

Material Safety Data Sheet

ENVERROS SANIMASTER 4



1. Product and company identification

Trade name of product : ENVERROS SANIMASTER 4
Product use : Sanitizer.

Product dilution information : Not applicable

Supplier's information : Ecolab Inc.
370 N. Wabasha St.
St. Paul, MN 55102
1-800-352-5326

Code : 908094-02

Date of issue : 07-February-2011

EPA Registration No. : 1839-215-1677

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 : DANGER !

CAUSES DIGESTIVE TRACT, EYE AND SKIN BURNS.
CAUSES RESPIRATORY TRACT IRRITATION.
May be fatal if inhaled.
HARMFUL IF ABSORBED THROUGH SKIN OR IF SWALLOWED.

Do not ingest. Do not get in eyes, on skin or on clothing. Avoid breathing vapors, spray or mists. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling.

Potential acute health effects

Product AS SOLD
Eyes : Corrosive to eyes.

Skin : Corrosive to the skin.

Inhalation : Irritating to respiratory system.

Ingestion : Causes burns to mouth, throat and stomach. May be harmful if swallowed.

See toxicological information (section 11)

Product AT USE DILUTION

Data not available - Refer to Product AS SOLD

Product AT USE DILUTION

Data not available - Refer to Product AS SOLD

3. Composition/information on ingredients

Product AS SOLD

<u>Name</u>	<u>CAS number</u>	<u>% by weight</u>
DIDECYLDIMONIUM CHLORIDE	7173-51-5	6.288
BENZALKONIUM CHLORIDE	68424-85-1	4.192
ALCOHOL	64-17-5	1 - 5
alcohols, c10-14, ethoxylated	66455-15-0	1 - 5

Product AT USE DILUTION

<u>Name</u>	<u>CAS number</u>	<u>% by weight</u>
Data not available - Refer to Product AS SOLD		

4. First aid measures

	Product AS SOLD	Product AT USE DILUTION
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 immediately.	Data not available - Refer to Product AS SOLD
Skin contact	: 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 immediately. Wash clothing before reuse. Clean shoes thoroughly before reuse.	
Inhalation	: If inhaled, remove to fresh air. Get medical attention if irritation persists.	
Ingestion	: If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.	

5. Fire-fighting measures

Product AS SOLD

- Hazardous thermal decomposition products** : Decomposition products may include the following materials:
 carbon dioxide
 carbon monoxide
 nitrogen oxides
 halogenated compounds
 metal oxide/oxides
- Fire-fighting media and instructions** : Use an extinguishing agent suitable for the surrounding fire.

 Dike area of fire to prevent runoff.
- Special protective equipment for fire-fighters** : In a fire or if heated, a pressure increase will occur and the container may burst.
 : 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

Personal precautions Environmental precautions Methods for cleaning up	Product AS SOLD : Initiate company's spill response procedures immediately. Keep people out of area. Put on appropriate personal protective equipment (see section 8). Do not touch or walk through spilled material.	Product AT USE DILUTION Data not available - Refer to Product AS SOLD
	: Avoid contact of spilled material and runoff with soil and surface waterways.	
	: Follow company's spill procedures. Keep people away from spill. Put on appropriate personal protective equipment (see section 8). Absorb/neutralize liquid material. Use a tool to scoop up solid or absorbed material and put into appropriate labeled container. Use a water rinse for final clean-up.	

7. Handling and storage

Handling Storage	Product AS SOLD : Do not ingest. Do not get in eyes, on skin, or on clothing. Avoid breathing vapors, spray or mists. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling.	Product AT USE DILUTION Data not available - Refer to Product AS SOLD
	: Keep out of reach of children. Store in a closed container. Keep container tightly closed. Store between the following temperatures: 0 and 40°C	

8. Exposure controls/personal protection

Engineering measures Personal protection Eyes Hands Skin Respiratory	Product AS SOLD : Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor 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. Provide suitable facilities for quick drenching or flushing of the eyes and body in case of contact or splash hazard.	Product AT USE DILUTION Data not available - Refer to Product AS SOLD Data not available - Refer to Product AS SOLD
	: Use chemical splash goggles. For continued or severe exposure wear a face shield over the goggles.	
	: Use chemical-resistant, impervious gloves.	
	: Use suitable protective equipment.	
	: Avoid breathing vapors, spray or mists.	

Ingredient	Exposure limits
ALCOHOL	ACGIH TLV (United States, 2/2010). STEL: 1000 ppm 15 minute(s). OSHA PEL (United States, 6/2010). TWA: 1900 mg/m ³ 8 hour(s). TWA: 1000 ppm 8 hour(s). NIOSH REL (United States, 6/2009). TWA: 1000 ppm 10 hour(s). TWA: 1900 mg/m ³ 10 hour(s).

9. Physical and chemical properties

	Product AS SOLD
Physical state	: Liquid.
Flash point	: > 100°C
Color	: Yellow
Odor	: citrus
pH	: 7 to 8 [Conc. (% w/w): 100%]
Relative density	: 0.986 to 1.024
Solubility	: Easily soluble in the following materials: cold water and hot water.

Product AT USE DILUTION
Data not available - Refer to Product AS SOLD

10. Stability and reactivity

	Product AS SOLD
Stability	: The product is stable. Under normal conditions of storage and use, hazardous polymerization will not occur.
Reactivity	: Reactive or incompatible with the following materials: acids.
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.

11. Toxicological information

Potential acute health effects

	Product AS SOLD
Eyes	: Corrosive to eyes.
Skin	: Corrosive to the skin.
Inhalation	: Irritating to respiratory system.
Ingestion	: Causes burns to mouth, throat and stomach. May be harmful if swallowed.

Product AT USE DILUTION
Data not available - Refer to Product AS SOLD

Product AS SOLD

Other adverse effects

Target organs	: Contains material which may cause damage to the following organs: upper respiratory tract, central nervous system (CNS).
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12. Ecological information

Ecotoxicity	: Not reported
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13. Disposal considerations

	Product AS SOLD
Waste disposal	: 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 AT USE DILUTION
Data not available - Refer to Product AS SOLD

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

DOT Classification UN1760
 DOT Proper shipping name Corrosive liquids, n.o.s. (Quaternary ammonium compounds)
 Class 8
 Packing group II

For transport in bulk or using IMDG regulations, see shipping documents for specific transportation information.

15. Regulatory information

Product AS SOLD

HCS : Corrosive material
 Classification Target organ effects

Product AS SOLD

U.S. Federal regulations

TSCA 8(b) inventory : All components are listed or exempted.
 EPA Registration No. : 1839-215-1677

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

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

<u>SARA 313</u>	<u>Product name</u>	<u>CAS number</u>	<u>Concentration</u>
Form R - Reporting requirements	: No listed substance		

California Prop. 65 : No listed substance

Product AT USE DILUTION

Data not available - Refer to Product AS SOLD

16. Other information

Product AS SOLD

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

Health	*	3
Flammability		0
Physical hazards		0

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



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 Responsible name : Regulatory Affairs
 1-800-352-5326

16. Other information

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.**