



## SAFETY DATA SHEET

### Neutral Disinfectant Cleaner

#### SECTION 1. PRODUCT IDENTIFICATION

Product name : Neutral Disinfectant Cleaner

Other means of identification : Not applicable

Recommended use : Cleaner and disinfectant

Product dilution information : 0,391 % - 1,56 %

Company : Manufactured or Distributed in Costa Rica by:  
ECOLAB Costa Rica SRL, Zona Franca BES, El Coyol 7 Km al Oeste  
Aeropuerto Juan Santamaría,  
Alajuela, Costa Rica, Código Postal: Apdo109-4003.

Product Distributed in Honduras by:  
ECOLAB Ofibodega Premier, bodega No.8 en el Boulervar del este a  
30 mts de la caseta de peaje, San Pedro Sula, Honduras

Product Distributed in Panama by:  
ECOLAB ALBROOK COMERCIAL PARK, L. D14, CALLE RUBEN  
DARIO, CURUNDU, PANAMÁ

Product Distributed in El Salvador by:  
ECOLAB, S.A, de C,V. 12 Calle Poniente y 23 Avenida Sur #700 San  
Salvador, El Salvador Colonia Cucumayan.

Product Distributed in Guatemala by:  
ECOLAB S.A. ECOLAB 42 CALLE 23-00 ZONA 12, BODEGA 8

Product Distributed in Nicaragua by:  
ECOLAB C.C.R.L . ECOLAB KM. 16.7 CARRETERA A  
TICUANTEPE, 200 MTS A COMUNIDAD SAN PEDRO,  
TICUANTEPE. - MANAGUA, NICARAGUA

Emergency telephone : Costa Rica: For medical emergency information, call 911 and (506)  
2436-3900 in Costa Rica. National Center of Intoxication in Costa  
Rica: (506) 2223-1028  
El Salvador: National Center of Intoxication in EL SALVADOR TEL.  
(503) 22319262  
Guatemala: TOXICOLOGICAL INFORMATION CENTER OF  
GUATEMALA CIAT (502) 2230 0807  
Nicaragua: National Center of Intoxication in NICARAGUA Nº Tel  
(505) 2897150  
Honduras: HOSPITAL ESCUELA DE TEGUCIGALPA HONDURAS  
(504) 2232-2322  
Panama: SYSTEM OF EMERGENCY MANAGEMENT OF THE  
REPUBLIC OF PANAMA (SUME) - TEL. 911

Issuing date : 11.06.2019

#### SECTION 2. HAZARD OR HAZARDS IDENTIFICATION

##### GHS Classification

##### Product AS SOLD

Acute toxicity (Oral), Category 4

H302

Acute toxicity (Inhalation), Category 4

H332

# SAFETY DATA SHEET

## Neutral Disinfectant Cleaner

Acute toxicity (Dermal), Category 4	H312
Skin corrosion/irritation, Sub-category 1B	H314
Serious eye damage/eye irritation, Category 1	H318
Short-term (acute) aquatic hazard, Category 1	H400
Long-term (chronic) aquatic hazard, Category 2	H411

### Product AT USE DILUTION

Acute toxicity (Inhalation), Category 4	H332
Short-term (acute) aquatic hazard, Category 2	H401

### GHS label elements

#### Product AS SOLD

Hazard pictograms



Signal Word : Danger

Hazard Statements : H302 + H312 + H332 Harmful if swallowed, in contact with skin or if inhaled.  
H314 Causes severe skin burns and eye damage.  
H400 Very toxic to aquatic life.  
H411 Toxic to aquatic life with long lasting effects.

Precautionary Statements : **Prevention:**  
P261 Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.  
P264 Wash skin thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
P271 Use only outdoors or in a well-ventilated area.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
**Response:**  
P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth.  
P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.  
P304 + P340 + P310 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/doctor.  
P305 + P351 + P338 + P310 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.  
P362 + P364 Take off contaminated clothing and wash it before reuse.  
P391 Collect spillage.  
**Storage:**  
P405 Store locked up.  
**Disposal:**  
P501 Dispose of contents/ container to an approved waste disposal plant.

# SAFETY DATA SHEET

## Neutral Disinfectant Cleaner

### Product AT USE DILUTION

Hazard pictograms :



Signal Word : Warning

Hazard Statements : H332 Harmful if inhaled.  
H401 Toxic to aquatic life.

