

## 20 Neutral Disinfectant Cleaner

### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : 20 Neutral Disinfectant Cleaner

Other means of identification : Not applicable

Recommended use : Disinfectant

Restrictions on use : Reserved for industrial and professional use.

Product dilution information : 0.391 % - 0.4 %

Company : Ecolab Inc.  
1 Ecolab Place  
St. Paul, Minnesota USA 55102  
1-800-352-5326

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

Issuing date : 09/12/2024

### SECTION 2. HAZARDS IDENTIFICATION

#### GHS Classification

##### Product AS SOLD

Acute toxicity (Oral) : Category 4

Acute toxicity (Inhalation) : Category 4

Acute toxicity (Dermal) : Category 4

Skin corrosion : Category 1B

Serious eye damage : Category 1

##### Product AT USE DILUTION

Acute toxicity (Inhalation) : Category 4

#### GHS label elements

##### Product AS SOLD

Hazard pictograms :



Signal Word : Danger

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

Precautionary Statements : **Prevention:**  
Avoid breathing mist or vapors. Wash skin thoroughly after handling.  
Do not eat, drink or smoke when using this product. Use only outdoors  
or in a well-ventilated area. Wear protective gloves/ protective  
clothing/ eye protection/ face protection.  
**Response:**  
IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell.  
Rinse mouth. IF SWALLOWED: Rinse mouth. Do NOT induce  
vomiting. IF ON SKIN (or hair): Take off immediately all contaminated

# SAFETY DATA SHEET

## 20 Neutral Disinfectant Cleaner

clothing. Rinse skin with water/ shower. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/ doctor. 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/ doctor. Wash contaminated clothing before reuse.

**Storage:**

Store locked up.

**Disposal:**

Dispose of contents/ container to an approved waste disposal plant.

**Product AT USE DILUTION**

Hazard pictograms

:



Signal Word

: Warning

Hazard Statements

: Harmful if inhaled.

Precautionary Statements

: **Prevention:**

Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray. Use only outdoors or in a well-ventilated area.

**Response:**

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/ doctor.

**Product AS SOLD**

Other hazards

: None known.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Product AS SOLD**

Pure substance/mixture

: Mixture

**Chemical name****CAS-No.****Concentration (%)**

Didecyl Dimethyl Ammonium Chloride  
Alkyl (C14 50%, C12 40%, C16 10%) dimethyl  
benzyl ammonium chloride  
ethanol  
Tetrasodium EDTA  
1-octanamine, n,n-dimethyl-, n-oxide  
Fragrance Ingredient(s)

7173-51-5  
68424-85-1  
  
64-17-5  
64-02-8  
2605-78-9

10.14  
6.76  
  
1 - 5  
1 - 5  
1 - 5  
0.1 - 1

**Product AT USE DILUTION****Chemical name****CAS-No.****Concentration (%)**

Didecyl Dimethyl Ammonium Chloride  
Alkyl (C14 50%; C12 40%; C16 10%) dimethyl  
benzyl ammonium chloride

7173-51-5  
68424-85-1

0.1582  
0.1055

### SECTION 4. FIRST AID MEASURES

**Product AS SOLD**

In case of eye contact

: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.

## SAFETY DATA SHEET

### 20 Neutral Disinfectant Cleaner

In case of skin contact	: Wash off immediately with plenty of water for at least 15 minutes. Use a mild soap if available. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.
If swallowed	: Rinse mouth with water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.
If inhaled	: Remove to fresh air. Treat symptomatically. Get medical attention.
Protection of first-aiders	: If potential for exposure exists refer to Section 8 for specific personal protective equipment.
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.

#### Product AT USE DILUTION

In case of eye contact	: Rinse with plenty of water.
In case of skin contact	: Rinse with plenty of water.
If swallowed	: Rinse mouth. Get medical attention if symptoms occur.
If inhaled	: Remove to fresh air. Treat symptomatically. Get medical attention.

