



## SAFETY DATA SHEET

### REDI SAN RTU HARD SURFACE SANITIZER

#### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : REDI SAN RTU HARD SURFACE SANITIZER

Other means of identification : Not applicable

Recommended use : Sanitizer

Restrictions on use : Reserved for industrial and professional use.

Product dilution information : Product is sold ready to use.

Company : Ecolab Inc.  
1 Ecolab Place  
St. Paul, Minnesota USA 55102  
1-866-444-7450

Emergency health information : 1-800-328-0026 (US/Canada), 1-651-222-5352 (outside US)

Issuing date : 07/16/2019

#### SECTION 2. HAZARDS IDENTIFICATION

##### GHS Classification

Eye irritation : Category 2B

##### GHS label elements

Signal Word : Warning

Hazard Statements : Causes eye irritation.

Precautionary Statements : **Prevention:**  
Wash skin thoroughly after handling.  
**Response:**  
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 advice/ attention.

Other hazards : None known.

#### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Pure substance/mixture : Mixture

Chemical name	CAS-No.	Concentration (%)
Octyl decyl dimethyl ammonium chloride	32426-11-2	0.006
Dioctyl dimethyl ammonium chloride	5538-94-3	0.0024
Didecyl Dimethyl Ammonium Chloride	7173-51-5	0.0036
Alkyl (C14, 50%; C12, 40%; C16, 10%) dimethyl benzyl ammonium chloride	68424-85-1	0.008

#### SECTION 4. FIRST AID MEASURES

In case of eye contact : Rinse with plenty of water.

In case of skin contact : Rinse with plenty of water.

## SAFETY DATA SHEET

### **REDI SAN RTU HARD SURFACE SANITIZER**

If swallowed	: Rinse mouth. Get medical attention if symptoms occur.
If inhaled	: Get medical attention if symptoms occur.
Protection of first-aiders	: No special precautions are necessary for first aid responders.
Notes to physician	: Treat symptomatically.
Most important symptoms and effects, both acute and delayed	: See Section 11 for more detailed information on health effects and symptoms.

#### **SECTION 5. FIRE-FIGHTING MEASURES**

Suitable extinguishing media	: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable extinguishing media	: None known.
Specific hazards during fire fighting	: Not flammable or combustible.
Hazardous combustion products	: Decomposition products may include the following materials: Carbon oxides
Special protective equipment for fire-fighters	: Use personal protective equipment.
Specific extinguishing methods	: Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. In the event of fire and/or explosion do not breathe fumes.

#### **SECTION 6. ACCIDENTAL RELEASE MEASURES**

Personal precautions, protective equipment and emergency procedures	: Refer to protective measures listed in sections 7 and 8.
Environmental precautions	: Do not allow contact with soil, surface or ground water.
Methods and materials for containment and cleaning up	: Stop leak if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Flush away traces with water. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.

#### **SECTION 7. HANDLING AND STORAGE**

Advice on safe handling	: Wash hands thoroughly after handling. In case of mechanical malfunction, or if in contact with unknown dilution of product, wear full Personal Protective Equipment (PPE).
Conditions for safe storage	: Keep out of reach of children. Store in suitable labeled containers.
Storage temperature	: 0 °C to 50 °C

# SAFETY DATA SHEET

## REDI SAN RTU HARD SURFACE SANITIZER

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Ingredients with workplace control parameters

Contains no substances with occupational exposure limit values.

Engineering measures : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

#### Personal protective equipment

Eye protection : No special protective equipment required.

Hand protection : No special protective equipment required.

Skin protection : No special protective equipment required.

Respiratory protection : No personal respiratory protective equipment normally required.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : liquid  
Color : clear, light red  
Odor : Disinfectants  
pH : 9.5 - 11.0, (100 %)  
Flash point : Not applicable  
Odor Threshold : No data available  
Melting point/freezing point : No data available  
Initial boiling point and boiling range : No data available  
Evaporation rate : No data available  
Flammability (solid, gas) : No data available  
Upper explosion limit : No data available  
Lower explosion limit : No data available  
Vapor pressure : No data available  
Relative vapor density : No data available  
Relative density : 0.99 - 1.01  
Water solubility : soluble  
Solubility in other solvents : No data available  
Partition coefficient: n-octanol/water : No data available  
Autoignition temperature : No data available  
Thermal decomposition : No data available  
Viscosity, kinematic : No data available

