Material Safety Data Sheet

Product and company identification

Trade name of product

: SANI-STEP

Product use

Sanitizer.

Product dilution information: Not applicable

Supplier's information

: Ecolab Inc. Food & Beverage Division

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

Code

902300-01

Date of issue

20-June-2011

EPA Registration No.

: 1677-223

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

: Powder

Emergency overview

: CAUTION!

MAY CAUSE EYE IRRITATION.

Avoid contact with eyes. Wash thoroughly after

handling.

Potential acute health effects

Product AS SOLD

Eves

Skin

: Moderately irritating to eyes.

: No known significant effects or critical hazards.

Inhalation ___

: No known significant effects or critical hazards.

Ingestion

: No known significant effects or critical hazards.

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

Composition/information on ingredients

Product AS SOLD

<u>Name</u>	CAS number	% by weight
UREA	57-13-6	>50
quaternary ammonium compounds, benzyl-c12-c16-alkyldimethyl, chlorides	68424-85-1	.479
QUATERNIUM-24	32426-11-2	.359
DIDECYLDIMONIUM CHLORIDE	7173-51-5	.215
DICAPRYL/DICAPRYLYL DIMONIUM CHLORIDE	68424-95-3	144

Product AT USE DILUTION

Name | CAS number % by weight Data not available - Refer to Product AS SOLD

1/5

Composition/information on ingredients 3.

First aid measures 4.

Product AS SOLD

Eye contact

: In case of contact, immediately flush eyes with plenty of water. Remove contact lenses and flush again. Get

medical attention if irritation persists.

Skin contact

: No known effect after skin contact, Rinse with water

for a few minutes.

Inhalation

: No special measures required. Treat symptomatically.

Ingestion

: Get medical attention if symptoms occur.

Product AT USE DILUTION

Data not available - Refer to Product AS

ISOLD

5. Fire-fighting measures

Product AS SOLD

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

carbon dioxide carbon monoxide nitrogen oxides Ammonia

Fire-fighting media and instructions

: Use dry chemical powder.

Move containers from fire area if this can be done without risk. Use water spray to

keep fire-exposed containers cool. Dike area of fire to prevent runoff,

Fine dust clouds may form explosive mixtures with air.

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.

Product AS SOLD

Personal precautions

Environmental

: Use personal protective equipment as required.

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

Methods for cleaning up

Storage

precautions

: Use a water rinse for final clean-up.

Product AT USE DILUTION

Data not available - Refer to Product AS SOLD

Handling and storage 7.

Product AS SOLD

Handling

: Avoid contact with eyes. Wash thoroughly after handling.

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

container.

Store between the following temperatures: -20 and

40°C

Product AT USE DILUTION

Data not available - Refer to Product AS

SOLD

8. Exposure controls/personal protection

Product AS SOLD

Engineering measures

: Good general ventilation should be sufficient to control

worker exposure to airborne contaminants.

Personal protection

Eyes

: Eye protection should be used when splashing may

occur.

Hands

: No protective equipment is needed under normal use

conditions.

Skin

: No protective equipment is needed under normal use

conditions.

Respiratory

: No special protection is required.

Consult local authorities for acceptable exposure limits.

Product AT USE DILUTION

Data not available - Refer to Product AS

SOLD

Data not available - Refer to Product AS

9. Physical and chemical properties

Product AS SOLD

Physical state

: Powder

Flash point

: > 100°C

Product does not support combustion.

Color

: Blue

Odor

pН

: Ammoniacal

: 7.4 to 8 [Conc. (% w/w): 1%]

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

: Highly reactive or incompatible with the following materials: oxidizing materials. Slightly reactive or incompatible with the following materials: metals, acids and alkalis. Do not mix with bleach or other chlorinated products.

Hazardous decomposition

products

: Under normal conditions of storage and use, hazardous decomposition products should not be produced. Releases ammonia when heated,

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

: Moderately irritating to eyes.

Skin

: No known significant effects or critical hazards.

Inhalation

: No known significant effects or critical hazards.

Ingestion

: No known significant effects or critical hazards.

Product AT USE DILUTION

Data not available - Refer to Product AS

11. Toxicological information

12. Ecological information

Ecotoxicity

Waste disposal

: Not reported

13. Disposal considerations

Product AS SOLD

: Diluted product can be flushed to sanitary sewer.

Discard empty container in trash.

Product AT USE DILUTION

Product AT USE DILUTION

Data not available - Refer to Product AS

CAS number

Concentration

Data not available - Refer to Product AS

SOLD

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

Not regulated.

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

15. Regulatory information

Product AS SOLD

HCS

: Irritating material

Classification

Product AS SOLD

U.S. Federal regulations

TSCA 8(b) inventory

: All components are listed or exempted.

EPA Registration No.

: 1677-223

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

Form R - Reporting

requirements

: No listed substance

California Prop. 65

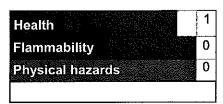
: No listed substance

16. Other information

Product AS SOLD

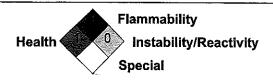
Hazardous Material

Information System (U.S.A.)



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

16. Other information



Date of issue

: 20-June-2011

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.