

Section 1. Chemical product and company identification

Product name : ENDURE 420 CIDA-STAT FOAM
Recommended use and restrictions : Skin antiseptic
 Use only for the purpose on the product label.

Product dilution information : Not applicable

Supplier's information : Ecolab Inc. Healthcare Division
 370 N. Wabasha St.
 St. Paul, MN 55102
 1-866-781-8787

Code : 920893-04

Date of issue : **26 Sep 2013**
 EMERGENCY HEALTH INFORMATION: 1-800-328-0026
 Outside United States and Canada CALL 1-651-222-5352 (in USA)

Section 2. Hazards identification

GHS Classification : **Product AS SOLD**
 : FLAMMABLE LIQUIDS - Category 3
 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A
 SKIN SENSITIZATION - Category 1
 CARCINOGENICITY - Category 2

GHS label elements

Signal word : Warning

Symbol :

Hazard statements : Flammable liquid and vapor.
 Causes serious eye irritation.
 May cause an allergic skin reaction.
 Suspected of causing cancer.

Precautionary statements

Prevention : Use personal protective equipment as required.
 Wear eye or face protection. Keep away from heat, sparks and hot surfaces. - No smoking.
 Keep container tightly closed. Avoid breathing vapor. Contaminated work clothing should not be allowed out of the workplace.

Response : IF exposed or concerned: Get medical attention. IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists:

Product AT USE DILUTION

Product is sold ready to use.

Section 2. Hazards identification

Get medical attention.

Storage : Store in a well-ventilated place. Keep cool.

Disposal : See section 13 for waste disposal information.

Other hazards : None known.

Section 3. Composition/information on ingredients

Substance/mixture : Mixture

Product AS SOLD

Hazardous ingredients	Concentration Range (%)	CAS number
2,2'-iminodiethanol	<0.5	111-42-2
Chlorhexidine gluconate solution	2	18472-51-0
COCAMINE OXIDE	1 - 5	61788-90-7
ISOPROPYL ALCOHOL	1 - 5	67-63-0
COCAMIDE DEA	1 - 5	68603-42-9

Product AT USE DILUTION

Hazardous ingredients	Concentration Range (%)	CAS number
Product is sold ready to use.		

Section 4. First aid measures

	Product AS SOLD	Product AT USE DILUTION
Eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Rinse with water for a few minutes.	Product is sold ready to use.
Skin contact	: If skin irritation or rash occurs: Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.	
Inhalation	: No special measures required. Treat symptomatically.	
Ingestion	: Get medical attention if symptoms occur.	
Protection of first-aiders	: No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.	
Notes to physician	: In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.	

See toxicological information (section 11)

Section 5. Fire-fighting measures

Product AS SOLD

Suitable fire extinguishing media : Use dry chemical, CO₂, water spray (fog) or foam.

Specific hazards arising from the chemical : Flammable liquid and vapor. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Runoff to sewer may create fire or explosion hazard.

Hazardous thermal decomposition products :

Section 5. Fire-fighting measures

Decomposition products may include the following materials:
 carbon dioxide
 carbon monoxide
 nitrogen oxides
 halogenated compounds

- Specific fire-fighting methods** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.
- 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

	Product AS SOLD	Product AT USE DILUTION
Personal precautions	: Eliminate all ignition sources. Use personal protective equipment as required. Do not touch or walk through spilled material.	Product is sold ready to use.
Environmental precautions	: Avoid contact of large amounts of spilled material and runoff with soil and surface waterways.	
Methods for cleaning up	: If emergency personnel are not present, contain and collect small spillages with non-combustible absorbent material, e.g. sand, earth or other suitable material and place in a suitable container for disposal. Use a water rinse for final clean-up.	

