

Material Safety Data Sheet

ECOLAB

MEDI-SCRUB

Section 1. Chemical product and company identification

Trade name : MEDI-SCRUB
Product use : Hand disinfectant
Supplier : Ecolab Inc. Healthcare Division
 370 N. Wabasha St.
 St. Paul, MN 55102
 1-800-332-6522
Code : 920884
Date of issue : 10-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> |
|---|-------------------|--------------------|
| octadecanoic acid, 2-hydroxyethyl ester | 111-60-4 | 1 - 5 |
| octadecanoic acid, potassium salt | 593-29-3 | 1 - 5 |
| glycerin | 56-81-5 | 1 - 5 |

Section 3. Hazards identification

Physical state : Liquid. [Liquid.]
Emergency overview : CAUTION!

MAY CAUSE EYE IRRITATION.
 Avoid contact with eyes.

Potential acute health effects

Eyes : Slightly irritating to the eyes.
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)

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 occurs.
Skin contact : Get medical attention if symptoms appear. Wash clothing 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
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.
- Storage** : Keep out of the reach of children. Keep container tightly closed. Keep container in a cool, well-ventilated area.
Do not store above the following temperature: 30°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** : No protective equipment is needed under normal use conditions.
- Hands** : No protective equipment is needed under normal use conditions.
- Skin** : No protective equipment is needed under normal use conditions.
- Respiratory** : No protective equipment is needed under normal use conditions.

| <u>Name</u> | <u>Exposure limits</u> |
|---|---|
| octadecanoic acid, 2-hydroxyethyl ester | ACGIH TLV (United States, 1/2006). TWA: 10 mg/m ³ 8 hour(s). |
| octadecanoic acid, potassium salt | ACGIH TLV (United States, 1/2006). TWA: 10 mg/m ³ 8 hour(s). |
| glycerin | ACGIH TLV (United States, 1/2006). TWA: 10 mg/m ³ 8 hour(s). Form: Mist OSHA PEL (United States, 11/2006). TWA: 5 mg/m ³ 8 hour(s). Form: Respirable fraction TWA: 15 mg/m ³ 8 hour(s). Form: Total dust |

Section 9. Physical and chemical properties

- Physical state** : Liquid. [Liquid.]
- Color** : pink
- Odor** : Floral.
- pH** : 8.4 to 9.2 [Conc. (% w/w): 100%]
- Specific gravity** : 1.01 to 1.03

Section 10. Stability and reactivity

- Stability** : The product is stable.
- Reactivity** : Slightly reactive to reactive with acids.

Section 11. Toxicological information

Potential acute health effects

- Eyes : Slightly irritating to the eyes.
- Skin : No known significant effects or critical hazards.
- 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.

- Waste classification : Unused product is D001 (Ignitable)

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 : Not regulated.
- 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 | 1 |
| Flammability | 0 |
| Physical hazards | 0 |

Date of issue : 10-May-2007.

Responsible name : Regulatory Affairs

Date of previous issue : 11-May-2006.

Notice to reader

Section 16. Other information

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.