

Material Safety Data Sheet



ENDURE 320 ADVANCED CARE

Section 1. Chemical product and company identification

Trade name : ENDURE 320 ADVANCED CARE
Product use : Skin antiseptic
Supplier : Ecolab Inc. Healthcare Division
370 N. Wabasha St.
St. Paul, MN 55102
1-800-332-6522
Code : 900793
Date of issue : 19-June-2008

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>
ethanol	64-17-5	>50

Section 3. Hazards identification

Physical state : Liquid. [Gel]
Emergency : WARNING !
overview : FLAMMABLE LIQUID AND VAPOR.
May cause mild eye irritation.
Avoid contact with eyes. Keep away from heat, sparks and flame.

Potential acute health effects

Eyes : May cause mild eye irritation.
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 persists.
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 : 23.333 °C (Closed cup)
Hazardous thermal decomposition products : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
Fire-fighting media and instructions : Use an extinguishing agent suitable for the surrounding fire.
Dike area of fire to prevent runoff.
Flammable material
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** : No special measures required.
- Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
- 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.

Section 7. Handling and storage

- Handling** : Keep away from heat, sparks and flame. To avoid fire, eliminate ignition sources. Wash hands after handling.
- Storage** : Keep out of reach of children. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame).
Do not store above the following temperature: 30°C

Section 8. Exposure controls/personal protection

Engineering measures : No special ventilation requirements.

Personal protection :

- Eyes** : No special protection is required.
- Hands** : No special protection is required.
- Skin** : No special protection is required.
- Respiratory** : No special protection is required.

Name

ethanol

Exposure limits

ACGIH TLV (United States, 1/2007).

TWA: 1880 mg/m³ 8 hour(s).

TWA: 1000 ppm 8 hour(s).

OSHA PEL (United States, 11/2006).

TWA: 1900 mg/m³ 8 hour(s).

TWA: 1000 ppm 8 hour(s).

Section 9. Physical and chemical properties

- Physical state** : Liquid. [Gel]
- Color** : White.
- Odor** : Alcohol-like.
- pH** : 6.3 to 8.5 [Conc. (% w/w): 100%]
- Relative density** : 0.869 to 0.873

Section 10. Stability and reactivity

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

Section 11. Toxicological information

Potential acute health effects

- Eyes** : May cause mild eye irritation.
- 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

Target organs : 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

See shipping documents for specific transportation information.

Section 15. Regulatory information

HCS Classification : Flammable liquid

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

California Prop. 65 : No products were found.

Section 16. Other information

Hazardous Material Information System (U.S.A.) :	Health	*	1
	Flammability		3
	Physical hazards		0

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Responsible name : Regulatory Affairs

Date of previous issue : 19-June-2008.

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.