## **SAFETY DATA SHEET**



**Neutral Disinfectant Cleaner** 

### Section 1. Chemical product and company identification

Product name : Neutral Disinfectant Cleaner

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** : 900851

**Date of issue** : **17 Sep 2013 EPA Registration No.** : 47371-129-1677

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: ORAL - Category 4

ACUTE TOXICITY: INHALATION - Category 4 SKIN CORROSION/IRRITATION - Category 1C SERIOUS EYE DAMAGE/ EYE IRRITATION -

Category 1

**GHS label elements** 

Signal word : Danger

Symbol :





**Hazard statements**: Harmful if swallowed or if inhaled.

Causes severe skin burns and eye damage.

**Precautionary statements** 

**Prevention**: Wear protective gloves. Wear eye or face

protection. Wear protective clothing. Use only outdoors or in a well-ventilated area. Avoid breathing vapor. Wash hands thoroughly after

handling.

**Response** : IF INHALED: Remove victim to fresh air and

keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or physician. IF SWALLOWED: Immediately call a POISON CENTER or physician. Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. Wash contaminated

**Product AT USE DILUTION** 

ACUTE TOXICITY: SKIN - Category 4
ACUTE TOXICITY: INHALATION - Category

4

SERIOUS EYE DAMAGE/ EYE IRRITATION

- Category 2B

CAUTION



Harmful in contact with skin or if inhaled. Causes eye irritation.

Use only outdoors or in a well-ventilated area. Avoid breathing vapor. Wash hands thoroughly after handling.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or physician if you feel unwell. IF ON SKIN: Wash with plenty of soap and 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

#### Section 2. Hazards identification

clothing before reuse. Immediately call a POISON CENTER or physician. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a

POISON CENTER or physician.

: No other specific measures identified. Storage

Disposal : See section 13 for waste disposal information.

Other hazards : None known.

lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

No other specific measures identified.

See section 13 for waste disposal

information.

None known.

### Section 3. Composition/information on ingredients

Substance/mixture

**Product AS SOLD** 

**Hazardous ingredients Concentration Range (%) CAS** number

Didecyl Dimethyl Ammonium Chloride 10.14 7173-51-5 n-Alkyl (50% C14: 40% C12: 10% C16) 68424-85-1 6.76

Dimethyl Benzyl Ammonium Chloride

#### **Product AT USE DILUTION**

Hazardous ingredients Concentration Range (%) **CAS** number

Didecyl Dimethyl Ammonium Chloride 7173-51-5 n-Alkyl (50% C14; 40% C12; 10% C16) Dimethyl Benzyl <1.0 68424-85-1

Ammonium Chloride

#### 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

immediately.

Skin contact : Take off immediately all contaminated clothing.

> Rinse skin with water or shower. Get medical attention immediately. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Inhalation : Remove victim to fresh air and keep at rest in a

position comfortable for breathing. Get medical

attention immediately.

Ingestion : Get medical attention immediately. Rinse mouth.

Do not induce vomiting.

medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.

minutes. Remove contact lenses, if present

**Product AT USE DILUTION** 

Rinse cautiously with water for several

and easy to do. Continue rinsing. Get

medical attention if irritation persists. Wash with plenty of soap and water. Get

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if you feel unwell.

Get medical attention if symptoms occur.

Protection of first-

aiders

: 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. If ventilation is

inadequate, use respirator that will protect against dust/mist. Wash contaminated clothing

thoroughly with water before removing it, or wear gloves.

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

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** 

Suitable fire extinguishing

media

: 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 metal oxide/oxides

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.

#### Section 6. Accidental release measures

#### **Product AS SOLD**

# 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.

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 tool to scoop up solid or absorbed material and place into appropriate labeled waste 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.

### 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.

#### Storage

: Keep out of reach of children. Keep container tightly closed.

Store between the following temperatures: 0 and 50°C

#### Product AT USE DILUTION

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 tightly closed.

### Section 8. Exposure controls/personal protection

#### **Control parameters**

| Ingredient name | Exposure limits   |
|-----------------|---|
| ALCOHOL         | ACGIH TLV (United States, 3/2012).  STEL: 1000 ppm 15 minutes.  OSHA PEL (United States, 6/2010).  TWA: 1900 mg/m³ 8 hours.  TWA: 1000 ppm 8 hours.  NIOSH REL (United States, 6/2009).  TWA: 1000 ppm 10 hours.  TWA: 1900 mg/m³ 10 hours. |

#### **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. Provide suitable facilities for quick drenching or flushing of the eyes and body in case of contact or splash hazard.