## SAFETY DATA SHEET

### REDI SAN RTU HARD SURFACE SANITIZER

Explosive properties	: No data available
Oxidizing properties	: The substance or mixture is not classified as oxidizing.
Molecular weight	: No data available
VOC	: No data available

#### SECTION 10. STABILITY AND REACTIVITY

Reactivity	: No dangerous reaction known under conditions of normal use.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: No dangerous reaction known under conditions of normal use.
Conditions to avoid	: None known.
Incompatible materials	: None known.
Hazardous decomposition products	: Decomposition products may include the following materials: Carbon oxides

#### SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure : Inhalation, Eye contact, Skin contact

##### Potential Health Effects

Eyes	: Causes eye irritation.
Skin	: Health injuries are not known or expected under normal use.
Ingestion	: Health injuries are not known or expected under normal use.
Inhalation	: Health injuries are not known or expected under normal use.
Chronic Exposure	: Health injuries are not known or expected under normal use.

##### Experience with human exposure

Eye contact	: Redness, Irritation
Skin contact	: No symptoms known or expected.
Ingestion	: No symptoms known or expected.
Inhalation	: No symptoms known or expected.

##### Toxicity

###### Product

Acute oral toxicity	: No data available
Acute inhalation toxicity	: No data available
Acute dermal toxicity	: No data available
Skin corrosion/irritation	: No data available

## SAFETY DATA SHEET

### REDI SAN RTU HARD SURFACE SANITIZER

Serious eye damage/eye irritation : Mild eye irritation

Respiratory or skin sensitization : No data available

Carcinogenicity : No data available

Reproductive effects : No data available

Germ cell mutagenicity : No data available

Teratogenicity : No data available

STOT-single exposure : No data available

STOT-repeated exposure : No data available

Aspiration toxicity : No data available

#### Components

Acute oral toxicity : Octyl decyl dimethyl ammonium chloride  
LD50 Rat: 238 mg/kg

Diocetyl dimethyl ammonium chloride  
LD50 Rat: 238 mg/kg

Didecyl Dimethyl Ammonium Chloride  
LD50 Rat: 329 mg/kg

Alkyl (C14, 50%; C12, 40%; C16, 10%) dimethyl benzyl ammonium chloride  
LD50 Rat: 344 mg/kg

#### Components

Acute inhalation toxicity : Octyl decyl dimethyl ammonium chloride  
4 h LC50 Rat: 0.07 mg/l  
Test atmosphere: dust/mist

Diocetyl dimethyl ammonium chloride  
4 h LC50 Rat: 0.07 mg/l  
Test atmosphere: dust/mist

Didecyl Dimethyl Ammonium Chloride  
4 h LC50 Rat: 0.07 mg/l  
Test atmosphere: dust/mist

Alkyl (C14, 50%; C12, 40%; C16, 10%) dimethyl benzyl ammonium chloride  
4 h LC50 Rat: > 0.054 mg/l  
Test atmosphere: dust/mist

#### Components

Acute dermal toxicity : Octyl decyl dimethyl ammonium chloride  
LD50 Rabbit: 2,930 mg/kg

Diocetyl dimethyl ammonium chloride  
LD50 Rabbit: 2,930 mg/kg

Didecyl Dimethyl Ammonium Chloride  
LD50 Rabbit: 2,930 mg/kg

## SAFETY DATA SHEET

### REDI SAN RTU HARD SURFACE SANITIZER

Alkyl (C14, 50%; C12, 40%; C16, 10%) dimethyl benzyl ammonium chloride  
LD50 Rabbit: 3,340 mg/kg

#### SECTION 12. ECOLOGICAL INFORMATION

##### Ecotoxicity

Environmental Effects : This product has no known ecotoxicological effects.

