

Material Safety Data Sheet



SANI-STEP

1. 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.

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

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 SOLD

See toxicological information (section 11)

3. Composition/information on ingredients

Product AS SOLD

<u>Name</u>	<u>CAS number</u>	<u>% by weight</u>
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

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

3. Composition/information on ingredients

4. First aid measures

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

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.

6. Accidental release measures

	Product AS SOLD	Product AT USE DILUTION
Personal precautions	: Use personal protective equipment as required.	Data not available - Refer to Product AS SOLD
Environmental precautions	: Avoid contact of large amounts of spilled material and runoff with soil and surface waterways.	
Methods for cleaning up	: Use a water rinse for final clean-up.	

7. Handling and storage

	Product AS SOLD	Product AT USE DILUTION
Handling	: Avoid contact with eyes. Wash thoroughly after handling.	Data not available - Refer to Product AS SOLD
Storage	: Keep out of reach of children. Store in a closed container. Store between the following temperatures: -20 and 40°C	

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.

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

Data not available - Refer to Product AS SOLD

Consult local authorities for acceptable exposure limits.

9. Physical and chemical properties

	Product AS SOLD
Physical state	: Powder
Flash point	: > 100°C Product does not support combustion.
Color	: Blue
Odor	: Ammoniacal
pH	: 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 SOLD

11. Toxicological information

12. Ecological information

Ecotoxicity : Not reported

13. Disposal considerations

Product AS SOLD

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

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 : Not regulated.

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

15. Regulatory information

Product AS SOLD

HCS Classification : Irritating material

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	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	1
Flammability	0
Physical hazards	0

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.**