SAFETY DATA SHEET



DISINFECTANT CLEANER 2.0

Section 1. Chemical product and company identification

Product name : DISINFECTANT CLEANER 2.0

Recommended use and

restrictions

: disinfectant

Use only for the purpose on the product label.

Product dilution information : Up to 2 oz/gal or 15.6 mL/L in water

Supplier's information : Ecolab Inc. Institutional Division

370 N. Wabasha Street St. Paul. MN 55102 1-800-352-5326

Code : 900850

Date of issue : 27 Mar 2013 **EPA Registration No.** : 47371-37-1677

EMERGENCY HEALTH INFORMATION: 1-800-328-0026

Outside United States and Canada CALL 1-651-222-5352 (in USA)

Section 2. Hazards identification

Product AS SOLD

GHS Classification : ACUTE TOXICITY: SKIN - Category 4

SERIOUS EYE DAMAGE/ EYE IRRITATION -

Category 2A

GHS label elements

Signal word : Warning

Symbol



Hazard statements : Harmful in contact with skin.

Causes serious eye irritation.

Precautionary statements

Prevention : Wear protective gloves. Wear eye or face

protection. Wear protective clothing. Wash

hands thoroughly after handling.

: IF ON SKIN: Wash with plenty of soap and Response

water. Call a POISON CENTER or physician if you feel unwell. Wash contaminated clothing before reuse. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical

attention.

: No other specific measures identified. Storage

Disposal : See section 13 for waste disposal information.

Other hazards : None known. **Product AT USE DILUTION** Not classified.

No signal word.

No known significant effects or critical

hazards.

Wash thoroughly after handling.

Get medical attention if symptoms appear.

No other specific measures identified.

See section 13 for waste disposal

information.

None known.

Section 2. Hazards identification

Section 3. Composition/information on ingredients

Substance/mixture

: Mixture

Product AS SOLD

Hazardous ingredients	Concentration Range (%)	CAS number
alcohols, c12-15, ethoxylated	1 - 5	68131-39-5
Didecyl dimethyl ammonium chloride, n-Alkyl (C14	50%, 1.875	7173-51-5
C12 40%, C16 10%)		
dimethyl benzyl ammonium chloride	1.250	68424-85-1

Product AT USE DILUTION

Within the present knowledge of the supplier, this product does not contain any hazardous ingredients in quantities requiring reporting, in accordance with local regulations.

Section 4. First aid measures

Product AS SOLD

Eye contact : Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if

irritation persists.

: Wash with plenty of soap and water. Get Skin contact

medical attention. Wash clothing before reuse.

Clean shoes thoroughly before reuse.

Inhalation : No special measures required. Treat

symptomatically.

Ingestion : Get medical attention if symptoms occur.

: No action shall be taken involving any personal risk or without suitable training. It may be

dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated

Product AT USE DILUTION

with water for a few minutes.

water for a few minutes.

symptomatically.

No known effect after eye contact. Rinse with

No known effect after skin contact. Rinse

No special measures required. Treat

Get medical attention if symptoms occur.

clothing thoroughly with water before removing it, or wear gloves.

Notes to physician : In case of inhalation of decomposition products in a fire, symptoms may be delayed. The

exposed person may need to be kept under medical surveillance for 48 hours.

See toxicological information (section 11)

Section 5. Fire-fighting measures

Product AS SOLD

Protection of first-

Suitable fire extinguishing

media

aiders

: Use water spray, fog or foam.

Specific hazards arising

from the chemical

Hazardous thermal

decomposition products

: In a fire or if heated, a pressure increase will occur and the container may burst.

: Decomposition products may include the following materials: carbon dioxide

carbon monoxide nitrogen oxides

halogenated compounds

Specific fire-fighting methods

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without

suitable training.

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.

Page: 2/7

Section 6. Accidental release measures

Product AS SOLD

Personal precautions **Environmental**

precautions

: 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

: 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.

Section 7. Handling and storage

Product AS SOLD

Handling : Do not ingest. Do not get in eyes or on skin or

clothing. Do not breathe vapor or mist. Use only with adequate ventilation. Wash thoroughly after

handling.

: Keep out of reach of children. Keep container Storage

tightly closed.

Store between the following temperatures: 0 and

Product AT USE DILUTION

Wash thoroughly after handling.

Keep out of reach of children.

Product AT USE DILUTION

contaminants.

Section 8. Exposure controls/personal protection

Control parameters

Ingredient name	Exposure limits
None.	

Product AS SOLD

Appropriate engineering controls

: 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.

Personal protection

Eye protection

: Wear eye protection.

Hand protection

: No protective equipment is needed under normal use conditions.

Skin protection

: No protective equipment is needed under normal

use conditions.

Respiratory protection

Hygiene measures

: A respirator is not needed under normal and intended conditions of product use.

No protective equipment is needed under normal use conditions.

Good general ventilation should be sufficient

to control worker exposure to airborne

No protective equipment is needed under normal use conditions.

No protective equipment is needed under normal use conditions.

