

SAFETY DATA SHEET



14 ANTIBACTERIAL ALL PURPOSE CLEANER

Section 1. Chemical product and company identification

Product name : 14 ANTIBACTERIAL ALL PURPOSE CLEANER
Recommended use and restrictions : disinfectant

Use only for the purpose on the product label.

Product dilution information : Up to 1.56 oz/gal or 31.3 mL.L in water

Supplier's information : Ecolab Inc. Institutional Division
370 N. Wabasha Street
St. Paul, MN 55102
1-800-352-5326

Code : 903808

Date of issue : 19 Mar 2013

EPA Registration No. : 6836-78-1677

EMERGENCY HEALTH INFORMATION: 1-800-328-0026
Outside United States and Canada CALL 1-651-222-5352 (in USA)

Section 2. Hazards identification

GHS Classification : **Product AS SOLD**
ACUTE TOXICITY: ORAL - Category 4
ACUTE TOXICITY: SKIN - Category 4
SKIN CORROSION/IRRITATION - Category 1
SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1

GHS label elements

Signal word : Danger

Symbol :



Hazard statements : Harmful if swallowed or in contact with skin.
Causes severe skin burns and eye damage.

Precautionary statements

Prevention : Wear protective gloves. Wear eye or face protection. Wear protective clothing. 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 clothing before reuse. Immediately call a POISON CENTER or physician. IF ON SKIN:

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.

Section 2. Hazards identification

Wash with plenty of soap and water. Call a POISON CENTER or physician if you feel unwell. 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.

Storage : No other specific measures identified.
Disposal : See section 13 for waste disposal information.
Other hazards : None known.

No other specific measures identified.
 See section 13 for waste disposal information.
 None known.

Section 3. Composition/information on ingredients

Substance/mixture : Mixture

Product AS SOLD

Hazardous ingredients	Concentration Range (%)	CAS number
Octyl decyl dimethyl ammonium chloride	6.510	32426-11-2
Dioctyl dimethyl ammonium chloride	2.604	5538-94-3
Didecyl dimethyl ammonium chloride	3.906	7173-51-5
Alkyl dimethyl benzyl ammonium chloride	8.680	68424-85-1
alcohols, c9-11, ethoxylated	5 - 20	68439-46-3
ALCOHOL	1 - 5	64-17-5
TETRASODIUM EDTA	1 - 5	64-02-8
SODIUM METASILICATE	1 - 5	6834-92-0

Product AT USE DILUTION

Hazardous ingredients	Concentration Range (%)	CAS number
Dioctyl dimethyl ammonium chloride	0.010156	5538-94-3

Section 4. First aid measures

	Product AS SOLD	Product AT USE DILUTION
Eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.	No known effect after eye contact. Rinse with water for a few minutes.
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.	No known effect after skin contact. Rinse with water for a few minutes.
Inhalation	: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention immediately.	No special measures required. Treat symptomatically.
Ingestion	: Get medical attention immediately. Rinse mouth. Do not induce vomiting.	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. Wash contaminated 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

- Suitable fire extinguishing media** : Use water spray, fog or foam.
- Specific hazards arising from the chemical** : In a fire or if heated, a pressure increase will occur and the container may burst. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
- Hazardous thermal decomposition products** : 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

- Wash thoroughly after handling.
- Keep out of reach of children.

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/m ³ 8 hours. TWA: 1000 ppm 8 hours. NIOSH REL (United States, 6/2009). TWA: 1000 ppm 10 hours. TWA: 1900 mg/m ³ 10 hours.

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 goggles.

Hand protection : Use chemical-resistant, impervious gloves.

Skin protection : Use suitable protective equipment.

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

Hygiene measures : 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.

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.

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

Section 9. Physical and chemical properties

Product AS SOLD

Physical state : Liquid.

Color : Yellow

Odor : Fragrance-like

pH : 13 (100%)

Flash point : 58 °C (Closed cup)

Explosion limits : Not available.

Flammability (solid, gas) : Not available.

Melting point : Not available.

Boiling point : Not available.

Evaporation rate (butyl acetate = 1) : Not available.

Vapor pressure : Not available.

