

# Material Safety Data Sheet

KEYSTONE LOTION HAND SOAP



## 1. Product and company identification

Trade name of product : KEYSTONE LOTION HAND SOAP

Product use : Skin Cleaner

Product dilution information : Not applicable

Supplier's information : Ecolab Co.  
5105 Tomken Road  
Mississauga ON L4W 2X5  
1-800-352-5326

Code : 947036-07

Date of issue : 06-February-2013

EMERGENCY HEALTH INFORMATION: 1-800-328-0026  
Outside United States and Canada CALL 1-651-222-5352 (in USA)

## 2. Hazards identification

### Product AS SOLD

Physical state : Liquid.

Emergency overview : WARNING!

May cause mild eye irritation.

Avoid contact with eyes.

Routes of entry : Skin contact, Eye contact, Inhalation, Ingestion

### Potential acute health effects

### Product AS SOLD

Eyes : May cause mild eye irritation.

Skin : No known significant effects or critical hazards.

Inhalation : No known significant effects or critical hazards.

Ingestion : No known significant effects or critical hazards.

See toxicological information (Section 11)

### Product AT USE DILUTION

Product is sold ready to use.

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Product is sold ready to use.

## 3. Composition/information on ingredients

### Product AS SOLD

Name	CAS number	% by weight
poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-hydroxy-, c10-16-alkyl ethers, sodium salts	68585-34-2	3 - 7
GLYCERIN	56-81-5	1 - 5
COCAMIDOPROPYL BETAINE	61789-40-0	1 - 5
sulfuric acid, mono-c10-16-alkyl esters, sodium salts	68585-47-7	0.5 - 1.5
ALCOHOL	64-17-5	0.5 - 1.5

### Product AT USE DILUTION

Name	CAS number	% by weight
Product is sold ready to use.		

## 4. First-aid measures

Product AS SOLD		Product AT USE DILUTION
<b>Eye contact</b>	: Rinse with water for a few minutes.	
<b>Skin contact</b>	: Get medical attention if symptoms appear.	Product is sold ready to use.
<b>Inhalation</b>	: No special measures required. Treat symptomatically.	
<b>Ingestion</b>	: Get medical attention if symptoms occur.	

## 5. Fire-fighting measures

### Product AS SOLD

<b>Auto-ignition temperature</b>	: Not available.
<b>Flammable limits</b>	: Not available.
<b>Hazardous thermal decomposition products</b>	: Decomposition products may include the following materials: carbon dioxide carbon monoxide halogenated compounds metal oxide/oxides
<b>Special remarks on fire hazards</b>	: Not available.
<b>Special remarks on explosion hazards</b>	: Not available.
<b>Fire-fighting media and instructions</b>	: Use an extinguishing agent suitable for the surrounding fire.  Dyke area of fire to prevent runoff. In a fire or if heated, a pressure increase will occur and the container may burst.
<b>Special protective equipment for fire-fighters</b>	: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## 6. Accidental release measures

Product AS SOLD		Product AT USE DILUTION
<b>Personal precautions</b>	: No special measures required.	Product is sold ready to use.
<b>Environmental precautions</b>	: Avoid contact of large amounts of spilt material and runoff with soil and surface waterways.	
<b>Methods for cleaning up</b>	: Absorb with an inert material. Use a water rinse for final clean-up.	

## 7. Handling and storage

Product AS SOLD		Product AT USE DILUTION
<b>Handling</b>	: Wash hands after handling.	Product is sold ready to use.
<b>Storage</b>	: Keep out of reach of children. Store in a closed container.  Store between the following temperatures: 0 and 50°C	

## 8. Exposure controls/personal protection

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Product AS SOLD				Product AT USE DILUTION			
<b>Engineering measures</b> : No special ventilation requirements.				Product is sold ready to use.			
<b>Personal protection</b>				Product is sold ready to use.			
<b>Eyes</b> : No special protection is required.				Product is sold ready to use.			
<b>Hands</b> : No special protection is required.							
<b>Skin</b> : No special protection is required.							
<b>Respiratory</b> : No special protection is required.							

Occupational exposure limits		TWA (8 hours)			STEL (15 mins)			Ceiling			
Ingredient	List name	ppm	mg/m³	Other	ppm	mg/m³	Other	ppm	mg/m³	Other	Notations
ethanol	US ACGIH 3/2012 AB 4/2009 BC 4/2012 ON 7/2010 QC 9/2011	- 1000 - - 1000	- 1880 - - 1880	- - - - -	1000 - 1000 - -	- - - - -	- - - - -	- - - - -	- - - - -		
glycerin	US ACGIH 3/2012 AB 4/2009 BC 4/2012 ON 7/2010 QC 9/2011	- - - - -	10 10 10 3 10	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	[3] [a] [a] [b] [c] [d]	