A respirator is not needed under normal and intended conditions of product use.

: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing.

Section 9. Physical and chemical properties

Product AS SOLD

Physical state : Liquid.
Color : Green
Odor : citrus

pH : 10 to 12 (100%) **Flash point** : 88 °C (Closed cup)

Product does not support combustion.

Explosion limits: Not available. **Flammability (solid,**: Not available.

gas)

Melting point: Not available.Boiling point: Not available.Evaporation rate: Not available.

(butyl acetate = 1)

Vapor pressure : Not available.Vapor density : Not available.

Relative density : 0.9755 to 1.0155 (Water = 1)

Solubility : Easily soluble in the following materials: cold

water and hot water.

Partition coefficient: : Not available.

n-octanol/water

Auto-ignition temperature

: Not available.

Decomposition

temperature

: Not available.

Odor threshold : Not available.

Viscosity : Not available.

Section 10. Stability and reactivity

Product AS SOLD

Stability: The product is stable.

Possibility of hazardous

reactions

: Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid : No specific data.

Materials to avoid : Not available.

Hazardous decomposition

products

: Under normal conditions of storage and use, hazardous decomposition products

should not be produced.

Section 11. Toxicological information

Route of exposure : Skin contact, Eye contact, Inhalation, Ingestion

Product AS SOLD

Symptoms

Eye contact: Adverse symptoms may include the following:

pain or irritation watering

redness

Skin contact: No specific data.Inhalation: No specific data.Ingestion: No specific data.

No specific data.

Product AT USE DILUTION

·

No specific data. No specific data. No specific data.

Page: 4/7

Product AT USE DILUTION

Green citrus

Liquid.

9 to 11.5 > 100°C

Section 11. Toxicological information

Acute toxicity

Eye contact : Causes serious eye irritation.

Skin contact: Harmful in contact with skin.

Inhalation : No known significant effects or critical hazards.

Ingestion: No known significant effects or critical hazards.

No known significant effects or critical

hazards.

No known significant effects or critical

hazards.

No known significant effects or critical

hazards.

No known significant effects or critical

hazards.

Toxicity data

Product/ingredient name

alcohols, c12-15, ethoxylated LD50 Dermal Rat >2000 mg/kg LD50 Oral Rat 1700 mg/kg didecyldimethylammonium chloride LC50 Inhalation Rat 0.07 mg/l

Dusts and mists

LD50 Dermal Rabbit 2930 mg/kg LD50 Oral Rat 1150 mg/kg LD50 Dermal Rabbit 3340 mg/kg

quaternary ammonium compounds, benzyl-

c12-c16-alkyldimethyl, chlorides

LD50 Oral Rat 344 mg/kg

Chronic toxicity

Carcinogenicity : No known significant effects or critical hazards.
 Mutagenicity : No known significant effects or critical hazards.
 Teratogenicity : No known significant effects or critical hazards.
 Developmental effects : No known significant effects or critical hazards.
 Fertility effects : No known significant effects or critical hazards.

Section 12. Ecological information

Product AS SOLD

Ecotoxicity : No known significant effects or critical hazards.

Aquatic and terrestrial toxicity

Product/ingredient name Result **Species Exposure** alcohols, c12-15, ethoxylated Fish Acute LC50 1.4 mg/l 96 hours didecyldimethylammonium chloride Acute LC50 <1 mg/l Fish 96 hours quaternary ammonium compounds, benzyl-Acute LC50 0.515 mg/l Fish 96 hours

c12-c16-alkyldimethyl, chlorides

Other adverse effects : No known significant effects or critical hazards.

Section 13. Disposal considerations

Product AS SOLD

Disposal methods : 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.

Page: 5/7

Section 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.

DOT

DOT Classification Not regulated.

IMO/IMDG

IMO/IMDG Classification Not regulated.

For transport in bulk, see shipping documents for specific transportation information.

Product AT USE DILUTION

Not intended for transport.

Section 15. Regulatory information

Product AS SOLD

U.S. Federal regulations

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

EPA Registration No. : 47371-37-1677

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

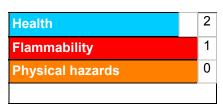
: No listed substance

<u>California Prop. 65</u> : No listed substance

Section 16. Other information

Product AS SOLD

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

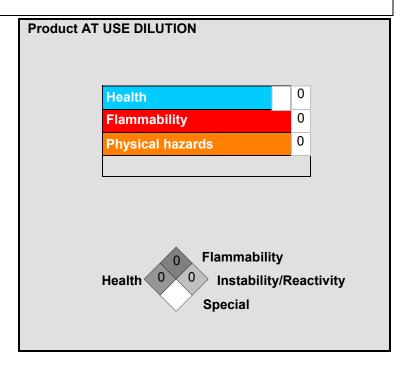


National Fire Protection Association (U.S.A.)



Date of issue : 27 Mar 2013
Prepared by : Regulatory Affairs
1-800-352-5326

Notice to reader



Section 16. Other information

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.

Page: 7/7