Precautionary Statements : **Prevention:**  
P261 Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.  
P271 Use only outdoors or in a well-ventilated area.  
P273 Avoid release to the environment.  
**Response:**  
P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.  
**Disposal:**  
P501 Dispose of contents/ container to an approved waste disposal plant.

### Product AS SOLD

Other hazards : None known.

## SECTION 3. COMPOSITION / INFORMATION OF HAZARDOUS INGREDIENTS

### Product AS SOLD

Pure substance/mixture : Mixture

Chemical name	CAS-No.	Concentration (%)
Didecyl Dimethyl Ammonium Chloride	7173-51-5	10 - 20
n-alkyl (C14 50%; C12 40%; C16 10%) dimethyl benzyl ammonium chloride	68424-85-1	5 - 10
ethanol	64-17-5	1 - 5
monosodium edetate	17421-79-3	1 - 5
1-octanamine, n,n-dimethyl-, n-oxide	2605-78-9	1 - 5
Sodium hydroxide	1310-73-2	1 - 5

### Product AT USE DILUTION

Chemical name	CAS-No.	Concentration (%)
Didecyl Dimethyl Ammonium Chloride	7173-51-5	0,1 - 0,25
n-alkyl (C14 50%; C12 40%; C16 10%) dimethyl benzyl ammonium chloride	68424-85-1	0,1 - 0,25

## 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.

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.

# SAFETY DATA SHEET

## Neutral Disinfectant Cleaner

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 immediately.
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.

### Potential Health Effects

#### Product AS SOLD

Eyes	: Causes serious eye damage.
Skin	: Causes severe skin burns.
Ingestion	: May be harmful if swallowed. Causes digestive tract burns.
Inhalation	: Fatal if inhaled. May cause nose, throat, and lung irritation.
Chronic Exposure	: Health injuries are not known or expected under normal use.

### 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.

## 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.

# SAFETY DATA SHEET

## Neutral Disinfectant Cleaner

- Specific hazards during fire fighting : Not flammable or combustible.
- Hazardous combustion products : Decomposition products may include the following materials:  
Carbon oxides  
Nitrogen oxides (NO<sub>x</sub>)  
Sulfur oxides  
Oxides of phosphorus
- 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. MEASURES TO BE TAKEN IN CASE OF ACCIDENTAL SPILLAGE

#### 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 must use appropriate certified respirators. Ensure clean-up is conducted by trained personnel only. Refer to protective measures listed.
- 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.
- 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. In case of mechanical malfunction, or if in contact with unknown dilution of product, wear full Personal Protective Equipment (PPE).

# SAFETY DATA SHEET

## Neutral Disinfectant Cleaner

Conditions for safe storage : Keep out of reach of children. Keep container tightly closed. 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	STEL	1.000 ppm	CR OEL
ethanol	64-17-5	TLV-TWA	1.000 ppm	DO OEL
ethanol	64-17-5	CPT	1.000 ppm 1.900 mg/m <sup>3</sup>	PA OEL
ethanol	64-17-5	TWA	1.000 ppm 1.900 mg/m <sup>3</sup>	NIOSH REL
		TWA	1.000 ppm 1.900 mg/m <sup>3</sup>	OSHA Z1
Sodium hydroxide	1310-73-2	C	2 mg/m <sup>3</sup>	CR OEL
Sodium hydroxide	1310-73-2	CPT	2 mg/m <sup>3</sup>	PA OEL
		CCT	4 mg/m <sup>3</sup>	PA OEL
Sodium hydroxide	1310-73-2	C	2 mg/m <sup>3</sup>	ACGIH
		Ceiling	2 mg/m <sup>3</sup>	NIOSH REL
		TWA	2 mg/m <sup>3</sup>	OSHA Z1

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

#### Personal protective equipment

Eye protection : Safety goggles  
Face-shield

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

# SAFETY DATA SHEET

## Neutral Disinfectant Cleaner

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, red	light red
Odor	: Disinfectants	Disinfectants
pH	: 7,2 - 8,2, (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	
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	: 0,987 - 1,008	
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	

# SAFETY DATA SHEET

## Neutral Disinfectant Cleaner

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 : No dangerous reaction known under conditions of normal use.