Vapor density : Not available.

Product AT USE DILUTION

Liquid.

Yellow [Light]

Faint odor [Slight]

9.8 to 10.3

> 100°C

Section 9. Physical and chemical properties

Relative density	: 1.007 (Water = 1)
Solubility	: Not available.
Partition coefficient: n-octanol/water	: Not available.
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 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. Harmful in contact with skin.
Inhalation	: May cause respiratory irritation.
Ingestion	: Harmful if swallowed. May cause burns to mouth, throat and stomach.

Product AT USE DILUTION

No specific data.

No specific data.

No specific data.

No specific data.

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	Result	Species	Dose
-------------------------	--------	---------	------

Section 11. Toxicological information

Alkyl dimethyl benzyl ammonium chloride	LD50 Dermal	Rabbit	3340 mg/kg
	LD50 Oral	Rat	344 mg/kg
Octyl decyl dimethyl ammonium chloride	LC50 Inhalation Dusts and mists	Rat	0.07 mg/l
	LD50 Dermal	Rabbit	2930 mg/kg
alcohols, c9-11, ethoxylated	LD50 Oral	Rat	238 mg/kg
	LD50 Dermal	Rat	>5000 mg/kg
Alcohol	LD50 Oral	Rat	1400 mg/kg
	LC50 Inhalation Vapor	Rat	117 mg/l
Didecyl dimethyl ammonium chloride	LD50 Dermal	Rabbit	15800 mg/kg
	LD50 Oral	Rat	10470 mg/kg
Tetrasodium EDTA	LC50 Inhalation Dusts and mists	Rat	0.07 mg/l
	LD50 Dermal	Rabbit	2930 mg/kg
Dioctyl dimethyl ammonium chloride	LD50 Oral	Rat	1150 mg/kg
	LD50 Oral	Rat	1700 mg/kg
Sodium metasilicate	LC50 Inhalation Dusts and mists	Rat	0.07 mg/l
	LD50 Dermal	Rabbit	2930 mg/kg
	LD50 Oral	Rat	238 mg/kg
	LD50 Oral	Rat	500 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	: Water polluting material. May be harmful to the environment if released in large quantities.
--------------------	--

Aquatic and terrestrial toxicity

Product/ingredient name	Result	Species	Exposure
Alkyl dimethyl benzyl ammonium chloride	Acute LC50 0.515 mg/l	Fish	96 hours
Octyl decyl dimethyl ammonium chloride	Acute LC50 <1 mg/l	Fish	96 hours
alcohols, c9-11, ethoxylated	Acute LC50 8.5 mg/l	Fish	96 hours
Alcohol	Acute LC50 11000 mg/l	Fish	96 hours
Didecyl dimethyl ammonium chloride	Acute LC50 <1 mg/l	Fish	96 hours
Tetrasodium EDTA	Acute LC50 121 mg/l	Fish	96 hours
Dioctyl dimethyl ammonium chloride	Acute EC50 0.1 mg/l	Daphnia	48 hours
Sodium metasilicate	Acute LC50 210 mg/l	Fish	96 hours

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.
RCRA classification	: Unused product is D002 (Corrosive) Unused product is D001 (Ignitable)

Product AT USE DILUTION
Diluted product can be flushed to sanitary sewer. Discard empty container in trash.

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
 Packing group III

IMO/IMDG

IMO/IMDG Classification UN1903
 IMO/IMDG Proper shipping name DISINFECTANT, 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. : 6836-78-1677

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

California Prop. 65 : No listed substance

Section 16. Other information

Product AS SOLD

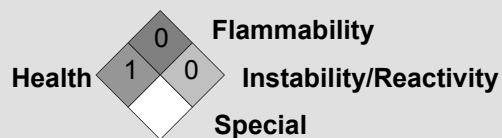
Hazardous Material :
 Information System (U.S.A.)

Health	*	3
Flammability		2
Physical hazards		0

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

Product AT USE DILUTION

Health		1
Flammability		0
Physical hazards		0

Section 16. Other information

Date of issue : 19 Mar 2013
Prepared by : Regulatory Affairs
1-800-352-5326

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.