

### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name	:	CONCENTRATED MILD FOAM HAND SOAP
Other means of identification	:	Not applicable
Recommended use	:	Hand Soap
Restrictions on use	:	Reserved for industrial and professional use.
Product dilution information	:	7.5 % - 12.5 %
Company	:	Ecolab Inc. 1 Ecolab Place St. Paul, Minnesota USA 55102 1-800-352-5326
Emergency health information	:	1-800-328-0026 (US/Canada), 1-651-222-5352 (outside US)
Issuing date	:	10/04/2017
SECTION 2. HAZARDS IDEN	ITI	
GHS Classification		
Product AS SOLD Serious eye damage	:	Category 1
Product AT USE DILUTION Not a hazardous substance or	r mi	ixture.
GHS label elements		
Product AS SOLD Hazard pictograms	:	
Signal Word	:	Danger
Hazard Statements	:	Causes serious eye damage.
Precautionary Statements	:	Prevention: Wear eye protection/ face protection. Response: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.
Product AT USE DILUTION Precautionary Statements	:	Prevention: Wash hands thoroughly after handling. Response: Get medical advice/ attention if you feel unwell. Storage: Store in accordance with local regulations.

# Product AS SOLDOther hazards: None known.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Product AS SOLD Pure substance/mixture : Mixture		
Chemical name Sodium poly(oxyethylene) dodecyl ether sulfate glycerin 2-methylpentane-2,4-diol Alkylamidopropylbetaines d-glucopyranose, oligomeric, decyl octyl glycosides Alkylpolyglycosides	CAS-No. 68585-34-2 56-81-5 107-41-5 61789-40-0 68515-73-1 110615-47-9	<b>Concentration (%)</b> 10 - 30 10 - 30 5 - 10 1 - 5 1 - 5 1 - 5
Product AT USE DILUTION Chemical name Sodium poly(oxyethylene) dodecyl ether sulfate glycerin 2-methylpentane-2,4-diol	<b>CAS-No.</b> 68585-34-2 56-81-5 107-41-5	<b>Concentration (%)</b> 1 - 5 1 - 5 1 - 5

### SECTION 4. FIRST AID MEASURES

#### Product AS SOLD

In case of eye contact	:	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.
In case of skin contact	:	Rinse with plenty of water.
If swallowed	:	Rinse mouth. Get medical attention if symptoms occur.
If inhaled	:	Remove to fresh air. Treat symptomatically. Get medical attention if symptoms occur.
Protection of first-aiders	:	If potential for exposure exists refer to Section 8 for specific personal protective equipment.
Notes to physician	:	Treat symptomatically.
Most important symptoms and effects, both acute and delayed	:	See Section 11 for more detailed information on health effects and symptoms.
Product AT USE DILUTION In case of eye contact		Rinse with water.
In case of skin contact	:	Rinse with water.
If swallowed	:	Rinse mouth. Get medical attention if symptoms occur.
If inhaled	:	Get medical attention if symptoms occur.

### SECTION 5. FIRE-FIGHTING MEASURES

### Product AS SOLD

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	<ul> <li>Decomposition products may include the following materials: Carbon oxides Nitrogen oxides (NOx) Sulfur oxides Oxides of phosphorus</li> </ul>
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

#### Product AS SOLD

Personal precautions, protective equipment and emergency procedures	:	Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Avoid inhalation, ingestion and contact with skin and eyes. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. 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.
<b>Product AT USE DILUTION</b> Personal precautions, protective equipment and emergency procedures	:	Refer to protective measures listed in sections 7 and 8.
Environmental precautions	:	No special environmental precautions required.
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

### Product AS SOLD

Advice on safe handling	:	Do not get in eyes, on skin, or on clothing. Wash hands thoroughly after handling.
Conditions for safe storage	:	Keep out of reach of children. Store in suitable labeled containers.
Storage temperature	:	0 °C to 50 °C
Product AT USE DILUTION Advice on safe handling	:	No special handling advice required.
Conditions for safe storage	:	Keep out of reach of children. Store in suitable labeled containers.

