

# Material Safety Data Sheet

ENDURE 420 CIDA-STAT



## 1. Product and company identification

Trade name of product : ENDURE 420 CIDA-STAT

Product use : Hand disinfectant

Product dilution information : Not applicable

Supplier's information : Ecolab Healthcare Division  
370 Wabasha Street N  
St. Paul MN 55102  
5105 Tomken Road  
Mississauga ON L4W 2X5  
1-866-781-8787

Code : 920995-09

Date of issue : 11-February-2013

**EMERGENCY HEALTH INFORMATION: 1-800-328-0026**

**Outside United States and Canada CALL 1-651-222-5352 (in USA)**

## 2. Hazards identification

### Product AS SOLD

Physical state : Liquid.

Emergency overview : WARNING !

CAUSES SEVERE EYE IRRITATION. Untreated contact may cause chemical burns.  
COMBUSTIBLE LIQUID AND VAPOUR.  
MAY CAUSE ALLERGIC SKIN REACTION.  
Do not instill in the middle ear – may cause deafness if ear drum is perforated. Do not instill in the middle ear – may cause deafness if ear drum is perforated.  
Avoid contact with eyes, skin and clothing. Keep away from heat, sparks and flame. Use only with adequate ventilation. Wash thoroughly after handling.

Routes of entry : Skin contact, Eye contact, Inhalation, Ingestion

### Potential acute health effects

### Product AS SOLD

Eyes : Severely irritating to eyes. Untreated contact may cause chemical burns.

Skin : May cause sensitisation by skin contact. 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 : Slightly irritating to the respiratory system.

Ingestion : No known significant effects or critical hazards.

See toxicological information (Section 11)

### Product AT USE DILUTION

Product is sold ready to use.

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Product is sold ready to use.

### 3. Composition/information on ingredients

#### Product AS SOLD

<u>Name</u>	<u>CAS number</u>	<u>% by weight</u>
COCAMINE OXIDE	61788-90-7	3 - 7
ISOPROPYL ALCOHOL	67-63-0	3 - 7
PROPYLENE GLYCOL	57-55-6	3 - 7
CHLORHEXIDINE DIGLUCONATE	18472-51-0	1 - 5
COCAMIDE DEA	68603-42-9	1 - 5
2,2'-iminodiethanol	111-42-2	0.1 - 1

#### Product AT USE DILUTION

<u>Name</u>	<u>CAS number</u>	<u>% by weight</u>
Product is sold ready to use.		

### 4. First-aid measures

	Product AS SOLD	Product AT USE DILUTION
<b>Eye contact</b>	: 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.	Product is sold ready to use.
<b>Skin contact</b>	: In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.	
<b>Inhalation</b>	: No special measures required. Treat symptomatically.	
<b>Ingestion</b>	: Get medical attention if symptoms occur.	

### 5. Fire-fighting measures

#### Product AS SOLD

<b>Auto-ignition temperature</b>	: Not available.
<b>Flammable limits</b>	: Not available.
<b>Hazardous thermal decomposition products</b>	: Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides halogenated compounds
<b>Special remarks on fire hazards</b>	: Not available.
<b>Special remarks on explosion hazards</b>	: Not available.
<b>Fire-fighting media and instructions</b>	: Use dry chemical, CO <sub>2</sub> , water spray (fog) or foam.  Use water spray to keep fire-exposed containers cool. Dyke area of fire to prevent runoff. Combustible liquid. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion.
<b>Special protective equipment for fire-fighters</b>	: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## 6. Accidental release measures

<b>Personal precautions</b>	<b>Product AS SOLD</b> : Use personal protective equipment as required.
<b>Environmental precautions</b>	: Avoid contact of large amounts of spilt material and runoff with soil and surface waterways.
<b>Methods for cleaning up</b>	: 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.

**Product AT USE DILUTION**  
Product is sold ready to use.

## 7. Handling and storage

<b>Handling</b>	<b>Product AS SOLD</b> : Avoid contact with eyes, skin and clothing. Keep away from heat, sparks and flame. To avoid fire, eliminate ignition sources. Wash thoroughly after handling.
<b>Storage</b>	: Keep out of reach of children. Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Store in a closed container. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame). Store between the following temperatures: 0 and 30°C

**Product AT USE DILUTION**  
Product is sold ready to use.

## 8. Exposure controls/personal protection

<b>Engineering measures</b>	<b>Product AS SOLD</b> : Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapour or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapour or dust concentrations below any lower explosive limits.
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### Personal protection

<b>Eyes</b>	: Safety eyewear should be used when there is a likelihood of exposure.
<b>Hands</b>	: Use chemical-resistant, impervious gloves.
<b>Skin</b>	: Use suitable protective equipment.
<b>Respiratory</b>	: No special protection is required.

**Product AT USE DILUTION**  
Product is sold ready to use.

Product is sold ready to use.

