



## SAFETY DATA SHEET

### LIQUID HAND SOAP

#### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : LIQUID HAND SOAP

Other means of identification : not applicable

Recommended use : Skin-care

Restrictions on use : Reserved for industrial and professional use.

Product dilution information : Product is sold ready to use.

Company : Ecolab Inc.  
370 N. Wabasha Street  
St. Paul, Minnesota USA 55102  
1-800-352-5326

Emergency telephone : 1-800-328-0026 (US/Canada), 1-651-222-5352 (outside US)

Issuing date : 03/31/2014

#### SECTION 2. HAZARDS IDENTIFICATION

##### GHS Classification

Eye irritation : Category 2B

##### GHS Label element

Signal Word : Warning

Hazard Statements : Causes eye irritation.

Precautionary Statements : **Response:**  
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.

Other hazards : None known.

#### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Pure substance/mixture : Mixture

| Chemical Name   | CAS-No.    | Concentration (%) |
|---|------------|-------------------|
| poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-hydroxy-, c10-16-alkyl ethers, sodium salts | 68585-34-2 | 1 - 5             |
| 1-propanaminium, 3-amino-n-(carboxymethyl)-n,n-dimethyl-, n-coco acyl derivs., inner salts  | 61789-40-0 | 1 - 5             |
| glycerin  | 56-81-5    | 1 - 5             |
| sulfuric acid, mono-c10-16-alkyl esters, sodium salts                                       | 68585-47-7 | 1 - 5             |
| ethanol   | 64-17-5    | 1 - 5             |

#### SECTION 4. FIRST AID MEASURES

In case of eye contact : Rinse with water.

In case of skin contact : Rinse with water.

# SAFETY DATA SHEET

## LIQUID HAND SOAP

- If swallowed : Rinse mouth. Get medical attention if symptoms occur.
- If inhaled : Get medical attention if symptoms occur.
- Protection of first-aiders : No special precautions are necessary for first aid responders.
- Notes to physician : Treat symptomatically.

**See toxicological information (Section 11)**

### SECTION 5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Unsuitable extinguishing media : None known.
- Specific hazards during fire fighting : Not flammable or combustible.
- Hazardous combustion products : Carbon oxides
- Special protective equipment for fire-fighters : Use personal protective equipment.
- Specific extinguishing methods : Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. In the event of fire and/or explosion do not breathe fumes.

### SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Ensure clean-up is conducted by trained personnel only. Refer to protective measures listed in sections 7 and 8.
- Environmental precautions : Do not allow contact with soil, surface or ground water.
- Methods and materials for containment and cleaning up : Stop leak if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Flush away traces with water. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.

### SECTION 7. HANDLING AND STORAGE

- Advice on safe handling : No special handling advice required.
- Conditions for safe storage : Keep out of reach of children. Keep container tightly closed. Store in suitable labeled containers.
- Storage temperature : 0 °C to 50 °C

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

# SAFETY DATA SHEET

## LIQUID HAND SOAP

### Ingredients with workplace control parameters

| Ingredients | CAS-No. | Form of exposure | Permissible concentration            | Basis     |
|-------------|---------|------------------|--------------------------------------|-----------|
| glycerin    | 56-81-5 | TWA              | 10 mg/m <sup>3</sup>                 | ACGIH     |
| ethanol     | 64-17-5 | TWA              | 1,000 ppm                            | ACGIH     |
|             |         | TWA              | 1,000 ppm<br>1,900 mg/m <sup>3</sup> | NIOSH REL |
|             |         | TWA              | 1,000 ppm<br>1,900 mg/m <sup>3</sup> | OSHA Z1   |

Engineering measures : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

### Personal protective equipment

Eye protection : No special protective equipment required.

Hand protection : No special protective equipment required.

Skin protection : No special protective equipment required.

Respiratory protection : No personal respiratory protective equipment normally required.

Hygiene measures : No specific measures identified.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : liquid

Color : clear, pink

Odor : Perfumes, fragrances

pH : 6.0 - 8.0, 100 %

Flash point : not applicable, Does not sustain combustion.

Odor Threshold : no data available

Melting point/freezing point : no data available

Initial boiling point and boiling range : > 100 °C

Evaporation rate : no data available

Flammability (solid, gas) : no data available

Upper explosion limit : no data available

Lower explosion limit : no data available

Vapor pressure : no data available

Relative vapor density : no data available

Relative density : 1.025 - 1.045

Water solubility : soluble

Solubility in other solvents : no data available

Partition coefficient: n-octanol/water : no data available

## SAFETY DATA SHEET

### LIQUID HAND SOAP

|                          |  |
|--------------------------|--|
| Autoignition temperature | : no data available  |
| Thermal decomposition    | : no data available  |
| Viscosity, kinematic     | : 774.338 mm <sup>2</sup> /s (40 °C)                       |
| Explosive properties     | : no data available  |
| Oxidizing properties     | : The substance or mixture is not classified as oxidizing. |
| Molecular weight         | : no data available  |
| VOC                      | : no data available  |

### SECTION 10. STABILITY AND REACTIVITY

|                                    |   |
|------------------------------------|---|
| Chemical stability                 | : Stable under normal conditions.                             |
| Possibility of hazardous reactions | : No dangerous reaction known under conditions of normal use. |
| Conditions to avoid                | : None known.   |
| Incompatible materials             | : None known.   |
| Hazardous decomposition products   | : Carbon oxides   |

### SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure : Inhalation, Eye contact, Skin contact

#### Potential Health Effects

|                  |   |
|------------------|---|
| Eyes             | : Causes eye irritation.                                      |
| Skin             | : Health injuries are not known or expected under normal use. |
| Ingestion        | : Health injuries are not known or expected under normal use. |
| Inhalation       | : Health injuries are not known or expected under normal use. |
| Chronic Exposure | : Health injuries are not known or expected under normal use. |