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Product AS SOLD

### Ingredients with workplace control parameters

Ingredients	CAS-No.	Form of exposure	Permissible concentration	Basis
glycerin	56-81-5	TWA	10 mg/m3	ACGIH
		TWA (respirable fraction)	5 mg/m3	OSHA Z1
2-methylpentane-2,4-diol	107-41-5	Ceiling	25 ppm	ACGIH
		Ceiling	25 ppm 125 mg/m3	NIOSH REL
Engineering measures		aust ventilation sy tional exposure s	stem. Maintain air co tandards.	oncentrations
Personal protective equipme	nt			
Eye protection	: Wear eye prot	tection/ face prote	ection.	
Hand protection	: No special pro	ptective equipme	nt required.	
Skin protection	: No special pro	otective equipmer	nt required.	
Respiratory protection	: No personal r	espiratory protect	tive equipment norma	ally required.
Hygiene measures	practice. Was handling. Prov	h face, hands and vide suitable facil	d industrial hygiene a d any exposed skin th ities for quick drenchi ontact or splash haza	noroughly after ing or flushing of
Product AT USE DILUTION Engineering measures		ventilation shoul	d be sufficient to cont ants.	trol worker
Personal protective equipme	nt			
Eye protection	: No special pro	ptective equipme	nt required.	
Hand protection	: No special pro	ptective equipme	nt required.	
Skin protection	: No special pro	otective equipme	nt required.	
Respiratory protection	: No personal r	espiratory protect	tive equipment norma	ally required.

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

		Product AS SOLD
Appearance	:	liquid
Color	:	clear, green
Odor	:	soapy
рН	:	5.0 - 7.0, (100 %)
Flash point	:	Not applicable
Odor Threshold	:	No data available
Melting point/freezing point	:	No data available
Initial boiling point and boiling range	:	No data available
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	:	1.02 - 1.12
Water solubility	:	soluble
Solubility in other solvents	:	No data available
Partition coefficient: n- octanol/water	:	No data available
Autoignition temperature	:	No data available
Thermal decomposition	:	No data available
Viscosity, kinematic	:	No data available
Explosive properties	:	No data available
Oxidizing properties	:	No data available
Molecular weight	:	No data available
VOC	:	No data available

# Product AT USE DILUTION

liquid light green soapy 5.0 - 7.0

### SECTION 10. STABILITY AND REACTIVITY

Product AS SOLD 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	:	Decomposition products may include the following materials: Carbon oxides

Nitrogen oxides (NOx) Sulfur oxides Oxides of phosphorus

### SECTION 11. TOXICOLOGICAL INFORMATION

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

### **Potential Health Effects**

Product AS SOLD Eyes	:	Causes serious eye damage.
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.
Product AT USE DILUTION Eyes	:	Health injuries are not known or expected under normal use.
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

Product AS SOLD Eye contact	: Redness, Pain, Corrosion
Skin contact	: No symptoms known or expected.
Ingestion	: No symptoms known or expected.
Inhalation	: No symptoms known or expected.
Product AT USE DILUTION	
Eye contact	: No symptoms known or expected.
Skin contact	: No symptoms known or expected.
Ingestion	: No symptoms known or expected.
Inhalation	: No symptoms known or expected.
Toxicity	
Product AS SOLD Product Acute oral toxicity	: Acute toxicity estimate : > 5,000 mg/kg
Acute of al toxicity	. Acute toxicity estimate . > 0,000 mg/kg

Acute inhalation toxicity	:	No data available
Acute dermal toxicity	:	Acute toxicity estimate : > 5,000 mg/kg
Skin corrosion/irritation	:	No data available
Serious eye damage/eye irritation	:	No data available
Respiratory or skin sensitization	:	No data available
Carcinogenicity	:	No data available
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
Ingredients		
Acute inhalation toxicity	:	2-methylpentane-2,4-diol 4 h LC50 Rat: 1.1 mg/l