#### Personal protection

Eye protection

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

Hand protection

: Use chemical-resistant, impervious gloves.

Skin protection

: Use synthetic apron, other protective equipment as necessary to prevent skin contact.

Respiratory

protection

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

Hygiene measures

### **Product AT USE DILUTION**

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.

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.

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 : Red

Odor : disinfectant pН : 7.2 to 8.2 (100%)

Flash point : > 100°C

Product does not support combustion.

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

gas)

**Melting point** : Not available. **Boiling** point : >100°C (>212°F) Evaporation rate : Not available. (butyl acetate = 1)

Vapor pressure : Not available.

#### **Product AT USE DILUTION**

Liquid. Red [Light] disinfectant 6 to 9 > 100°C

### Section 9. Physical and chemical properties

Vapor density : Not available.

Relative density : 0.987 to 1.008 (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** 

: Not available.

temperature

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**

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

**Product AS SOLD** 

**Symptoms** 

Eye contact : Adverse symptoms may include the following:

> pain watering redness

Skin contact : Adverse symptoms may include the following:

pain or irritation

redness

blistering may occur

Inhalation : Adverse symptoms may include the following:

coughing

Respiratory tract irritation

Ingestion : Adverse symptoms may include the following:

stomach pains

Acute toxicity

Eye contact : Causes serious eye damage.

Skin contact : Causes severe burns.

Inhalation : Harmful if inhaled. May cause respiratory

irritation.

Ingestion : Harmful if swallowed. May cause burns to mouth,

throat and stomach.

**Toxicity data** 

Product/ingredient name

**Product AT USE DILUTION** 

Adverse symptoms may include the following:

irritation watering redness

No specific data.

No specific data.

No specific data.

Causes eye irritation.

Harmful in contact with skin.

Harmful if inhaled.

No known significant effects or critical

hazards.

**Section 11. Toxicological information** 

didecyldimethylammonium chloride LC50 Inhalation Rat 0.07 mg/l

**Dusts and mists** 

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

quaternary ammonium compounds, benzyl-

c12-c16-alkyldimethyl, chlorides

LD50 Oral Rat 344 mg/kg LD50 Oral Rat 1700 mg/kg

acetic acid, (ethylenedinitrilo)tetra-,

tetrasodium salt

LC50 Inhalation

Rat 117 mg/l

Vapor

LD50 Dermal Rabbit 15800 mg/kg LD50 Oral Rat 10470 mg/kg LD50 Oral Rat >5000 mg/kg

1-octanamine, n,n-dimethyl-, n-oxide **Chronic toxicity** 

Carcinogenicity : No known significant effects or critical hazards. : No known significant effects or critical hazards. Mutagenicity **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** 

ethanol

**Ecotoxicity** : No known significant effects or critical hazards.

Aquatic and terrestrial toxicity

Product/ingredient name Result **Species Exposure** 

Not available.

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

### Section 13. Disposal considerations

**Product AS SOLD** 

: Avoid disposal. Attempt to use product Disposal methods completely in accordance with intended use.

Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Product AT USE DILUTION** 

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.

### 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** UN1903

**DOT Proper shipping name** Disinfectants, liquid, corrosive n.o.s. (Alkyldimethyl benzyl ammonium

chlorides)

Class 8 Ш Packing group

IMO/IMDG

IMO/IMDG Classification UN1903

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### **Section 14. Transport information**

IMO/IMDG Proper shipping name Disinfectants, liquid, corrosive n.o.s. (Alkyldimethyl benzyl ammonium

chlorides)

Class 8
Packing group III

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.** : 47371-129-1677

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 : No liste

requirements

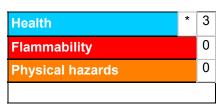
: No listed substance

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

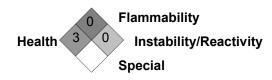
### **Section 16. Other information**

#### **Product AS SOLD**

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

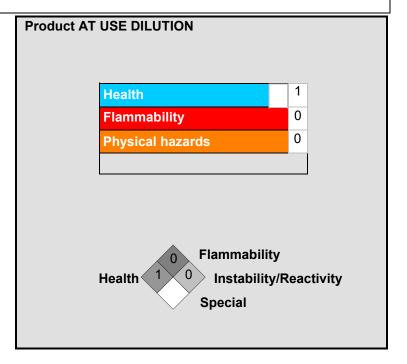


## National Fire Protection Association (U.S.A.)



Date of issue : 17 Sep 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.

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