

# Material Safety Data Sheet



ENDURE 250 FOAMING HEALTHCARE PERSONNEL HAND WASH

## Section 1. Chemical product and company identification

**Trade name** : ENDURE 250 FOAMING HEALTHCARE PERSONNEL HAND WASH  
**Product use** : Skin antiseptic  
**Supplier** : Ecolab Healthcare Division  
370 Wabasha Street N  
St. Paul MN 55102  
5105 Tomken Road  
Mississauga ON L4W 2X5  
1-800-352-5326  
**Code** : 901556  
**Date of issue** : 18-August-2005

**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>
propylene glycol	57-55-6	7 - 13
fatty acids, coco, potassium salts	61789-30-8	7 - 13
glycerin	56-81-5	5- 10
triclosan	3380-34-5	0.5 - 1.5
boric acid	10043-35-3	0.1 - 1

## Section 3. Hazards identification

**Physical state** : Liquid. (Liquid.)  
**Emergency overview** : CAUTION!  
MAY CAUSE EYE IRRITATION.  
Avoid contact with eyes.  
**Routes of entry** : Skin contact, Eye contact, Inhalation, Ingestion

### 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 plenty of water. Remove contact lenses and flush again. Get medical attention if irritation occurs.  
**Skin Contact** : Flush contaminated skin with a copious amount of water. Wash clothing before reuse.  
**Inhalation** : If inhaled, remove to fresh air.  
**Ingestion** : Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately.

## Section 5. Fire fighting measures

**Auto-ignition temperature** : Not available.  
**Flash point** : > 100°C  
**Flammable limits**  
**Upper:** Not available.  
**Lower:** Not available.  
**Products of combustion** : These products are halogenated compounds, hydrogen chloride.

- Fire hazards in presence of various substances** : Because of the large amount of water contained in the product, the product might be combustible only after partial or complete evaporation.
- Fire-fighting media and instructions** : Use an extinguishing agent suitable for surrounding fires.  
Dike area of fire to prevent product run-off.  
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.
- Risks of explosion of the product in presence of mechanical impact: Not available.
- Risks of explosion of the product in presence of static discharge: Not available.

## 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. Prevent entry into sewers, water courses, basements or confined areas.
- Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
- 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 sealed, 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** : Wash thoroughly after handling.
- Storage** : Keep out of the reach of children. Keep container tightly closed. Keep container in a cool, well-ventilated area.  
Do not store below 20°C

## Section 8. Exposure Controls, Personal Protection

- Engineering controls** : Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapours below their respective occupational exposure limits.
- 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.

Name  
glycerin

### Exposure limits

**ACGIH TLV (United States, 1/2004). Notes: Inhalable fraction. See Appendix C, paragraph A. Inhalable Particulate Mass TLVs (IPM-TLVs) for those materials that are hazardous when deposited anywhere in the respiratory tract.**

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

## Section 9. Physical and chemical properties

- Physical state** : Liquid. (Liquid.)
- Colour** : Green.
- Odour** : Fragrance-like.
- pH** : 8.9 (100%)
- Boiling/condensation point** : >100 °C
- Melting/freezing point** : Not available.
- Specific gravity** : 1.03 (Water = 1)
- Vapour pressure** : Not applicable.
- Vapour density** : Not available.
- Odour threshold** : Not available.
- Evaporation rate** : Not available.

LogK<sub>ow</sub> : Not available.

## Section 10. Stability and reactivity

**Stability** : The product is stable.

**Conditions of instability** : Not available.

**Incompatibility with various substances** : Not available.

**Hazardous Decomposition Products** : These products are halogenated compounds, hydrogen chloride.

## 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.

**Irritancy of Product** : No known significant effects or critical hazards.

### Potential chronic health effects

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

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

**Teratogenic effects** : Hazardous by WHMIS criteria.

**Reproductive effects** : Hazardous by WHMIS criteria.

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

**Synergistic Products (Toxicologically)** : Not available.

### Toxicity data

<u>Ingredient name</u>	<u>Test</u>	<u>Result</u>	<u>Route</u>	<u>Species</u>
propylene glycol	LD50	18500 mg/kg	Oral	Rabbit
	LD50	>2080 mg/kg	Oral	quail
	LD50	18350 mg/kg	Oral	Guinea pig
	LD50	20800 mg/kg	Dermal	Rabbit
triclosan	LD50	3700 mg/kg	Oral	Rat
	LD50	4530 mg/kg	Oral	Mouse
	LD50	9300 mg/kg	Dermal	Rabbit
boric acid	LD50	2660 mg/kg	Oral	Rat
	LD50	3450 mg/kg	Oral	Mouse
	LDLo	200 mg/kg	Oral	woman
	LDLo	429 mg/kg	Oral	man
	LDLo	934 mg/kg	Oral	infant
	LDLo	1200 mg/kg	Dermal	infant
	LDLo	1500 mg/kg	Dermal	child
	LDLo	2430 mg/kg	Dermal	man

**Target organs** : Contains material which causes damage to the following organs: kidneys, upper respiratory tract, skin, eye, lens or cornea.

## Section 12. Ecological information

### Ecotoxicity data

<u>Ingredient name</u>	<u>Species</u>	<u>Period</u>	<u>Result</u>
propylene glycol	Daphnia magna (EC50)	48 hour(s)	>10000 mg/l
	Pimephales promelas (LC50)	96 hour(s)	710 mg/l
	Pimephales promelas (LC50)	96 hour(s)	55770 mg/l
	Pimephales promelas (LC50)	96 hour(s)	>62000 mg/l
triclosan	Daphnia magna (EC50)	48 hour(s)	0.39 mg/l
	Pimephales promelas (LC50)	96 hour(s)	0.25 mg/l
	Oncorhynchus mykiss (LC50)	96 hour(s)	0.288 mg/l
boric acid	Pimephales promelas (LC50)	96 hour(s)	0.36 mg/l
	Daphnia magna (EC50)	48 hour(s)	133 mg/l

Daphnia magna (EC50)	48 hour(s)	226 mg/l
Daphnia magna (EC50)	48 hour(s)	777 mg/l
Oncorhynchus mykiss (LC50)	96 hour(s)	>800 mg/l
Lepomis macrochirus (LC50)	96 hour(s)	>1021 mg/l
Oncorhynchus mykiss (LC50)	96 hour(s)	>1100 mg/l

**Products of degradation** : These products are carbon oxides (CO, CO<sub>2</sub>) and water, halogenated compounds. Some metallic oxides.

## Section 13. Disposal considerations

**Waste disposal** : The generation of waste should be avoided or minimised 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
TDG Classification	Not regulated.	-	-	-	-

### APPLIES ONLY DURING ROAD TRANSPORT

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

## Section 15. Regulatory information

**WHMIS** : Not a WHMIS controlled material.  
DIN 02240389

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*.

## Section 16. Other information

**Date of issue** : 18-August-2005.  
**Responsible name** : Regulatory Affairs  
**Date of previous issue** : 13-July-2005.

### 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.