

SAFETY DATA SHEET



CLEAN & SMOOTH

Section 1. Chemical product and company identification

Product name : CLEAN & SMOOTH
Recommended use and restrictions : Skin Cleaner
Use only for the purpose on the product label.

Product dilution information : Not applicable

Supplier's information : Ecolab Inc. Institutional Division
370 N. Wabasha Street
St. Paul, MN 55102
1-800-352-5326

Code : 913996

Date of issue : 02 Dec 2013

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

Section 2. Hazards identification

GHS Classification : **Product AS SOLD**
SERIOUS EYE DAMAGE/ EYE IRRITATION -
Category 2B

GHS label elements

Signal word : CAUTION

Hazard statements : Causes eye irritation.

Precautionary statements

Prevention : No special protection is required.

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 attention.

Storage : No other specific measures identified.

Disposal : See section 13 for waste disposal information.

Other hazards : None known.

Product AT USE DILUTION

Product is sold ready to use.

Section 3. Composition/information on ingredients

Substance/mixture : Mixture

Product AS SOLD

Hazardous ingredients	Concentration Range (%)	CAS number
sulfuric acid, mono-c10-16-alkyl esters, sodium salts	1 - 5	68585-47-7
LAURYL POLYGLUCOSE	1 - 5	110615-47-9
SODIUM CHLORIDE	1 - 5	7647-14-5
Fragrance.	<1	Mixture

Section 3. Composition/information on ingredients

Product AT USE DILUTION

Hazardous ingredients	Concentration Range (%)	CAS number
Product is sold ready to use.		

Section 4. First aid measures

	Product AS SOLD	Product AT USE DILUTION
Eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Rinse with water for a few minutes.	Product is sold ready to use.
Skin contact	: Get medical attention if symptoms appear.	
Inhalation	: No special measures required. Treat symptomatically.	
Ingestion	: Get medical attention if symptoms occur.	
Protection of first-aiders	: No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.	
Notes to physician	: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.	

See toxicological information (section 11)

Section 5. Fire-fighting measures

Product AS SOLD

Suitable fire extinguishing media	: Use water spray, fog or foam.
Specific hazards arising from the chemical	: In a fire or if heated, a pressure increase will occur and the container may burst.
Hazardous thermal decomposition products	: Decomposition products may include the following materials: carbon dioxide carbon monoxide halogenated compounds metal oxide/oxides
Specific fire-fighting methods	: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
Special protective equipment for fire-fighters	: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

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

Section 7. Handling and storage

Product AS SOLD

Handling : Wash hands after handling.

Storage : Keep out of reach of children. Keep container tightly closed.

Store between the following temperatures: 5 and 45°C

Product AT USE DILUTION
Product is sold ready to use.

Section 8. Exposure controls/personal protection

Control parameters

Ingredient name	Exposure limits
None.	

Product AS SOLD

Appropriate engineering controls : No special ventilation requirements.

Personal protection

Eye protection : No special protection is required.

Hand protection : No special protection is required.

Skin protection : No special protection is required.

Respiratory protection : No special protection is required.

Hygiene measures : No special measures required.

Product AT USE DILUTION
Product is sold ready to use.

Section 9. Physical and chemical properties

Product AS SOLD

Physical state : Liquid.

Color : White

Odor : Sweetish

pH : 6.5 to 0 (100%)

Flash point : > 100°C

Explosion limits : Not available.

Flammability (solid, gas) : Not available.

Melting point : Not available.

Boiling point : Not available.

Evaporation rate (butyl acetate = 1) : Not available.

Vapor pressure : Not available.

Vapor density : Not available.

Relative density : 1.025 (Water = 1)

Solubility : Not available.

Partition coefficient: n-octanol/water : Not available.

Auto-ignition temperature : Not available.

Decomposition temperature : Not available.

Odor threshold : Not available.

Product AT USE DILUTION
Product is sold ready to use.

Section 9. Physical and chemical properties

Viscosity : Kinematic (room temperature): 0 cm²/s (0 cSt)

Section 10. Stability and reactivity

Product AS SOLD

- Stability** : The product is stable.
- Possibility of hazardous reactions** : Under normal conditions of storage and use, hazardous reactions will not occur.
- Conditions to avoid** : No specific data.
- Materials to avoid** : Not available.
- Hazardous decomposition products** : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Route of exposure : Skin contact, Eye contact, Inhalation, Ingestion

Product AS SOLD

Symptoms

- Eye contact** : Adverse symptoms may include the following:
irritation
watering
redness
- Skin contact** : No specific data.
- Inhalation** : No specific data.
- Ingestion** : No specific data.

Acute toxicity

- Eye contact** : Causes eye irritation.
- Skin contact** : No known significant effects or critical hazards.
- Inhalation** : No known significant effects or critical hazards.
- Ingestion** : No known significant effects or critical hazards.

Toxicity data

Product/ingredient name

sulfuric acid, mono-c10-16-alkyl esters, sodium salts	LD50 Dermal	Rat	>500 mg/kg
d-glucopyranose, oligomeric, c10-16-alkyl glycosides	LD50 Oral	Rat	2175 mg/kg
	LD50 Dermal	Rabbit	>2000 mg/kg
sodium chloride	LD50 Oral	Rat	>2000 mg/kg
	LC50 Inhalation	Rat	>10.5 mg/l
	Dusts and mists LD50 Dermal	Rabbit	>10000 mg/kg
	LD50 Oral	Rat	3000 mg/kg

Product AT USE DILUTION

Product is sold ready to use.

Chronic toxicity

- Carcinogenicity** : No known significant effects or critical hazards.
- Mutagenicity** : No known significant effects or critical hazards.
- Teratogenicity** : No known significant effects or critical hazards.
- Developmental effects** : No known significant effects or critical hazards.
- Fertility effects** : No known significant effects or critical hazards.

Section 12. Ecological information

Product AS SOLD

Ecotoxicity : No known significant effects or critical hazards.

Aquatic and terrestrial toxicity

Product/ingredient name	Result	Species	Exposure
sulfuric acid, mono-c10-16-alkyl esters, sodium salts	Acute EC50 1.37 mg/l	Daphnia	48 hours
d-glucopyranose, oligomeric, c10-16-alkyl glycosides	Acute LC50 5 mg/l	Fish	96 hours
sodium chloride	Acute LC50 5840 mg/l	Fish	96 hours

Other adverse effects : No known significant effects or critical hazards.

Section 13. Disposal considerations

Disposal methods : Diluted product can be flushed to sanitary sewer. Discard empty container in trash.

Product AS SOLD

Product AT USE DILUTION

Product is sold ready to use.

Section 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.

DOT

DOT Classification : Not regulated.

IMO/IMDG

IMO/IMDG Classification : Not regulated.

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

Product AT USE DILUTION

Not intended for transport.

Section 15. Regulatory information

Product AS SOLD

U.S. Federal regulations

TSCA 8(b) inventory : All components are listed or exempted.

SARA 302/304/311/312 extremely hazardous substances: No listed substance

SARA 302/304 emergency planning and notification: No listed substance

<u>SARA 313</u>	<u>Product name</u>	<u>CAS number</u>	<u>Concentration</u>
Form R - Reporting requirements	: No listed substance		

California Prop. 65 : No listed substance

Section 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.) :



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 1-800-352-5326

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.**