

# LactoFoam

# SAFETY DATA SHEET

Preparation Date: 11-Dec-2007

Revision Date: 08-Jun-2018

Revision Number: 5

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

### Product Identifier

**Product Name** LactoFoam

### Other means of identification

**Item#:** CAN6220

**Synonyms** None

### Recommended use of the chemical and restrictions on use

**Recommended use** Foaming Pre-Milking Teat Cleanser

**Uses advised against** All other

### Details of the supplier of the safety data sheet

**Supplier** DeLaval Inc.  
10900 Rue Secant Street  
Ville d'Anjou, Quebec H1J 1S5  
Tel: (705) 741-3100

### Emergency Telephone Number

(613) 996-6666 (Canutec)

## 2. HAZARDS IDENTIFICATION

### Classification

|                                   |             |
|-----------------------------------|-------------|
| Serious eye damage/eye irritation | Category 2A |
|-----------------------------------|-------------|

|                   |            |
|-------------------|------------|
| Flammable liquids | Category 4 |
|-------------------|------------|

### Label Elements

#### WARNING

### Hazard statements

Causes serious eye irritation

Combustible liquid



### Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling

Wear protective gloves/protective clothing/eye protection/face protection

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking

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 advice/attention  
In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish

**Precautionary Statements - Storage**

Store in a well-ventilated place. Keep cool

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Substance**

| Chemical name | CAS No  | Weight % |
|---------------|---------|----------|
| Ethyl alcohol | 64-17-5 | 1 - 5*   |
| Lactic acid   | 50-21-5 | 1 - 5*   |

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

### 4. FIRST AID MEASURES

**Description of first-aid measures**

|                       |  |
|-----------------------|--|
| <b>General Advice</b> | Irritating to eyes. Combustible liquid. Does not sustain combustion.   |
| <b>Eye contact</b>    | Rinse thoroughly with plenty of water, also under the eyelids. If eye irritation persists, get medical advice/attention.   |
| <b>Skin contact</b>   | Wash off with plenty of water.   |
| <b>Inhalation</b>     | Move to fresh air. Get medical attention if symptoms occur.  |
| <b>Ingestion</b>      | Do not induce vomiting. Drink 1 or 2 glasses of water. Call a physician or Poison Control Center immediately. Never give anything by mouth to an unconscious person. |

**Most important symptoms and effects, both acute and delayed**

Irritating to eyes. Combustible liquid. Does not sustain combustion.

**Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment

**Unsuitable Extinguishing Media**

No information available

**Specific hazards arising from the chemical**

No information available

**Protective Equipment and Precautions for Firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full

protective gear

NFPA Health hazards 0 Flammability 1 Instability 0

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

Avoid contact with the skin and the eyes

### Environmental Precautions

Prevent further leakage or spillage if safe to do so

### Methods and material for containment and cleaning up

Soak up with inert absorbent material Take precautionary measures against static discharges

## 7. HANDLING AND STORAGE

### Precautions for Safe Handling

**Handling** Handle in accordance with good industrial hygiene and safety practice Avoid contact with skin and eyes

### Conditions for safe storage, including any incompatibilities

**Storage** Keep containers tightly closed in a dry, cool and well-ventilated place

**Incompatible Materials** strong oxidizing agents, strong acids, strong bases

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

Only constituents with exposure limits are listed. Any constituent not listed has no known exposure limit.

| Chemical name            | Alberta                                      | British Columbia | Ontario TWAEV  | Quebec                                       |
|--------------------------|--|------------------|----------------|--|
| Ethyl alcohol<br>64-17-5 | TWA: 1000 ppm<br>TWA: 1880 mg/m <sup>3</sup> | STEL: 1000 ppm   | STEL: 1000 ppm | TWA: 1000 ppm<br>TWA: 1880 mg/m <sup>3</sup> |

### Appropriate engineering controls

**Engineering Controls** Ensure adequate ventilation, especially in confined areas

### Individual protection measures, such as personal protective equipment

**Eye/face Protection** Safety glasses with side-shields

**Skin and body protection** Wear protective gloves and protective clothing

**Respiratory Protection** In case of inadequate ventilation wear respiratory protection.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

|                       |                 |                       |                          |
|-----------------------|-----------------|-----------------------|--------------------------|
| <b>Physical state</b> | Liquid          | <b>Odor</b>           | No information available |
| <b>Appearance</b>     | Clear Colorless | <b>Odor Threshold</b> | No information available |

| <u>Property</u>                        | <u>Values</u>     | <u>Remarks/ • Method</u> |
|--|-------------------|--------------------------|
| pH                                     | 3.4 - 3.8         | No data available        |
| Melting point/freezing point           | No data available | No data available        |
| Boiling Point/Range                    | No data available | No data available        |
| Flash Point                            | 64 °C             | No data available        |
| Evaporation rate                       | No data available | No data available        |
| Flammability (solid, gas)              | No data available | No data available        |
| Flammability Limit in Air              |                   | No data available        |
| Upper flammability limit               | No data available |                          |
| Lower flammability limit               | No data available |                          |
| Vapor Pressure                         | No data available | No data available        |
| Vapor Density                          | No data available | No data available        |
| Specific Gravity                       | 1.0               | No data available        |
| Water Solubility                       | soluble           | No data available        |
| Partition coefficient: n-octanol/water | No data available | No data available        |
| Autoignition Temperature               | No data available | No data available        |
| Decomposition temperature              | No data available | No data available        |
| Viscosity of Product                   | No data available | No data available        |

