHEET

## BARRIER MILK

PCN(s) 076

Publication Date: 2/22/2013

REV: I

### 1. SUPPLIER AND EMERGENCY INFORMATION Emergency Phone Numbers:

L&R Manufacturing Company  
577 Elm Street, P.O. Box 607  
Kearny, NJ 07032 - 0607 USA

Product Information  
Call: **201-991-5330**  
www.lrultrasonics.com

For emergencies involving a spill, leak,  
fire or accident contact:  
**CHEMTREC - 800-424-9300**  
within the United States or (01)**703-527-3887** [USA] for  
International collect calls

### 2. HAZARDS IDENTIFICATION

**Physical appearance and odor:** Slightly off white emulsion, with mild pleasant odor.

#### A: WARNING STATEMENT:

Good industrial hygiene practices should be used when handling this material.

**Acute Eyes:** Direct contact causes irritation, redness and possible tearing.

**Acute Skin:** Prolonged or repeated contact can be irritating and drying of the skin.

**Acute Inhalation:** Breathing high concentrations of vapors or mists may cause irritation to the mucous membranes.

#### B: POTENTIAL HEALTH EFFECTS:

**Acute Ingestion:** Will cause irritation to the digestive tract.

**Chronic Effects:** This product does not contain any ingredient designated by IARC, NTP, ACGIH or OSHA as probable or suspected human carcinogen.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS Number	Percentage
Water	7732-18-5	85 - 95
Oleic Acid	112-80-1	1 - 5
Amine Alkylbenzene sulfonate	90218-35-2	1 - 5
Mix of Terpene Hydrocarbons	5989-27-5	1 - 5
Corrosion Inhibitor NJTSRN	489909-5313-PC	1 - 5

### 4. FIRST AID MEASURES

**Eye Exposure:** Hold eyelids open and flush with a steady, gentle stream of water for at least 15 minutes. Seek medical attention.

**Skin Exposure:** Wash thoroughly with water. If irritation or redness develops, seek medical attention.

**Inhalation:** If respiratory irritation or distress occurs, move victim to fresh air. Seek medical attention if respiratory irritation or distress continues.

**Ingestion:** Seek immediate medical attention. DO NOT INDUCE VOMITING.

**MEDICAL CONDITIONS POSSIBLY AGGRAVATED BY EXPOSURE:** Skin contact may aggravate existing skin disease.

### 5. FIRE FIGHTING MEASURES

#### FIRE HAZARD DATA:

**FLASH POINT:** None to boiling **METHOD USED:** Tag Closed Cup

**Flammability limits (vol/vol %):** Lower: No Data Upper: No Data

**Suitable Extinguishing Media:** Extinguish with dry chemical, CO<sub>2</sub> or a BC/ABC extinguisher.

**Special Fire Fighting Procedures:** None known

**Unusual Fire and Explosion Hazards:** Closed containers may explode due to build up of pressure when exposed to extreme heat.

**Hazardous Decomposition Materials:** (under fire conditions) Oxides of nitrogen and carbon.

### 6. ACCIDENTAL RELEASE MEASURES

**Cleanup and Disposal of Spill:** Mop up spill and dispose of by dilution to a sanitary sewer system as permitted by local, state and federal regulations.

**Environmental and Regulatory Reporting:** Not required

### 7. HANDLING AND STORAGE

**Minimum/Maximum Storage Temperatures:** 40 to 100° F. Protect from freezing

**HANDLING:** AVOID CONTACT WITH SKIN, EYES OR CLOTHING

### 8. EXPOSURE CONTROL/PERSONAL PROTECTION

**General:** These recommendations provide general guidance for handling of this product. Because specific work environments and material handling practices vary, safety procedures should be developed for each intended application. When developing safe handling procedures, do

not overlook the need to clean and dispose of the material. Waste resulting from the use of this product should be handled in accordance with Section 13: Disposal Considerations.

