# SAFETY DATA SHEET



#### ANTIMICROBIAL FRUIT & VEGETABLE TREATMENT

### Section 1. Chemical product and company identification

Product name : ANTIMICROBIAL FRUIT & VEGETABLE TREATMENT

Recommended use and

restrictions

: Sanitizer.

Use only for the purpose on the product label.

Product dilution information : Up to 1.0 oz/gal or 7.8 mL/L in water

Supplier's information : Ecolab Inc. Institutional Division

370 N. Wabasha Street St. Paul, MN 55102 1-800-352-5326

 Code
 : 913510

 Date of issue
 : 16 Jan 2014

 EPA Registration No.
 : 1677-234

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: SKIN - Category 4

SERIOUS EYE DAMAGE/ EYE IRRITATION -

Category 2A

SKIN SENSITIZATION - Category 1

**GHS** label elements

Signal word : Warning

**Symbol** 

**(!)** 

**Hazard statements**: Harmful in contact with skin.

Causes serious eye irritation.

May cause an allergic skin reaction.

**Precautionary statements** 

**Prevention**: Wear eye or face protection. Avoid breathing

vapor. Wash hands thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Do not mix with bleach or other chlorinated products - will

cause chlorine gas.

**Response**: 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 skin irritation or rash occurs: Get medical attention. 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:

**Product AT USE DILUTION** 

ACUTE TOXICITY: SKIN - Category 4

Warning



Harmful in contact with skin.

Wash thoroughly after handling.

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.

Page: 1/7

### Section 2. Hazards identification

Get medical attention.

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	
SODIUM DODECYLBENZENESULFONATE	1	25155-30-0	
LACTIC ACID	17.29	50-21-5	
propanoic acid, 2-hydroxy-, (s)-	5 - 20	79-33-4	
SODIUM BISULFATE	5 - 20	7681-38-1	

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

Within the present knowledge of the supplier, this product does not contain any hazardous ingredients in quantities requiring reporting, in accordance with local regulations.

#### Section 4. First aid measures

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Eye contact : In case of contact, immediately flush eyes with

plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if

irritation persists.

: In case of contact, immediately flush skin with Skin contact

plenty of water for at least 15 minutes while removing contaminated clothing and shoes. If skin irritation or rash occurs: Get medical attention. Wash clothing before reuse. Clean

shoes thoroughly before reuse.

Inhalation : No special measures required. Treat

symptomatically.

Ingestion : Get medical attention if symptoms occur. No special measures required. Treat

**Product AT USE DILUTION** 

water for a few minutes.

No known effect after eye contact. Rinse with

Wash with plenty of soap and water. Get

medical attention. Wash clothing before

reuse. Clean shoes thoroughly before reuse.

symptomatically.

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.

: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have Notes to physician

been ingested or inhaled.

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.

Hazardous thermal

decomposition products

### Section 5. Fire-fighting measures

Decomposition products may include the following materials:

carbon dioxide carbon monoxide sulfur oxides 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

### Section 6. Accidental release measures

#### **Product AS SOLD**

Personal precautions

: Use personal protective equipment as required.

Environmental precautions

: Avoid contact of large amounts of spilled material and runoff with soil and surface waterways.

Methods for cleaning up

: 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. Do not mix with bleach or other chlorinated products - will cause chlorine

gas. 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.

## Section 8. Exposure controls/personal protection

#### **Control parameters**

Ingredient name	Exposure limits
None.	

#### **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.

Personal protection

**Eye protection**: Wear eye protection.

**Hand protection**: No protective equipment is needed under normal

use conditions.

Skin protection :

#### **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.

### Section 8. Exposure controls/personal protection

No protective equipment is needed under normal

use conditions.

Respiratory protection

: A respirator is not needed under normal and

intended conditions of product use.

No protective equipment is needed under normal use conditions.

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.