[3]Skin sensitisation

Form: [a]Mist [b]Respirable mist [c]Inhalable fraction [d]mist

## 9. Physical and chemical properties

Product AS SOLD		Product AT USE DILUTION	
<b>Physical state</b> : Liquid.		Product is sold ready to use.	
<b>Flash point</b> : Not applicable. Product does not support combustion.			
<b>Colour</b> : pink [Light]			
<b>Odour</b> : Floral			
<b>pH</b> : 6 to 8 [Conc. (% w/w): 100%]			
<b>Boiling/condensation point</b> : >100°C (>212°F)			

<b>Melting/freezing point</b>	: Not available.
<b>Relative density</b>	: 1.028 to 1.048
<b>Vapour pressure</b>	: Not available.
<b>Vapour density</b>	: Not available.
<b>Odour threshold</b>	: Not available.
<b>Evaporation rate</b>	: Not available.
<b>Viscosity</b>	: Not available.
<b>Dispersibility properties</b>	: Not available.
<b>Solubility</b>	: Easily soluble in the following materials: cold water and hot water.
<b>LogK<sub>ow</sub></b>	: Not available.

## 10. Stability and reactivity

### Product AS SOLD

**Stability** : The product is stable. Under normal conditions of storage and use, hazardous polymerisation will not occur.

**Conditions of instability** : Not available.

**Reactivity** : Not available.

**Hazardous decomposition products** : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

**Hazardous polymerisation** : Under normal conditions of storage and use, hazardous polymerisation will not occur.

## 11. Toxicological information

### Potential acute health effects

#### Product AS SOLD

**Eyes** : May cause mild eye irritation.

**Skin** : No known significant effects or critical hazards.

**Inhalation** : No known significant effects or critical hazards.

**Ingestion** : No known significant effects or critical hazards.

#### Product AT USE DILUTION

Product is sold ready to use.

### Product AS SOLD

### Potential chronic health effects

**Carcinogenic effects** : No known significant effects or critical hazards.

**Mutagenic effects** : No known significant effects or critical hazards.

**Teratogenic effects** : No known significant effects or critical hazards.

**Reproductive effects** : No known significant effects or critical hazards.

**Sensitization to Product** : No known significant effects or critical hazards.

**Synergistic products (toxicologically)** : Not available.

### Toxicity data

Product/ingredient name	Test	Route	Result	Species
poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-hydroxy-, c10-16-alkyl ethers, sodium salts	LD50	Dermal	>2000 mg/kg	Rat
1-propanaminium, 3-amino-n-(carboxymethyl)-n,n-dimethyl-, n-coco acyl derivs., inner salts	LD50	Oral	>2500 mg/kg	Rat
ethanol	LD50	Oral	2600 mg/kg	Rat
	LD50	Inhalation	15800 mg/kg	Rabbit
	LC50	Dermal	10470 mg/kg	Rat
sulfuric acid, mono-c10-16-alkyl esters, sodium salts	LD50	Oral	117 mg/l	Rat
glycerin	LD50	Dermal	>5000 mg/kg	Rat
	LD50	Oral	2175 mg/kg	Rat
	LD50	Dermal	23000 mg/kg	Rabbit
	LD50	Oral	18300 mg/kg	Rat

### Other adverse effects

**Target organs** : There is no known chronic effect after exposure to this product.

## 12. Ecological information

Ecotoxicity : Not reported

## 13. Disposal considerations

**Product AS SOLD**  
**Waste disposal** : Diluted product can be flushed to sanitary sewer.  
 Discard empty container in trash.

**Product AT USE DILUTION**  
 Product is sold ready to use.

## 14. Transport information

Certain shipping modes or package sizes may have exceptions from the transport regulations. The classification provided may not reflect those exceptions and may not apply to all shipping modes or package sizes.

Product AS SOLD

TDG

TDG Classification Not regulated.

IMO/IMDG

IMO/IMDG Classification Not regulated.

For transport in bulk, see shipping documents for specific transportation information.

## 15. Regulatory information

**Product AS SOLD**  
**WHMIS** : Not controlled under WHMIS.  
 Notified cosmetic under Food & Drugs Act

**Product AT USE DILUTION**

Product is sold ready to use.

**Canada inventory** : Not determined.

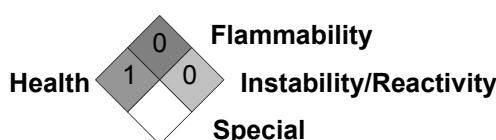
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

## 16. Other information

**Product AS SOLD**  
**Hazardous Material** :  
**Information System (U.S.A.)**

Health	1
Flammability	0
Physical hazards	0

**National Fire Protection** :  
**Association (U.S.A.)**



Date of issue : 06-February-2013

## 16. Other information

Responsible name : Regulatory Affairs  
1-800-352-5326

☒ Indicates information that has changed from previously issued version.

### Notice to reader

The above information is believed to be correct with respect to the formula used to manufacture the product in the country of origin. As data, standards, and regulations change, and conditions of use and handling are beyond our control, NO WARRANTY, EXPRESS OR IMPLIED, IS MADE AS TO THE COMPLETENESS OR CONTINUING ACCURACY OF THIS INFORMATION.