##### Product

Toxicity to fish : No data available

Toxicity to daphnia and other aquatic invertebrates : No data available

Toxicity to algae : No data available

##### Components

Toxicity to fish : Octyl decyl dimethyl ammonium chloride  
96 h LC50 Fish: 1 mg/l

Diocetyl dimethyl ammonium chloride  
96 h LC50 Oncorhynchus mykiss (rainbow trout): 0.35 mg/l

Didecyl Dimethyl Ammonium Chloride  
96 h LC50 Fish: 1 mg/l

##### Components

Toxicity to daphnia and other aquatic invertebrates : Diocetyl dimethyl ammonium chloride  
96 h LC50 Americamysis bahia: 0.073 mg/l

Alkyl (C14, 50%; C12, 40%; C16, 10%) dimethyl benzyl ammonium chloride  
48 h EC50 Daphnia magna (Water flea): 0.016 mg/l

##### Components

Toxicity to algae : Diocetyl dimethyl ammonium chloride  
72 h EC50 Pseudokirchneriella subcapitata (algae): 0.122 mg/l

##### Persistence and degradability

Not applicable - Biocide

##### Bioaccumulative potential

No data available

##### Mobility in soil

No data available

##### Other adverse effects

No data available

#### SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods : Diluted product can be flushed to sanitary sewer.

# SAFETY DATA SHEET

## REDI SAN RTU HARD SURFACE SANITIZER

Disposal considerations : Dispose of in accordance with local, state, and federal regulations.

### SECTION 14. TRANSPORT INFORMATION

The shipper/consignor/sender is responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transport.

#### Land transport (DOT)

Not dangerous goods

#### Sea transport (IMDG/IMO)

Not dangerous goods

### SECTION 15. REGULATORY INFORMATION

EPA Registration number : 6836-290-1677

#### EPCRA - Emergency Planning and Community Right-to-Know

##### CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

##### SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards : Serious eye damage or eye irritation

SARA 302 : This material does not contain any components with a section 302 EHS TPQ.

SARA 313 : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

#### California Prop. 65

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

#### California Cleaning Product Right to Know Act of 2017 (SB 258)

This regulation applies to this product.

Chemical Name	CAS-No.	Function	List(s)
water	7732-18-5	Diluent	Not Applicable
Quaternary ammonium compounds	Withheld	Biocide	Not Applicable
Quaternary ammonium compound	Withheld	Biocide	Not Applicable
Nonionic surfactant	Withheld	Cleaning Agent	Not Applicable
Chelating agent	Withheld	Cleaning Agent	Not Applicable
silicate	Withheld	Film Former	Not Applicable
Fatty alcohol	Withheld	Cleaning Agent	Not Applicable
Colorant	Withheld	Dye	Not Applicable

\*refer to [ecolab.com/sds](http://ecolab.com/sds) for electronic links to designated lists

The ingredients of this product are reported in the following inventories:

# SAFETY DATA SHEET

## REDI SAN RTU HARD SURFACE SANITIZER

### United States TSCA Inventory :

All substances listed as active on the TSCA inventory

### Canadian Domestic Substances List (DSL) :

All components of this product are on the Canadian DSL

### Australia Inventory of Chemical Substances (AICS) :

On the inventory, or in compliance with the inventory

### New Zealand. Inventory of Chemical Substances :

not determined

### Japan. ENCS - Existing and New Chemical Substances Inventory :

not determined

### Korea. Korean Existing Chemicals Inventory (KECI) :

On the inventory, or in compliance with the inventory

### Philippines Inventory of Chemicals and Chemical Substances (PICCS) :

not determined

### China. Inventory of Existing Chemical Substances in China (IECSC) :

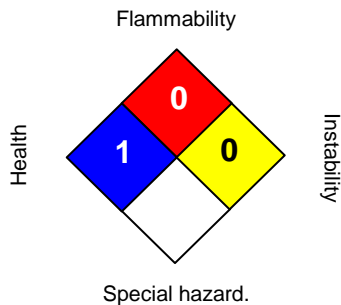
On the inventory, or in compliance with the inventory

### Taiwan Chemical Substance Inventory (TCSI) :

not determined

## SECTION 16. OTHER INFORMATION

### NFPA:



### HMIS III:

<b>HEALTH</b>	<b>1</b>
<b>FLAMMABILITY</b>	<b>0</b>
<b>PHYSICAL HAZARD</b>	<b>0</b>

0 = not significant, 1 = Slight,  
2 = Moderate, 3 = High,  
4 = Extreme, \* = Chronic

Issuing date : 07/16/2019  
Version : 1.1  
Prepared by : Regulatory Affairs

REVISED INFORMATION: Significant changes to regulatory or health information for this revision is indicated by a bar in the left-hand margin of the SDS.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.