### Section 9. Physical and chemical properties

**Product AS SOLD** 

Physical state : Liquid.

Color : Green [Dark] Odor : Odorless : 0.5 to 1 (100%) На Flash point

: >93.3 °C (Closed cup)

Product does not support combustion.

: Not available.

**Explosion limits** Flammability (solid,

: Not available.

gas)

: Not available.

**Boiling point Evaporation rate** 

**Melting point** 

: >100°C (>212°F) : Not available.

(butyl acetate = 1)

Vapor pressure : Not available. Vapor density : Not available.

Relative density : 1.1006 to 1.1066 (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

: Dynamic (room temperature): 1000 mPa·s (1000

Kinematic (room temperature): 9.0775665 cm<sup>2</sup>/s

(907.75665 cSt)

### 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 Reactive or incompatible with the following materials: metals and alkalis. Do not mix

with bleach or other chlorinated products - will cause chlorine gas.

Odorless 2.1 to 3.2

**Product AT USE DILUTION** 

Liquid.

> 100°C

Green [Light]

### Section 10. Stability and reactivity

Hazardous decomposition

Under normal conditions of storage and use, hazardous decomposition products

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 or irritation watering redness

Skin contact : Adverse symptoms may include the following:

> irritation redness

Inhalation : No specific data. Ingestion : No specific data.

Acute toxicity

Eye contact : Causes serious eye irritation.

Skin contact : Harmful in contact with skin. May cause an

allergic skin reaction.

Inhalation : No known significant effects or critical hazards.

Ingestion : No known significant effects or critical hazards. Product AT USE DILUTION

No specific data.

No specific data.

No specific data. No specific data.

No known significant effects or critical

hazards.

Harmful in contact with skin.

No known significant effects or critical

hazards.

No known significant effects or critical

hazards.

#### **Toxicity data**

#### Product/ingredient name

propanoic acid, 2-hydroxy-, (s)-LC50 Inhalation Rat >7.94 mg/l

Dusts and mists

LD50 Dermal Rabbit >2000 mg/kg LD50 Oral Rat 3543 mg/kg LC50 Inhalation Rat >2.4 mg/l

**Dusts and mists** 

LD50 Oral Rat

2140 mg/kg sodium dodecylbenzene sulfonate LD50 Dermal Rat >2000 mg/kg

LD50 Oral Rat 1086 mg/kg

**Chronic toxicity** 

Sodium bisulfate

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** : 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.

Page: 5/7

### 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)

#### **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 Classification** UN3265

**DOT Proper shipping name** Corrosive liquid, acidic, organic, n.o.s. (Lactic acid)

8 Class Packing group Ш

**IMO/IMDG** 

IMO/IMDG Classification UN3265

IMO/IMDG Proper shipping name CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (Lactic acid)

8 Class Packing group Ш

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.** : 1677-234

SARA 302/304/311/312 extremely hazardous substances: No listed substance SARA 302/304 emergency planning and notification: No listed substance

CAS number Concentration **SARA 313 Product name** 

: No listed substance Form R - Reporting

requirements

California Prop. 65 : No listed substance

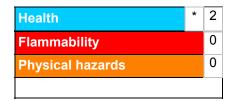
Section 16. Other information

Page: 6/7

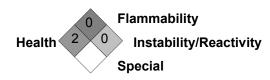
### Section 16. Other information

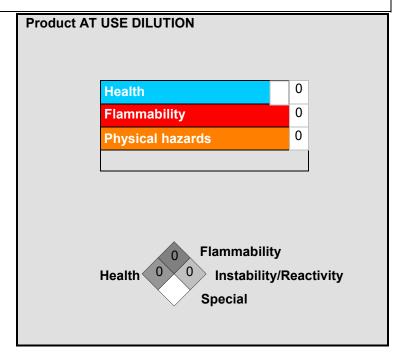
#### Product AS SOLD

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



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





Date of issue : 16 Jan 2014
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.