Section 7. Handling and storage

	Product AS SOLD	Product AT USE DILUTION
Handling	: Do not get in eyes. Do not breathe vapor or mist. Keep away from heat, sparks and flame. To avoid fire, eliminate ignition sources. Wash thoroughly after handling.	Product is sold ready to use.
Storage	: Keep out of reach of children. Keep container tightly closed and sealed until ready for use. Keep container in a cool, well-ventilated area. Avoid all possible sources of ignition (spark or flame). Store in a segregated and approved area. Store between the following temperatures: 0 and 30°C	

Section 8. Exposure controls/personal protection

Control parameters

Ingredient name	Exposure limits
ISOPROPYL ALCOHOL	ACGIH TLV (United States, 3/2012). STEL: 400 ppm 15 minutes. TWA: 200 ppm 8 hours. OSHA PEL (United States, 6/2010). TWA: 980 mg/m ³ 8 hours. TWA: 400 ppm 8 hours. NIOSH REL (United States, 6/2009). TWA: 400 ppm 10 hours. TWA: 980 mg/m ³ 10 hours.

Section 8. Exposure controls/personal protection

2,2'-iminodiethanol	STEL: 500 ppm 15 minutes. STEL: 1225 mg/m ³ 15 minutes. ACGIH TLV (United States, 3/2012). Absorbed through skin. TWA: 1 mg/m ³ 8 hours. Form: Inhalable fraction and vapor NIOSH REL (United States, 6/2009). TWA: 3 ppm 10 hours. TWA: 15 mg/m ³ 10 hours.
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<p>Appropriate engineering controls : No special ventilation requirements. Provide suitable facilities for quick drenching or flushing of the eyes and body in case of contact or splash hazard.</p> <p>Personal protection</p> <p>Eye protection : Wear eye protection.</p> <p>Hand protection : No protective equipment is needed under normal use conditions.</p> <p>Skin protection : No protective equipment is needed under normal use conditions.</p> <p>Respiratory protection : A respirator is not needed under normal and intended conditions of product use.</p> <p>Hygiene measures : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing.</p>	<p>Product AS SOLD</p>	<p>Product AT USE DILUTION</p> <p>Product is sold ready to use.</p>
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Section 9. Physical and chemical properties

<p>Physical state : Liquid.</p> <p>Color : Amber</p> <p>Odor : Floral</p> <p>pH : 6 to 7.5 (100%)</p> <p>Flash point : 48 °C (Closed cup)</p> <p>Explosion limits : Not available.</p> <p>Flammability (solid, gas) : Not available.</p> <p>Melting point : Not available.</p> <p>Boiling point : >100°C (>212°F)</p> <p>Evaporation rate (butyl acetate = 1) : Not available.</p> <p>Vapor pressure : Not available.</p> <p>Vapor density : Not available.</p> <p>Relative density : 1 (Water = 1)</p> <p>Solubility : Not available.</p> <p>Partition coefficient: n-octanol/water : Not available.</p> <p>Auto-ignition temperature : Not available.</p> <p>Decomposition temperature : Not available.</p>	<p>Product AS SOLD</p>	<p>Product AT USE DILUTION</p> <p>Product is sold ready to use.</p>
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Section 9. Physical and chemical properties

Odor threshold : Not available.

Viscosity : Not available.

Section 10. Stability and reactivity

Product AS SOLD

Stability : The product is stable.

Possibility of hazardous reactions : Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid : Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.

Materials to avoid : Not available.

Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Route of exposure : Skin contact, Eye contact, Inhalation, Ingestion

Product AS SOLD

Symptoms

Eye contact : Adverse symptoms may include the following:
pain or irritation
watering
redness

Skin contact : Adverse symptoms may include the following:
irritation
redness

Inhalation : No specific data.

Ingestion : No specific data.

Acute toxicity

Eye contact : Causes serious eye irritation.

Skin contact : May cause an allergic skin reaction. Do not use in the perineal or eyelid areas. Do not instill in the middle ear – may cause deafness if ear drum is perforated.

Inhalation : No known significant effects or critical hazards.

Ingestion : No known significant effects or critical hazards.