### SECTION 12. ECOLOGICAL INFORMATION

#### Product AS SOLD Ecotoxicity

010402	7/10		
Toxicity to algae	: d-glucopyranose, oligomeric, decyl octyl glycosides		
Ingredients			
Toxicity to daphnia and other aquatic invertebrates	<ul><li>2-methylpentane-2,4-diol</li><li>48 h EC50 Daphnia: 2,800 mg/l</li></ul>		
Ingredients			
	Alkylpolyglycosides 96 h LC50 Fish: 5 mg/l		
	Alkylamidopropylbetaines 96 h LC50 Fish: 2 mg/l		
	glycerin 96 h LC50 Fish: 855 mg/l		
Toxicity to fish	<ul> <li>Sodium poly(oxyethylene) dodecyl ether sulfate</li> <li>96 h LC50 Fish: 28 mg/l</li> </ul>		
Ingredients			
Toxicity to algae	: No data available		
Toxicity to daphnia and other aquatic invertebrates	: No data available		
Toxicity to fish	: No data available		
Product			
Environmental Effects	: Harmful to aquatic life.		
Ecotoxicity			

72 h EC50: 18 mg/l

#### Persistence and degradability

### Product AS SOLD

No data available

#### Product AT USE DILUTION No data available

Bioaccumulative potential

No data available

#### Mobility in soil

No data available

#### Other adverse effects

No data available

### SECTION 13. DISPOSAL CONSIDERATIONS

Product AS SOLD Disposal methods	:	Do not contaminate ponds, waterways or ditches with chemical or used container. 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. Dispose of in accordance with local, state, and federal regulations.
Product AT USE DILUTION Disposal methods	:	Diluted product can be flushed to sanitary sewer.
Disposal considerations	:	Dispose of in accordance with local, state, and federal regulations.

### SECTION 14. TRANSPORT INFORMATION

#### **Product AS SOLD**

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

#### Product AS SOLD

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

#### United States TSCA Inventory :

On TSCA Inventory

### Canadian Domestic Substances List (DSL) :

All components of this product are on the Canadian DSL

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

On the inventory, or in compliance with the inventory

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

On the inventory, or in compliance with the inventory

# Japan. ENCS - Existing and New Chemical Substances Inventory : not determined

Korea. Korean Existing Chemicals Inventory (KECI) :

On the inventory, or in compliance with the inventory

# Philippines Inventory of Chemicals and Chemical Substances (PICCS) : not determined

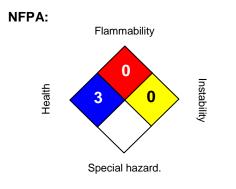
**China. Inventory of Existing Chemical Substances in China (IECSC)** : On the inventory, or in compliance with the inventory

### Taiwan Chemical Substance Inventory :

not determined

### SECTION 16. OTHER INFORMATION

Product AS SOLD

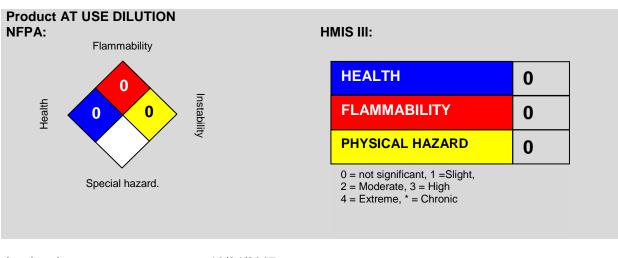


### HMIS III:



2 = Moderate, 3 = High

4 = Extreme, \* = Chronic



Issuing date	:	10/04/2017
Version	:	1.0
Prepared by	:	<b>Regulatory Affairs</b>

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.