#### Experience with human exposure

|              |                                  |
|--------------|----------------------------------|
| Eye contact  | : Redness, Irritation            |
| Skin contact | : No symptoms known or expected. |
| Ingestion    | : No symptoms known or expected. |
| Inhalation   | : No symptoms known or expected. |

#### Toxicity

|                           |   |
|---------------------------|---|
| Acute oral toxicity       | : Acute toxicity estimate : > 5,000 mg/kg |
| Acute inhalation toxicity | : no data available                       |

## SAFETY DATA SHEET

### LIQUID HAND SOAP

|                                   |   |
|-----------------------------------|---|
| Acute dermal toxicity             | : Acute toxicity estimate : > 5,000 mg/kg   |
| Skin corrosion/irritation         | : no data available   |
| Serious eye damage/eye irritation | : Mild eye irritation   |
| Respiratory or skin sensitization | : no data available   |
| Carcinogenicity                   |   |
| IARC                              | No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC. |
| OSHA                              | No ingredient of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.            |
| NTP                               | No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.                |
| Reproductive effects              | : no data available   |
| Germ cell mutagenicity            | : no data available   |
| Teratogenicity                    | : no data available   |
| STOT-single exposure              | : no data available   |
| STOT-repeated exposure            | : no data available   |
| Aspiration toxicity               | : no data available   |
| <b>Ingredients</b>                |   |
| Acute inhalation toxicity         | : ethanol<br>4 h LC50 rat: 117 mg/l   |

### SECTION 12. ECOLOGICAL INFORMATION

#### Ecotoxicity

Environmental Effects : Harmful to aquatic life.

#### Product

Toxicity to fish : no data available

Toxicity to daphnia and other aquatic invertebrates : no data available

Toxicity to algae : no data available

#### Ingredients

Toxicity to fish : poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-hydroxy-, c10-16-alkyl ethers, sodium salts  
96 h LC50 Fish: 28 mg/l

1-propanaminium, 3-amino-n-(carboxymethyl)-n,n-dimethyl-, n-coco acyl derivs., inner salts  
96 h LC50 Fish: 2 mg/l

glycerin  
96 h LC50 Fish: 855 mg/l

# SAFETY DATA SHEET

## LIQUID HAND SOAP

ethanol  
96 h LC50 Fish: 11,000 mg/l

### Ingredients

Toxicity to daphnia and other aquatic invertebrates : sulfuric acid, mono-c10-16-alkyl esters, sodium salts  
48 h EC50 Daphnia : 1.37 mg/l

### Persistence and degradability

no data available

### Bioaccumulative potential

no data available

### Mobility in soil

no data available

### Other adverse effects

no data available

## SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods : The product should not be allowed to enter drains, water courses or the soil. Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations. Dispose of wastes in an approved waste disposal facility.

Disposal considerations : Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers.

## SECTION 14. TRANSPORT INFORMATION

The shipper/consignor/sender is responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transport.

### Land transport (DOT)

Not dangerous goods

### Sea transport (IMDG/IMO)

Not dangerous goods

## SECTION 15. REGULATORY INFORMATION

### EPCRA - Emergency Planning and Community Right-to-Know

#### CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

#### SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

**SARA 311/312 Hazards** : Acute Health Hazard

## SAFETY DATA SHEET

### LIQUID HAND SOAP

**SARA 302** : SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313** : SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

#### **California Prop 65**

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

**The ingredients of this product are reported in the following inventories:**

#### **1907/2006 (EU) :**

not determined

#### **Switzerland. New notified substances and declared preparations :**

not determined

#### **United States TSCA Inventory :**

On TSCA Inventory

#### **Canadian Domestic Substances List (DSL) :**

This product contains one or several components that are not on the Canadian DSL nor NDSL.

#### **Australia Inventory of Chemical Substances (AICS) :**

not determined

#### **New Zealand. Inventory of Chemical Substances :**

not determined

#### **Japan. ENCS - Existing and New Chemical Substances Inventory :**

not determined

#### **Japan. ISHL - Inventory of Chemical Substances (METI) :**

not determined

#### **Korea. Korean Existing Chemicals Inventory (KECI) :**

not determined

#### **Philippines Inventory of Chemicals and Chemical Substances (PICCS) :**

not determined

#### **China. Inventory of Existing Chemical Substances in China (IECSC) :**

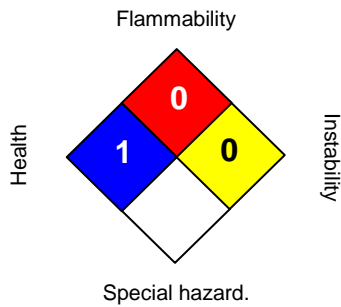
not determined

### SECTION 16. OTHER INFORMATION

# SAFETY DATA SHEET

## LIQUID HAND SOAP

### NFPA:



### HMIS III:

|                        |          |
|------------------------|----------|
| <b>HEALTH</b>          | <b>1</b> |
| <b>FLAMMABILITY</b>    | <b>0</b> |
| <b>PHYSICAL HAZARD</b> | <b>0</b> |

0 = not significant, 1 = Slight,  
2 = Moderate, 3 = High  
4 = Extreme, \* = Chronic

Issuing date : 03/31/2014  
Version : 1.0  
Prepared by : Regulatory Affairs

REVISED INFORMATION: Significant changes to regulatory or health information for this revision is indicated by a bar in the left-hand margin of the SDS.

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.