Occupational exposure limits		TWA (8 hours)			STEL (15 mins)			Ceiling			Notations
Ingredient	List name	ppm	mg/m <sup>3</sup>	Other	ppm	mg/m <sup>3</sup>	Other	ppm	mg/m <sup>3</sup>	Other	
propan-2-ol	US ACGIH 3/2012	200	-	-	400	-	-	-	-	-	
	AB 4/2009	200	492	-	400	984	-	-	-	-	
	BC 4/2012	200	-	-	400	-	-	-	-	-	
	ON 7/2010	200	-	-	400	-	-	-	-	-	
	QC 9/2011	400	983	-	500	1230	-	-	-	-	
propylene glycol	ON 7/2010	-	10	-	-	-	-	-	-	-	[a]
	ON 7/2010	50	155	-	-	-	-	-	-	-	[b]
2,2'-iminodiethanol	US ACGIH 3/2012	-	1	-	-	-	-	-	-	-	[1] [c]
	AB 4/2009	-	2	-	-	-	-	-	-	-	[1]
	BC 4/2012	-	2	-	-	-	-	-	-	-	[1] [d]
	ON 7/2010	-	1	-	-	-	-	-	-	-	[1] [c]
	QC 9/2011	3	13	-	-	-	-	-	-	-	[1]

## 8. Exposure controls/personal protection

[1] Absorbed through skin.

Form: [a] Aerosol only. [b] Vapour and aerosol. [c] Inhalable fraction and vapor [d] Inhalable vapour and aerosol

## 9. Physical and chemical properties

	Product AS SOLD
Physical state	: Liquid.
Flash point	: 48 °C (Closed cup)
Colour	: Amber
Odour	: Floral
pH	: 6 to 7.5 [Conc. (% w/w): 100%]
Boiling/condensation point	: >100°C (>212°F)
Melting/freezing point	: Not available.
Relative density	: 1
Vapour pressure	: Not available.
Vapour density	: Not available.
Odour threshold	: Not available.
Evaporation rate	: Not available.
Viscosity	: Not available.
Dispersibility properties	: Not available.
Solubility	: Not available.
LogK <sub>ow</sub>	: Not available.

### Product AT USE DILUTION

Product is sold ready to use.

## 10. Stability and reactivity

### Product AS SOLD

Stability	: The product is stable. Under normal conditions of storage and use, hazardous polymerisation will not occur.
Conditions of instability	: Not available.
Reactivity	: Not available.
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Hazardous polymerisation	: Under normal conditions of storage and use, hazardous polymerisation will not occur.

## 11. Toxicological information

### Potential acute health effects

	Product AS SOLD
Eyes	: Severely irritating to eyes. Untreated contact may cause chemical burns.
Skin	: May cause sensitisation by skin contact. 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	: Slightly irritating to the respiratory system.
Ingestion	: No known significant effects or critical hazards.

### Product AS SOLD

### Product AT USE DILUTION

Product is sold ready to use.

## 11. Toxicological information

### Potential chronic health effects

**Carcinogenic effects** : Contains material which may cause cancer, based on animal data.

Ingredient name	ACGIH	IARC	NTP	OSHA
COCAMIDE DEA	-	2b	-	-
2,2'-iminodiethanol	-	2b	-	-

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

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

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

**Sensitization to Product** : May cause sensitisation by skin contact.

**Synergistic products (toxicologically)** : Not available.

### Toxicity data

Product/ingredient name	Test	Route	Result	Species
amines, coco alkyl dimethyl, n-oxides	LD50	Dermal	>2174 mg/kg	Rat
	LD50	Oral	846 mg/kg	Rat
propan-2-ol	LD50	Dermal	12870 mg/kg	Rabbit
	LD50	Oral	4710 mg/kg	Rat
	LC50	Inhalation	30 mg/l	Rat
d-gluconic acid, compd. with n,n"-bis(4-chlorophenyl)-3,12-diimino-2,4,11,13-tetraazatetradecanediimidamide (2:1)	LD50	Oral	2040 mg/kg	Rat
	LD50	Dermal	>2000 mg/kg	Rabbit
propylene glycol	LD50	Oral	22000 mg/kg	Rat
	LC50	Inhalation	>158.5 mg/l	Rat
	LD50	Dermal	>2000 mg/kg	Rat
amides, coco, n,n-bis(hydroxyethyl)	LD50	Oral	>5000 mg/kg	Rat
	LD50	Dermal	8180 mg/kg	Rabbit
2,2'-iminodiethanol	LD50	Oral	755 mg/kg	Rat

### Other adverse effects

**Target organs** : Contains material which causes damage to the following organs: ears.  
Contains material which may cause damage to the following organs: blood, kidneys, liver, spleen, upper respiratory tract, central nervous system (CNS).

## 12. Ecological information

**Ecotoxicity** : Not reported

## 13. Disposal considerations

Product AS SOLD		Product AT USE DILUTION
<b>Waste disposal</b>	: 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.	Product is sold ready to use.

## 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.

Product AS SOLD

**TDG**

TDG Classification Not regulated.

**IMO/IMDG**

## 14. Transport information

IMO/IMDG Classification UN1987  
 IMO/IMDG Proper shipping name ALCOHOLS, N.O.S., (Contains ISOPROPANOL)  
 Class 3  
 Packing group III

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

## 15. Regulatory information

### Product AS SOLD

### Product AT USE DILUTION

WHMIS : Not a WHMIS controlled material.  
 DIN02240416

Product is sold ready to use.

Canada inventory : All components are listed or exempted.

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.

## 16. Other information

### Product AS SOLD

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

Health	*	2
Flammability		2
Physical hazards		0

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



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 1-800-352-5326

▣ Indicates information that has changed from previously issued version.

### 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.