### SECTION 5. FIRE-FIGHTING MEASURES

#### Product AS SOLD

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 Nitrogen oxides (NOx)
Special protective equipment for fire-fighters	: Use personal protective equipment.
Specific extinguishing methods	: Collect contaminated fire extinguishing water separately. This must not be discharged into drains. 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

#### Product AS SOLD

Personal precautions, protective equipment and emergency procedures	: Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Avoid inhalation, ingestion and contact with skin and eyes. When workers are facing concentrations above the exposure limit they
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## SAFETY DATA SHEET

### 20 Neutral Disinfectant Cleaner

must use appropriate certified respirators. Ensure clean-up is conducted by trained personnel only. 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.

#### Product AT USE DILUTION

- Personal precautions, protective equipment and emergency procedures : Ensure clean-up is conducted by trained personnel only. 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

#### Product AS SOLD

- Advice on safe handling : Do not ingest. Do not get in eyes, on skin, or on clothing. Do not breathe dust/ fume/ gas/ mist/ vapors/ spray. Use only with adequate ventilation. Wash hands thoroughly after handling. Do not mix with bleach or other chlorinated products – will cause chlorine gas. 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

#### Product AT USE DILUTION

- Advice on safe handling : Do not breathe dust/ fume/ gas/ mist/ vapors/ spray. Use only with adequate ventilation. 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.

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Product AS SOLD

##### Ingredients with workplace control parameters

Components	CAS-No.	Form of exposure	Permissible concentration	Basis
ethanol	64-17-5	TWA	1,000 ppm 1,900 mg/m <sup>3</sup>	NIOSH REL

## SAFETY DATA SHEET

### 20 Neutral Disinfectant Cleaner

		TWA	1,000 ppm 1,900 mg/m <sup>3</sup>	OSHA Z1
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Engineering measures : Effective exhaust ventilation system. Maintain air concentrations below occupational exposure standards.

#### Personal protective equipment

Eye protection : Wear eye protection/ face protection.

Hand protection : Wear the following personal protective equipment:  
Standard glove type.  
Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.

Skin protection : Personal protective equipment comprising: suitable protective gloves, safety goggles and protective clothing

Respiratory protection : When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use.  
Wash face, hands and any exposed skin thoroughly after handling.  
Provide suitable facilities for quick drenching or flushing of the eyes and body in case of contact or splash hazard.

#### Product AT USE DILUTION

Engineering measures : Effective exhaust ventilation system. Maintain air concentrations below occupational exposure standards.

#### 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 : When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

	Product AS SOLD	Product AT USE DILUTION
Appearance	: liquid	liquid
Color	: clear, purple	purple
Odor	: Floral	Floral
pH	: 6.7 - 8.7, (100 %)	6.0 - 9.0
Flash point	: Not applicable, Does not sustain combustion.	
Odor Threshold	: No data available	
Melting point/freezing point	: No data available	
Initial boiling point and boiling range	: > 100 °C	

## SAFETY DATA SHEET

### 20 Neutral Disinfectant Cleaner

Evaporation rate	: No data available
Flammability (solid, gas)	: Not applicable
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
Explosive properties	: No data available
Oxidizing properties	: No data available
Molecular weight	: No data available
VOC	: No data available

### SECTION 10. STABILITY AND REACTIVITY

#### Product AS SOLD

Reactivity	: No dangerous reaction known under conditions of normal use.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: Do not mix with bleach or other chlorinated products – will cause chlorine gas.
Conditions to avoid	: None known.
Incompatible materials	: None known.
Hazardous decomposition products	: In case of fire hazardous decomposition products may be produced such as: Carbon oxides Nitrogen oxides (NOx)

### SECTION 11. TOXICOLOGICAL INFORMATION

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

#### Potential Health Effects

#### Product AS SOLD

Eyes	: Causes serious eye damage.
Skin	: Causes severe skin burns.
Ingestion	: Harmful if swallowed. Causes digestive tract burns.

## SAFETY DATA SHEET

### 20 Neutral Disinfectant Cleaner

Inhalation	: Harmful if inhaled. May cause nose, throat, and lung irritation.
Chronic Exposure	: Suspected of damaging fertility or the unborn child. May cause damage to organs through prolonged or repeated exposure.

