

Material Safety Data Sheet



AIRKEM EASY SCRUB

Section 1. Chemical product and company identification

Trade name : AIRKEM EASY SCRUB
Product use : Cleaning product
Supplier : Ecolab Inc.
370 N. Wabasha St.
St. Paul, MN 55102
1-800-352-5326
Code : 975102
Date of issue : 22-April-2008
EPA Registration No. : 8155-8-42964

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

Section 2. Composition, information on ingredients

<u>Name</u>	<u>CAS number</u>	<u>% by weight</u>
dodecylbenzenesulfonic acid	27176-87-0	8
silica, crystalline - quartz	14808-60-7	20 - 50
poly(oxy-1,2-ethanediyl), .alpha.-(nonylphenyl)-.omega.-hydroxy-	9016-45-9	5 - 20
quaternary ammonium compounds, benzyl-c12-18-alkyldimethyl, chlorides	68391-01-5	0.026
quaternary ammonium compounds, c12-18-alkyl[(ethylphenyl)methyl]dimethyl, chlorides	68956-79-6	0.026

Section 3. Hazards identification

Physical state : Liquid. [Liquid.]
Emergency overview : WARNING !
CAUSES EYE AND SKIN IRRITATION.
HARMFUL IF SWALLOWED.
Irritating to mouth, throat and stomach.
Do not ingest. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.

Potential acute health effects

Eyes : Irritating to eyes.
Skin : Irritating to skin.
Inhalation : Slightly irritating to the respiratory system.
Ingestion : Irritating to mouth, throat and stomach.

See toxicological information (section 11)

Section 4. First aid measures

Eye contact : In case of contact, immediately flush eyes with cool running water. Remove contact lenses and continue flushing with plenty of water for at least 15 minutes. Get medical attention if irritation persists.

Skin contact : In case of contact, immediately flush skin with plenty of water. Continue to rinse for at least 10 minutes. Remove contaminated clothing and shoes. Get medical attention if irritation persists. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Inhalation : If inhaled, remove to fresh air.

Ingestion : If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.

Section 5. Fire fighting measures

Flash point	: 93.3333 °C (Closed cup)
Hazardous thermal decomposition products	: Decomposition products may include the following materials: carbon oxides sulfur oxides metal oxide/oxides
Fire-fighting media and instructions	: Use an extinguishing agent suitable for the surrounding fire. Dike area of fire to prevent runoff. In a fire or if heated, a pressure increase will occur and the container may burst.
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

Personal precautions	: Use suitable protective equipment (section 8). Do not allow to enter drains or watercourses.
Environmental precautions	: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
Methods for cleaning up	: For small spills, add absorbent (soil may be used in the absence of other suitable materials), scoop up material and place in a sealable, liquid-proof container for disposal. For large spills, dike spilled material or otherwise contain it to ensure runoff does not reach a waterway. Place spilled material in an appropriate container for disposal.

Section 7. Handling and storage

Handling	: Do not ingest. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.
Storage	: Keep out of reach of children. Keep container in a cool, well-ventilated area. Keep container tightly closed. Store between the following temperatures: 0 and 50°C

Section 8. Exposure controls, personal protection

Engineering measures : No special ventilation requirements.

Personal protection :

Eyes	: Wear eye protection.
Hands	: Use chemical-resistant, impervious gloves.
Skin	: No protective equipment is needed under normal use conditions.
Respiratory	: A respirator is not needed under normal and intended conditions of product use.

Name

silica, crystalline - quartz

Exposure limits

ACGIH TLV (United States, 1/2007).

TWA: 0.025 mg/m³ 8 hour(s). Form: Respirable fraction

OSHA PEL Z3 (United States, 9/2005).

TWA: 10 mg/m³ 8 hour(s). Form: Respirable

TWA: 30 mg/m³ 8 hour(s). Form: Total dust.

TWA: 250 mppcf 8 hour(s). Form: Respirable

Section 9. Physical and chemical properties

Physical state	: Liquid. [Liquid.]
Color	: White.
Odor	: Fragrance-like.
pH	: 1.7 Conc. (% w/w): 100%
Boiling/condensation point	: 100°C (212°F)
Specific gravity	: 1.25

Section 10. Stability and reactivity

- Stability** : The product is stable. Under normal conditions of storage and use, hazardous polymerization will not occur.
- Reactivity** : Reactive with metals, alkalis.
- Hazardous decomposition products** : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Potential acute health effects

- Eyes** : Irritating to eyes.
- Skin** : Irritating to skin.
- Inhalation** : Slightly irritating to the respiratory system.
- Ingestion** : Irritating to mouth, throat and stomach.

Potential chronic health effects

- Target organs** : Contains material which may cause damage to the following organs: lungs, upper respiratory tract, eye, lens or cornea, stomach.

Carcinogenic effects

<u>Ingredient name</u>	<u>IARC</u>	<u>NTP</u>	<u>OSHA</u>
silica, crystalline - quartz	1	Proven.	-

Section 12. Ecological information

Section 13. Disposal considerations

- Waste disposal** : The generation of waste should be avoided or minimized wherever possible. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

- Waste classification** : Unused product is D002 (Corrosive)

Consult your local or regional authorities.

Section 14. Transport information

Regulatory information	UN number	Proper shipping name	Class	Packing group	Additional information
DOT Classification	Not regulated.	-	-	-	Not available.

APPLIES ONLY DURING ROAD TRANSPORT

Any variation of the shipping description based on the packaging is not addressed.

Section 15. Regulatory information

HCS Classification	: Corrosive material Carcinogen Target organ effects
U.S. Federal regulations	: United States inventory (TSCA 8b): All components are listed or exempted. SARA 302/304/311/312 extremely hazardous substances: No products were found. SARA 302/304 emergency planning and notification: No products were found.
California Prop. 65	: WARNING: This product contains a chemical known to the State of California to cause cancer.
EPA Registration No.	: 8155-8-42964

Section 16. Other information

Hazardous Material Information System (U.S.A.) :	Health	*	2
	Flammability		0
	Physical hazards		0

Date of issue : 22-April-2008.
Responsible name : Regulatory Affairs
Date of previous issue : 09-January-2006.

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.