

Material Safety Data Sheet

ECO-SAN



1. Product and company identification

Trade name of product : ECO-SAN

Product use : Sanitizer.

Product dilution information : Not applicable

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

Code : 900043-02

Date of issue : 13-January-2012

EPA Registration No. : 1677-52

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 EYE BURNS.
CAUSES DIGESTIVE TRACT BURNS.
CAUSES SEVERE SKIN IRRITATION.
Untreated contact may cause severe irritation or chemical burns.
CAUSES RESPIRATORY TRACT IRRITATION.

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 : Severely irritating to the skin. Untreated contact may cause severe irritation or chemical burns.

Inhalation : Irritating to respiratory system.

Ingestion : Causes burns to mouth, throat and stomach.

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>
sodium hypochlorite	7681-52-9	8.4

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: halogenated compounds metal oxide/oxides
Fire-fighting media and instructions	: Use an extinguishing agent suitable for the surrounding fire. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain. In a fire or if heated, a pressure increase will occur and the container may burst.
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.

6. Accidental release measures

	Product AS SOLD	Product AT USE DILUTION
Personal precautions	: 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.	Data not available - Refer to Product AS SOLD
Environmental precautions	: Avoid contact of spilled material and runoff with soil and surface waterways.	

6. Accidental release measures

Methods for cleaning up : 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 : **Product AS SOLD**
: Do not ingest. Mixing this product with acid or ammonia releases chlorine gas. 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.

Storage : Keep out of reach of children. Store in a closed container. Keep container tightly closed.
Do not store above the following temperature: 40°C

Product AT USE DILUTION

Data not available - Refer to Product AS SOLD

8. Exposure controls/personal protection

Engineering measures : **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.

Personal protection

Eyes : Use chemical splash goggles. For continued or severe exposure wear a face shield over the goggles.

Hands : Use chemical-resistant, impervious gloves.

Skin : Wear suitable protective clothing.

Respiratory : Avoid breathing vapors, spray or mists.

Product AT USE DILUTION

Data not available - Refer to Product AS SOLD

Data not available - Refer to Product AS SOLD

Ingredient	Exposure limits
chlorine	ACGIH TLV (United States, 2/2010). STEL: 2.9 mg/m ³ 15 minute(s). STEL: 1 ppm 15 minute(s). TWA: 1.5 mg/m ³ 8 hour(s). TWA: 0.5 ppm 8 hour(s). OSHA PEL (United States, 6/2010). CEIL: 3 mg/m ³ CEIL: 1 ppm

9. Physical and chemical properties

Product AS SOLD	
Physical state	: Liquid.
Flash point	: > 100°C
Color	: Yellow [Light]
Odor	: chlorine
pH	: 12.5 [Conc. (% w/w): 100%]
Relative density	: 1.154

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	: Extremely reactive or incompatible with the following materials: acids. Slightly reactive or incompatible with the following materials: metals. Mixing this product with acid or ammonia releases chlorine gas.
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	: Severely irritating to the skin. Untreated contact may cause severe irritation or chemical burns.
Inhalation	: Irritating to respiratory system.
Ingestion	: Causes burns to mouth, throat and stomach.

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

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.
RCRA classification	: Unused product is D002 (Corrosive)

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 UN1791
 DOT Proper shipping name Hypochlorite solutions
 Class 8
 Packing group III

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

Product AS SOLD

U.S. Federal regulations

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

EPA Registration No. : 1677-52

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 : 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.