#### Product AT USE DILUTION

Eyes	: Health injuries are not known or expected under normal use.
Skin	: Health injuries are not known or expected under normal use.
Ingestion	: Health injuries are not known or expected under normal use.
Inhalation	: Harmful if inhaled.
Chronic Exposure	: Health injuries are not known or expected under normal use.

#### Experience with human exposure

##### Product AS SOLD

Eye contact	: Redness, Pain, Corrosion
Skin contact	: Redness, Pain, Corrosion
Ingestion	: Corrosion, Abdominal pain
Inhalation	: Respiratory irritation, Cough

#### Product AT USE DILUTION

Eye contact	: No symptoms known or expected.
Skin contact	: No symptoms known or expected.
Ingestion	: No symptoms known or expected.
Inhalation	: No information available.

#### Toxicity

##### Product AS SOLD

##### Product

Acute oral toxicity	: Acute toxicity estimate : 310 mg/kg
Acute inhalation toxicity	: Acute toxicity estimate : 1.5 mg/l Test atmosphere: dust/mist
Acute dermal toxicity	: Acute toxicity estimate : 1,500 mg/kg
Skin corrosion/irritation	: No data available
Serious eye damage/eye irritation	: No data available
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

## SAFETY DATA SHEET

### 20 Neutral Disinfectant Cleaner

STOT-single exposure : No data available  
STOT-repeated exposure : No data available  
Aspiration toxicity : No data available

## SECTION 12. ECOLOGICAL INFORMATION

### Ecotoxicity

#### Product AS SOLD

Environmental Effects : Very toxic to aquatic life. Toxic to aquatic life with long lasting effects.

#### Product AT USE DILUTION

Environmental Effects : Harmful to aquatic life.

#### Product AS SOLD

##### 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 : Didecyl Dimethyl Ammonium Chloride  
96 h LC50 Fish: > 1 mg/l  
  
ethanol  
96 h LC50 Pimephales promelas: > 100 mg/l  
  
Tetrasodium EDTA  
96 h LC50 Fish: 121 mg/l

##### Components

Toxicity to daphnia and other aquatic invertebrates : Didecyl Dimethyl Ammonium Chloride  
48 h EC50 Daphnia magna (Water flea): 0.029 mg/l  
  
Alkyl (C14 50%, C12 40%, C16 10%) dimethyl benzyl ammonium chloride  
48 h EC50 Daphnia magna (Water flea): 0.016 mg/l  
  
ethanol  
48 h EC50 Aquatic Invertebrate: 857 mg/l  
  
Tetrasodium EDTA  
48 h EC50 Daphnia magna (Water flea): 140 mg/l

##### Components

Toxicity to algae : Didecyl Dimethyl Ammonium Chloride  
72 h EC50 Pseudokirchneriella subcapitata (algae): 0.062 mg/l  
  
Tetrasodium EDTA  
72 h EC50 Aquatic Plant: > 100 mg/l  
  
1-octanamine, n,n-dimethyl-, n-oxide  
72 h EC50: 27 mg/l

### Persistence and degradability



# SAFETY DATA SHEET

## 20 Neutral Disinfectant Cleaner

### Product AT USE DILUTION

Not applicable - Biocide

### Bioaccumulative potential

No data available

### Mobility in soil

No data available

### Other adverse effects

No data available

## SECTION 13. DISPOSAL CONSIDERATIONS

### Product AS SOLD

- Disposal methods : Do not contaminate ponds, waterways or ditches with chemical or used container. Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations. Dispose of wastes in an approved waste disposal facility.
- Disposal considerations : Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers. Dispose of in accordance with local, state, and federal regulations.

### Product AT USE DILUTION

- Disposal methods : Do not contaminate ponds, waterways or ditches with chemical or used container. Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations. Dispose of wastes in an approved waste disposal facility.
- Disposal considerations : Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers. Dispose of in accordance with local, state, and federal regulations.

## SECTION 14. TRANSPORT INFORMATION

### Product AS SOLD

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)

- UN number : 1903
- Description of the goods : Disinfectant, liquid, corrosive, n.o.s.  
(Alkyl ammonium chloride)
- Class : 8
- Packing group : III
- Environmentally hazardous : no

### Sea transport (IMDG/IMO)

- UN number : 1903
- Proper shipping name : DISINFECTANT, LIQUID, CORROSIVE, N.O.S.