Toxicity data

Product/ingredient name

amines, coco alkyl dimethyl, n-oxides	LD50 Dermal	Rat	>2174 mg/kg
	LD50 Oral	Rat	846 mg/kg
propan-2-ol	LC50 Inhalation	Rat	30 mg/l
	Vapor		
d-gluconic acid, compd. with n,n"-bis (4-chlorophenyl)-3,12-diimino-2,4,11, 13-tetraazatetradecanediiimidamide (2:1)	LD50 Dermal	Rabbit	12870 mg/kg
	LD50 Oral	Rat	4710 mg/kg
	LD50 Oral	Rat	2040 mg/kg
amides, coco, n,n-bis(hydroxyethyl)	LD50 Dermal	Rat	>2000 mg/kg
	LD50 Oral	Rat	>5000 mg/kg
2,2'-iminodiethanol	LD50 Dermal	Rabbit	8180 mg/kg
	LD50 Oral	Rat	755 mg/kg

Product AT USE DILUTION

Product is sold ready to use.

Chronic toxicity

Carcinogenicity :

Section 11. Toxicological information

Suspected of causing cancer. Risk of cancer depends on duration and level of exposure.

Ingredient name	IARC	NTP	OSHA
COCAMIDE DEA	2b	-	-

Mutagenicity : No known significant effects or critical hazards.

Teratogenicity : No known significant effects or critical hazards.

Developmental effects : No known significant effects or critical hazards.

Fertility effects : No known significant effects or critical hazards.

Section 12. Ecological information

Product AS SOLD

Ecotoxicity : This material is very toxic to aquatic life with long lasting effects.

Aquatic and terrestrial toxicity

Product/ingredient name	Result	Species	Exposure
amines, coco alkyl dimethyl, n-oxides	Acute LC50 <1 mg/l	Fish	96 hours
propan-2-ol	Acute LC50 9640 mg/l	Fish	96 hours
d-gluconic acid, compd. with n,n"-bis (4-chlorophenyl)-3,12-diimino-2,4,11, 13-tetraazatetradecanediimidamide (2:1)	Acute EC50 0.05 to 0.1 mg/l	Daphnia	48 hours
	Acute IC50 0.011 mg/l	Algae	72 hours
	Acute LC50 10.4 mg/l	Fish	96 hours
amides, coco, n,n-bis(hydroxyethyl)	Acute LC50 3.6 mg/l	Fish	96 hours
2,2'-iminodiethanol	Acute EC50 65.5 mg/l	Daphnia	48 hours

Other adverse effects : No known significant effects or critical hazards.

Section 13. Disposal considerations

Product AS SOLD

Disposal methods : Avoid disposal. Attempt to use product completely in accordance with intended use. Disposal should be in accordance with applicable regional, national and local laws and regulations.

RCRA classification : Unused product is D001 (Ignitable)

Product AT USE DILUTION

Product is sold ready to use.

Section 14. Transport information

Certain shipping modes or package sizes may have exceptions from the transport regulations. The classification provided may not reflect those exceptions and may not apply to all shipping modes or package sizes.

DOT

DOT Classification : Not regulated.

IMO/IMDG

IMO/IMDG Classification : Not regulated.

For transport in bulk, see shipping documents for specific transportation information.

Product AT USE DILUTION

Not intended for transport.

Section 15. Regulatory information

Product AS SOLD

U.S. Federal regulations

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

SARA 302/304/311/312 extremely hazardous substances: No listed substance

SARA 302/304 emergency planning and notification: No listed substance

SARA 313 **Product name** **CAS number** **Concentration**

Form R - Reporting requirements : No listed substance

California Prop. 65 : WARNING: This product contains a chemical known to the State of California to cause cancer.

Section 16. Other information

Product AS SOLD

Hazardous Material Information System (U.S.A.) :

Health	*	3
Flammability		2
Physical hazards		0

National Fire Protection Association (U.S.A.) :



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 1-800-352-5326

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.