**Exposure Guidelines:** Exposure limits are recommended worker breathing limits. The following limits apply to this material:

<u>INGREDIENTS</u>	<u>LIMITS</u>	<u>INGREDIENTS</u>	<u>LIMITS</u>
Water	None established	Mixture of Terpene Hydrocarbons	None established
Oleic Acid	None established	Amine Alkylbenzene sulfonate	None established
Corrosion Inhibitor ACGIH TWA value 2 mg/m <sup>3</sup> inhalable fraction; STEL value 6 mg/m <sup>3</sup> inhalable fraction.			

**Engineering Controls:** Provide adequate room ventilation.

**Respiratory Controls:** For reasonable uses of this material, respiratory protection should not be necessary.

**Eye/Face Protection:** Safety glasses to protect from splashing.

**Skin Protection:** Rubber or plastic gloves to avoid drying and irritation to the skin.

**Work Practice Control:** Normal hygiene in the work area should be taken when working with or handling this product.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:** Liquid Emulsion

**pH:** 6 - 7 as concentrate

**Water Solubility:** White emulsion

**Freezing Point Range:** 34°F

**Vapor Pressure:** Not established

**Flash Point:** None to boiling **Method:** Tag Closed Cup

**Flammability limits (vol/vol %):** Lower: No Data Upper: No Data

**Percent volatile by volume:** Approx. 90 % by volume **V.O.C. (calculated) for concentrate:** 0.17 lbs. / gal or 20.4 grams / l. **V.O.C. (calculated) for recommended dilution of 1 part to 6 parts of water** 0.024 lbs / gal or 2.91 grams / l.

**Color:** Slightly Off White

**Specific Gravity:** 0.98

**Melting Point Range:** Not available

**Boiling Point:** Not established

**Vapor Density:** Not established

**Odor:** Mild pleasant odor.

**Odor Threshold:** Not available

**Evaporation Rate:** Not available

**Partition Coefficient; n-octanol / water:** Not available

**Decomposition Temperature:** Not available

**Auto Ignition Temperature:** Not available

## 10. STABILITY AND REACTIVITY

**Chemical Stability:** Stable

**Conditions to be avoided:** Keep away from heat

**Materials/Chemicals to be avoided:** Strong alkalis. Strong oxidizing agents

**Hazardous Decomposition Products:** Thermal Oxides of carbon, sulfur and acrid fumes.

**Possibility of Hazardous Reactions:** WILL NOT OCCUR

## 11. TOXICOLOGICAL INFORMATION

**Acute Eye Irritation:** Irritating to eyes.

**Acute Skin Irritation:** No test data found for product.

**Acute Dermal Toxicity:** No test data found for product.

**Acute Respiratory Irritation:** No test data found for product.

**Acute Inhalation Toxicity:** No test data found for product.

**Acute Oral Toxicity:**

**LD50 (rat) = 3200 mg/ kg for Terpene Hydrocarbon mix LD50 (rat) = 74 gm/ kg for Oleic Acid**

**LD50 (rat) = Unknown for Amine Benzene Sulfonate LD50 (rat) = Unknown for Corrosion Inhibitor**

**Chronic Toxicity:** This product does not contain any substances that are considered by OSHA, NTP, IARC OR ACGIH to be a probable or suspected human carcinogen. No additional test data was found for this product.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicological Information:** No data found.

## 13. DISPOSAL CONSIDERATIONS

This product can be disposed in sanitary sewer system, with dilution, where permitted by local, federal and state regulations.

## 14. TRANSPORTATION INFORMATION

It is NOT regulated as hazardous. Do not stack cartons more than five high.

## 15. REGULATORY INFORMATION

**Inventory Issues:** All components of this product are listed on the U.S. TSCA, Canadian DSL, European EINECS/ELINS chemical listings

## 16. OTHER INFORMATION

**National Fire Protection Association**

Hazard Rating, NFPA

Health

Flammability

Reactivity

Special

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### MSDS CHANGES

REV

DATE

DESCRIPTION OF CHANGE

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8/15/11

Reviewed/Updated

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2/22/13

Updated

**Disclaimer:** The information herein is given in good faith but no warranty expressed or implied is made.

Prepared By: L&R Manufacturing Company

Date: 2/22/2013

Product Name: **BARRIER MILK**