## SAFETY DATA SHEET

### 20 Neutral Disinfectant Cleaner

Class : 8 (Alkyl ammonium chloride)  
Packing group : III  
Marine pollutant : yes

#### SECTION 15. REGULATORY INFORMATION

##### Product AS SOLD

EPA Registration number : 47371-129-1677  
1677;47371-129-AA-1677;N

##### 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** : Acute toxicity (any route of exposure)  
Skin corrosion or irritation  
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.

Hazardous ingredients	CAS-No.	Function	List(s)
water	7732-18-5	Diluent	Not Applicable
Didecyl Dimethyl Ammonium Chloride	7173-51-5	Biocide	Not Applicable
Alkyl (C14 50%, C12 40%, C16 10%) dimethyl benzyl ammonium chloride	68424-85-1	Biocide	Not Applicable
ethylenediamine tetraacetate	60-00-4	Cleaning Agent	Not Applicable
Tetrasodium EDTA	64-02-8	Cleaning Agent	Not Applicable
1-octanamine, n,n-dimethyl-, n-oxide	2605-78-9	Cleaning Agent	Not Applicable
Fragrance Ingredient(s)	Not Available	Fragrance	Not Applicable
Citronellol	106-22-9	Fragrance	FRA
Diethyl Phthalate	84-66-2	Fragrance	19, 21, NFC
Amyl cinnamal	122-40-7	Fragrance	FRA
Limonene	5989-27-5	Fragrance	FRA
Coumarin	91-64-5	Fragrance	FRA
Colorant	Withheld	Dye	Not Applicable

# SAFETY DATA SHEET

## 20 Neutral Disinfectant Cleaner

Benzyl salicylate	118-58-1	Fragrance	FRA
Linalool	78-70-6	Fragrance	FRA
Colorant	Withheld	Dye	Not Applicable
glutaraldehyde	111-30-8	Biocide	8, 20

\*refer to ecolab.com/sds for electronic links to designated lists

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

### United States TSCA Inventory :

All substances listed as active on the TSCA inventory

### Canadian Domestic Substances List (DSL) :

This product contains one or several components that are not on the Canadian DSL nor NDSL.

### Australia. Australian Industrial Chemicals Introduction Scheme (AICIS) :

not determined

### New Zealand. Inventory of Chemical Substances :

not determined

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

not determined

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

not determined

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

not determined

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

not determined

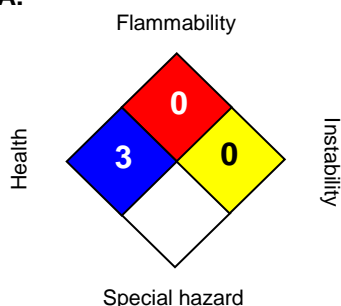
### Taiwan Chemical Substance Inventory (TCSI) :

On the inventory, or in compliance with the inventory

## SECTION 16. OTHER INFORMATION

### Product AS SOLD

#### NFPA:



#### HMIS III:

<b>HEALTH</b>	<b>3</b>
<b>FLAMMABILITY</b>	<b>0</b>
<b>PHYSICAL HAZARD</b>	<b>0</b>

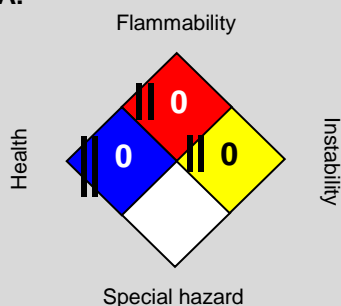
0 = not significant, 1 = Slight,  
2 = Moderate, 3 = High  
4 = Extreme, \* = Chronic

### Product AT USE DILUTION

# SAFETY DATA SHEET

## 20 Neutral Disinfectant Cleaner

### NFPA:



### HMIS III:

HEALTH	0
FLAMMABILITY	0
PHYSICAL HAZARD	0

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

Issuing date : 09/12/2024  
Version : 4.0  
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.