

# Material Safety Data Sheet

**ECOLAB**

LEMON-EZE

## Section 1. Chemical product and company identification

Trade name : LEMON-EZE  
Product use : Cleaning product  
Supplier : Ecolab Inc. Institutional Division  
370 N. Wabasha Street  
St. Paul, MN 55102  
1-800-352-5326  
Code : 904789  
Date of issue : 18-May-2007

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	6
silica, crystalline - quartz (NO Respirable dust)	14808-60-7	20 - 50
poly(oxy-1,2-ethanediyl), .alpha.-(nonylphenyl)-.omega.-hydroxy-	9016-45-9	5 - 20

## Section 3. Hazards identification

Physical state : Liquid. [slurry]  
Emergency overview : WARNING!

CAUSES EYE AND SKIN IRRITATION.  
Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.

### Potential acute health effects

Eyes : Irritating to eyes.  
Skin : Irritating to skin.  
Inhalation : No known significant effects or critical hazards.  
Ingestion : No known significant effects or critical hazards.

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.  
Skin contact : Flush contaminated skin with plenty of water. Continue to rinse for at least 10 minutes. Get medical attention if irritation persists. Remove contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse.  
Inhalation : If inhaled, remove to fresh air.  
Ingestion : Do not induce vomiting. Never give anything by mouth to an unconscious person. If irritation persists, get medical attention.

## Section 5. Fire fighting measures

Flash point : > 100°C  
Product does not support combustion.  
Fire-fighting media and instructions : Use an extinguishing agent suitable for the surrounding fire.  
Dike liquid for later disposal.  
No specific hazard.  
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** : Ventilate area of leak or spill. Do not touch damaged containers or spilled material unless wearing appropriate protective equipment (Section 8). Stop leak if without risk. 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** : If emergency personnel are unavailable, contain spilled material. 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 material to ensure runoff does not reach a waterway. Place spilled material in an appropriate container for disposal.

## Section 7. Handling and storage

- Handling** : Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.
- Storage** : Keep out of the reach of children. Keep container tightly closed. Keep container in a cool, well-ventilated area.  
Store between the following temperatures: 0 and 50°C

## Section 8. Exposure controls, personal protection

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

### Personal protection :

- Eyes** : Wear eye protection.
- Hands** : For prolonged or repeated handling, use the following type of gloves: 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, 1/2006).

TWA: 0.025 mg/m<sup>3</sup> 8 hour(s). Form: Respirable fraction

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

TWA: 10 mg/m<sup>3</sup> 8 hour(s). Form: Respirable

TWA: 30 mg/m<sup>3</sup> 8 hour(s). Form: Total dust.

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

## Section 9. Physical and chemical properties

- Physical state** : Liquid. [slurry]
- Color** : White. [Light]
- Odor** : citrus
- pH** : 1.4 to 2 [Conc. (% w/w): 100%]
- Boiling/condensation point** : >100°C (>212°F)
- Specific gravity** : 1.25
- Solubility** : Insoluble in cold water, hot water.

## Section 10. Stability and reactivity

- Stability** : The product is stable.
- Reactivity** : Reactive with metals, alkalis.

## Section 11. Toxicological information

### Potential acute health effects

- Eyes : Irritating to eyes.
- Skin : Irritating to skin.
- Inhalation : No known significant effects or critical hazards.
- Ingestion : No known significant effects or critical hazards.

### Potential chronic health effects

- Chronic effects on humans : There is no known chronic effect after exposure to this product.

## 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.

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 : Irritating material
- U.S. Federal regulations : SARA 302/304/311/312 extremely hazardous substances: No products were found.  
SARA 302/304 emergency planning and notification: No products were found.
- TSCA 8(b) inventory : All materials are listed or exempt.
- California Prop. 65 : No products were found.

## Section 16. Other information

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

- Date of issue : 18-May-2007.
- Responsible name : Regulatory Affairs
- Date of previous issue : 15-January-2007.

### 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.