**Other information**

Density 1.01 kg/l

## 10. STABILITY AND REACTIVITY

**Reactivity**

May react with other chemicals, Do not mix with other chemicals except as directed on label

**Chemical Stability**

Stable under normal conditions

**Possibility of hazardous reactions**

None known

**Conditions to Avoid**

Extremes of temperature and direct sunlight

**Incompatible Materials**

strong oxidizing agents, strong acids, strong bases

**Hazardous decomposition products**

None known.

## 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure**

**Eyes** Irritating to eyes

**Ingestion** Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea

**Numerical measures of toxicity**

The following values are calculated based on chapter 3.1 of the GHS document .

|                               |           |
|-------------------------------|-----------|
| ATEmix (oral)                 | 34,941.00 |
| ATEmix (dermal)               | 52,408.00 |
| ATEmix (inhalation-dust/mist) | 97.50     |

| Chemical name            | LD50 Oral            | LD50 Dermal           | LC50 Inhalation         |
|--------------------------|----------------------|-----------------------|-------------------------|
| Ethyl alcohol<br>64-17-5 | = 7060 mg/kg ( Rat ) | >20000 mg/kg (rabbit) | 124.7 mg/L ( rat )      |
| Lactic acid              | = 3543 mg/kg ( Rat ) | > 2 g/kg ( Rabbit )   | > 7.94 mg/L ( Rat ) 4 h |

|         |  |  |  |
|---------|--|--|--|
| 50-21-5 |  |  |  |
|---------|--|--|--|

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Sensitization** None known

**Mutagenic effects** None known

**Carcinogenicity** The table below indicates whether each agency has listed any ingredient as a carcinogen

| Chemical name            | ACGIH | IARC    | NTP   | OSHA |
|--------------------------|-------|---------|-------|------|
| Ethyl alcohol<br>64-17-5 | A3    | Group 1 | Known | X    |

**ACGIH (American Conference of Governmental Industrial Hygienists)**

A3 - Animal Carcinogen

**IARC (International Agency for Research on Cancer)**

Group 1 - Carcinogenic to Humans

**Reproductive Effects** None known

**Developmental Effects** None known.

**Teratogenicity** None known.

**STOT - single exposure** None known

**STOT - repeated exposure** None known

**Target Organ Effects** None known.

**Neurological Effects** None known.

**Other Adverse Effects** None known.

**Aspiration Hazard** None known

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

If available, ecotoxicity values of individual components are shown below.

| Chemical name            | Algae/aquatic plants | Fish   | Microtox  | Waterflea   |
|--------------------------|----------------------|--|---|---|
| Ethyl alcohol<br>64-17-5 | -                    | 12.0 - 16.0: 96 h<br>Oncorhynchus mykiss<br>mL/L LC50 static 13400<br>- 15100: 96 h<br>Pimephales promelas<br>mg/L LC50 flow-through<br>100: 96 h Pimephales<br>promelas mg/L LC50<br>static | EC50 = 34634 mg/L 30<br>min<br>EC50 = 35470 mg/L 5<br>min | 9268 - 14221: 48 h<br>Daphnia magna mg/L<br>LC50 10800: 24 h<br>Daphnia magna mg/L<br>EC50 2: 48 h Daphnia<br>magna mg/L EC50<br>Static |

**Persistence and degradability**

No information available.

**Bioaccumulation/Accumulation**

No information available.

**Other adverse effects**

No information available.

### 13. DISPOSAL CONSIDERATIONS

#### Waste treatment methods

|                               |   |
|-------------------------------|---|
| <b>Waste Disposal Method</b>  | Dispose of in accordance with local regulations                                   |
| <b>Contaminated Packaging</b> | Empty containers should be taken for local recycling, recovery or waste disposal. |

### 14. TRANSPORT INFORMATION

|                   |               |
|-------------------|---------------|
| <b><u>DOT</u></b> | Not regulated |
|-------------------|---------------|

### 15. REGULATORY INFORMATION

#### Safety, health and environmental regulations/legislation specific for the substance or mixture

#### International Regulations

|   |                |
|---|----------------|
| <b>Ozone-depleting substances (ODS)</b> | Not applicable |
| <b>Persistent Organic Pollutants</b>    | Not applicable |
| <b>The Rotterdam Convention</b>         | Not applicable |

### 16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION

|                          |                           |
|--------------------------|---------------------------|
| <b>Preparation Date:</b> | 11-Dec-2007               |
| <b>Revision Date:</b>    | 08-Jun-2018               |
| <b>Revision Note:</b>    | No information available. |

#### **Disclaimer**

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End of Safety Data Sheet