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)  
Sulfur oxides  
Oxides of phosphorus

### SECTION 11. TOXICOLOGICAL INFORMATION

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

#### 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 : 1.500 mg/kg

Acute inhalation toxicity : 4 h Acute toxicity estimate : 2,5 mg/l  
Test atmosphere: dust/mist

Acute dermal toxicity : Acute toxicity estimate : 1.500 mg/kg



# SAFETY DATA SHEET

## Neutral Disinfectant Cleaner

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

## SECTION 12. ECOLOGICAL INFORMATION

### Product AS SOLD Ecotoxicity

Environmental Effects : Toxic to aquatic life with long lasting 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	: Didecyl Dimethyl Ammonium Chloride 96 h LC50 Fish: 1 mg/l
	ethanol 96 h LC50 Pimephales promelas: > 100 mg/l
	monosodium edetate 96 h LC50: > 500 mg/l

### Components

Toxicity to daphnia and other aquatic invertebrates	: n-alkyl (C14 50%; C12 40%; C16 10%) dimethyl benzyl ammonium chloride 48 h EC50 Daphnia magna (Water flea): 0,016 mg/l
	Sodium hydroxide 48 h EC50: 40 mg/l

### Components

Toxicity to algae	: 1-octanamine, n,n-dimethyl-, n-oxide 72 h EC50: 27 mg/l
-------------------	--

### Persistence and degradability

#### Product AS SOLD

Biodegradable/Eliminated from aquatic environment

# SAFETY DATA SHEET

## Neutral Disinfectant Cleaner

### Product AT USE DILUTION

Poorly biodegradable

#### Bioaccumulative potential

No data available

#### Mobility in soil

No data available

#### Other adverse effects

No data available

## SECTION 13. INFORMATION REGARDING THE DISPOSAL OF PRODUCTS

### Product AS SOLD

Disposal methods : Avoid that the product entering in the body of water, drains, pipes, or the earth (grounds). Where possible, recycling is preferable to disposal or incineration in accordance with local legislation. If you can't recycle, dispose according to local regulations. Elimination of waste in approved waste disposal plants.

Disposal considerations : Dispose of in accordance with local, state, and federal regulations. Remove as unused products. Empty containers should be brought to local recycling or waste disposal according to local legislation. Do not reuse empty containers.

### Product AT USE DILUTION

Disposal methods : Avoid that the product entering in the body of water, drains, pipes, or the earth (grounds). Where possible, recycling is preferable to disposal or incineration in accordance with local legislation. If you can't recycle, dispose according to local regulations. Elimination of waste in approved waste disposal plants.

Disposal considerations : Dispose of in accordance with local, state, and federal regulations. Remove as unused products. Empty containers should be brought to local recycling or waste disposal according to local legislation. Do not reuse empty containers.

## 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

UN number : 1903  
Description of the goods : DISINFECTANT, LIQUID, CORROSIVE, N.O.S.  
(quaternary ammonium compound)  
Class : 8  
Packing group : III  
Environmentally hazardous : no

#### Air transport (IATA)

# SAFETY DATA SHEET

## Neutral Disinfectant Cleaner

Contact Regulatory for air freight eligibility

### Sea transport (IMDG/IMO)

UN number : 1903  
Description of the goods : DISINFECTANT, LIQUID, CORROSIVE, N.O.S.  
(quaternary ammonium compound)  
Class : 8  
Packing group : III  
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code : Not applicable  
Marine pollutant : yes

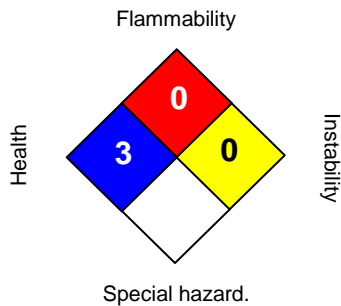
### SECTION 15. REGULATORY INFORMATION

Our Safety Data Sheet (SDS) complies with Decree n ° 40705-S

### SECTION 16. OTHER INFORMATION

#### Product AS SOLD

##### NFPA:



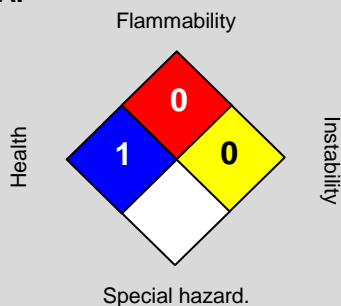
##### HMIS III:

<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

##### 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 : 11.06.2019  
Version : 1.0  
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.

## **SAFETY DATA SHEET**

### **Neutral Disinfectant Cleaner**

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.