Material Safety Data Sheet

STER-BAC

1. Product and company identification

Trade name of product

: STER-BAC

Product use

Sanitizer.

Product dilution information : Up to 2.5 oz/10gal or 2 mL/L in water

Supplier's information

: Ecolab Inc. Food & Beverage Division

370 N. Wabasha Street St. Paul, MN 55102 1-800-392-3392

Code

: 900316

Date of issue

: 23-April-2012

EPA Registration No.

1677-43

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.

HARMFUL IF ABSORBED THROUGH SKIN OR IF

SWALLOWED.

MAY CAUSE 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

: Corrosive to the skin. Harmful if absorbed through the

Inhalation

: Moderately irritating to the respiratory system.

Ingestion

and stomach.

: Harmful if swallowed. Causes burns to mouth, throat

See toxicological information (Section 11)

Product AT USE DILUTION

Product AT USE DILUTION

MAY CAUSE EYE IRRITATION.

Avoid contact with eyes. Wash thoroughly

Slightly irritating to the eyes.

Slightly irritating to the skin.

No known significant effects or critical

hazards.

Liquid.

CAUTION!

after handling.

No known significant effects or critical

nazards.

3. Composition/information on ingredients

Product AS SOLD

Name **CAS** number % by weight quaternary ammonium compounds, benzyl-c12-c16-alkyldimethyl, chlorides 68424-85-1 10.0 ALCOHOL 64-17-5 1 - 5

Product AT USE DILUTION

CAS number % by weight quaternary ammonium compounds, benzyl-c12-c16-alkyldimethyl, chlorides 68424-85-1

Composition/information on ingredients 3.

First aid measures 4.

Product AS SOLD

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.

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.

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.

Product AT USE DILUTION

Rinse with water for a few minutes.

Rinse with water for a few minutes.

No special measures required. Treat symptomatically.

Get medical attention if symptoms occur.

Fire-fighting measures 5.

Product AS SOLD

Hazardous thermal decomposition products : Decomposition products may include the following materials: carbon dioxide

carbon monoxide metal oxide/oxides

Fire-fighting media and instructions

: Use an extinguishing agent suitable for the surrounding fire.

Dike area of fire to prevent runoff.

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.

Accidental release measures 6.

Personal precautions

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.

Environmental precautions

: Avoid contact of spilled material and runoff with soil

and surface waterways.

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.

Product AT USE DILUTION

Use personal protective equipment as required.

Avoid contact of large amounts of spilled material and runoff with soil and surface waterways.

Use a water rinse for final clean-up.

Handling and storage 7.

Handling

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.

Storage

: Keep out of reach of children. Keep container tightly

Store between the following temperatures: -10 and 50°C

Product AT USE DILUTION

Avoid contact with eyes. Wash thoroughly after handling.

Keep out of reach of children. Store in a closed container.

8. Exposure controls/personal protection

Product AS SOLD

Engineering measures

: 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**

Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

No protective equipment is needed under normal use conditions.

No protective equipment is needed under normal use conditions.

No protective equipment is needed under normal use conditions.

No special protection is required.

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/m³ 8 hour(s). TWA: 1000 ppm 8 hour(s).	

9. Physical and chemical properties

Product AS SOLD

Physical state Flash point

: Liquid. : > 100°C

Product does not support combustion.

Color

: Colorless to light yellow

Odor

: Sweetish

pН

: 7.5 [Conc. (% w/w): 100%]

Boiling/condensation ; >100°C (>212°F)

point

Relative density: 0.995

Dispersibility

: Easily dispersible in the following materials: cold water

properties Solubility

: Easily soluble in the following materials: cold water

and hot water.

Product AT USE DILUTION

Liquid.

> 100°C

Clear

Faint odor

7.6 to 7.9

STER-BAC 23 April 2012

10. Stability and reactivity

Product AS SOLD

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.

11. Toxicological information

Potential acute health effects

Product AS SOLD

Eyes

: Corrosive to eyes.

Skin

: Corrosive to the skin. Harmful if absorbed through the

skin,

Inhalation

: Moderately irritating to the respiratory system.

Ingestion

: Harmful if swallowed. Causes burns to mouth, throat

and stomach.

Product AT USE DILUTION

Slightly irritating to the eyes.

Slightly irritating to the skin.

No known significant effects or critical

hazards.

No known significant effects or critical

hazards.

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).

12. Ecological information

Ecotoxicity

: Not reported

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

Diluted product can be flushed to sanitary sewer. Discard empty container in trash.

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

Not regulated.

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

Product AT USE DILUTION

Not intended for transport.

Regulatory information 15.

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.

: 1677-43

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

Product AT USE DILUTION

Not regulated.

Concentration

Form R - Reporting

: No listed substance

requirements

California Prop. 65

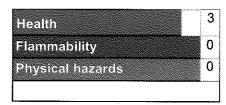
: No listed substance

Other information **16**.

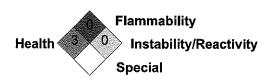
Product AS SOLD

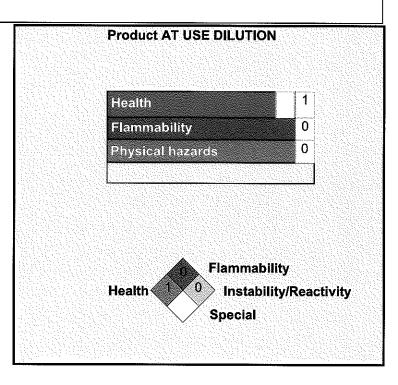
Hazardous Material

Information System (U.S.A.)



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





Date of issue

: 23-April-2012

Responsible name

: Regulatory Affairs

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.**