



# Safety Data Sheet

Issue Date 25-Aug-17

Revision Date: 17-Nov-17

Version 1.1

## 1. IDENTIFICATION

### Product Identifier

**Product Name** Fruit & Veggie Wash

### Other Means of Identification

**Product Code** 233000

### Recommended Use of the Chemical and Restrictions on Use

**Recommended Use** Antimicrobial treatment for Fruit and Vegetable process water. For industrial use.

### Details of the Supplier of the Safety Data Sheet

Midlab, Inc.  
140 Private Brand Way  
Athens, TN 37303

### Emergency Telephone Number

**Company Phone Number** Phone: 1-423-337-3180  
**Emergency Telephone (24 hr)** INFOTRAC 1-352-323-3500 (International)  
1-800-535-5053 (North America)

## 2. HAZARDS IDENTIFICATION

**Appearance** Turquoise

**Physical State** Liquid

**Odor** Characteristic

### Classification

Skin corrosion/irritation	Category 3
Serious eye damage/eye irritation	Category 2 Sub-category A

### Signal Word

**Warning**



### Hazard Statements

Causes mild skin irritation.  
Causes serious eye irritation.

### Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling.  
Wear eye protection/face protection.

### Precautionary Statements - 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.  
If skin irritation occurs: Get medical advice/attention.

### Precautionary Statements - Storage

No other specific measures identified.

### Precautionary Statements - Disposal

No other specific measures identified.

### Unknown Acute Toxicity

None know.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Water	7732-18-5	60-100
Lactic Acid	79-33-4	10-30
Sodium bisulfate	7681-38-1	5-10
Citric Acid	77-92-9	1-5
Dodecylbenzenesulfonic acid, sodium salt	25155-30-0	1-5

\*\*If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.\*\*

### 4. FIRST-AID MEASURES

#### First Aid Measures

<b>Eye Contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove and discard contact lenses. Seek immediate medical attention/advice.
<b>Skin Contact</b>	Wash off immediately with plenty of water for at least 15 minutes. Take off contaminated clothing. Wash contaminated clothing before reuse. Get medical attention if irritation occurs/persists.
<b>Inhalation</b>	Remove to fresh air. Get medical attention immediately.
<b>Ingestion</b>	Rinse mouth. Drink plenty of water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately.

#### Most Important Symptoms and Effects

<b>Symptoms</b>	Severe irritant to eyes.
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#### Indication of Any Immediate Medical Attention and Special Treatment Needed

<b>Notes to Physician</b>	Treat symptomatically.
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### 5. FIRE-FIGHTING MEASURES

#### Suitable Extinguishing Media

Water spray (fog). Carbon dioxide (CO<sub>2</sub>). Dry chemical. Foam.

#### Unsuitable Extinguishing Media

Not determined.

#### Specific Hazards Arising from the Chemical

None known.

#### Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

### 6. ACCIDENTAL RELEASE MEASURES

#### Personal Precautions, Protective Equipment and Emergency Procedures

<b>Personal Precautions</b>	Use personal protective equipment as required.
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<b>Environmental Precautions</b>	Avoid release to the environment.
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#### Methods and Material for Containment and Cleaning Up

<b>Methods for Containment</b>	Prevent further leakage or spillage if safe to do so.
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<b>Methods for Clean-Up</b>	Collect spillage. Collect in a clean, dry waste container for disposal. Dilute remaining residue with water.
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## 7. HANDLING AND STORAGE

### Precautions for Safe Handling

<b>Advice on Safe Handling</b>	Wash thoroughly after handling. Use personal protection recommended in Section 8. Do not breathe dust/fume/gas/mist/vapors/spray.
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### Conditions for Safe Storage, including Any Incompatibilities

<b>Storage Conditions</b>	Keep containers tightly closed in a dry, cool and well-ventilated place. Keep locked up and out of reach of children. Keep only in original container. Keep from freezing.
<b>Incompatible Materials</b>	Bases. Oxidizing agents. Reducing agents.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<b><u>Exposure Guidelines</u></b>	Contains no substances with occupational exposure limits.
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### Appropriate Engineering Controls

<b>Engineering Controls</b>	Ventilation systems. Eyewash stations. Showers.
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### Individual Protection Measures, such as Personal Protective Equipment

<b>Eye/Face Protection</b>	Splash goggles or safety glasses.
<b>Skin and Body Protection</b>	Rubber, Nitrile, PVC, or other chemically resistant skin protection to prevent contact.
<b>Respiratory Protection</b>	Ensure adequate ventilation, especially in confined areas.
<b>General Hygiene Considerations</b>	Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on Basic Physical and Chemical Properties

<b>Physical State</b>	Liquid	<b>Odor</b>	Characteristic
<b>Appearance</b>	Hazy, Opaque	<b>Odor Threshold</b>	Not determined
<b>Color</b>	Turquoise		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	< 1.5	
Melting Point/Freezing Point	Not known	
Boiling Point/Boiling Range	100 °C / 212 °F	
Flash Point	Not applicable	
Evaporation Rate	Not determined	
Flammability (Solid, Gas)	n/a-liquid	
Upper Flammability Limits	Not determined	
Lower Flammability Limit	Not determined	
Vapor Pressure	Not determined	
Vapor Density	Not determined	
Specific Gravity	1.136	
Water Solubility	Completely soluble	@ 25 °C (77 °F)
Solubility in other solvents	Not determined	
Partition Coefficient	Not determined	
Auto-ignition Temperature	Not determined	
Decomposition Temperature	Not determined	
Kinematic Viscosity	Not determined	
Dynamic Viscosity	Not determined	

<b>Explosive Properties</b>	Not determined
<b>Oxidizing Properties</b>	Not determined

## 10. STABILITY AND REACTIVITY

### Reactivity

Not reactive under normal conditions.

### Chemical Stability

Stable under recommended storage conditions.

### Possibility of Hazardous Reactions

None under normal processing.

### Conditions to Avoid

Keep out of reach of children. Keep from freezing.

### Incompatible Materials

Avoid oxidizing agents, bases, and reducing agents.

### Hazardous Decomposition Products

Thermal decomposition may produce oxides carbon.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely Routes of Exposure

#### Product Information

<b>Eye Contact</b>	Causes serious eye irritation.
<b>Skin Contact</b>	Causes mild skin irritation.
<b>Inhalation</b>	Avoid breathing vapors or mists.
<b>Ingestion</b>	Do not taste or swallow.

### Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Lactic Acid 79-33-4	> 3730 mg/kg (Rat)	> 7940 mg/kg	-
Citric Acid 77-92-9	5400 mg/kg (Mouse)	>2000 mg/kg	-
Dodecylbenzensulfonic acid, sodium salt 25155-30-0	1080– 1980 mg/kg (Rat)	>2000 mg/kg (Rabbit)	-

### Information on Physical, Chemical and Toxicological Effects

<b>Symptoms</b>	Please see section 4 of this SDS for symptoms.
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### Delayed and Immediate Effects as well as Chronic Effects from Short and Long-Term Exposure

<b>Carcinogenicity</b>	Not classifiable as a human carcinogen.
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### Numerical Measures of Toxicity

Not determined

### Unknown Acute Toxicity

None known.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Lactic Acid 79-33-4	3.5 g/L (72hr) Selenastrum capricornutum (growth inhibition)	130 mg/L (96hr) Oncorhynchus mykiss	> 100 mg/L (3hr) Sludge treatment	130 mg/L (48hr) Daphnia magna
Citric Acid 79-92-9	-	440 mg/L (48hr) Fish	-	1535 mg/L (24 hr) Daphnia magna
Dodecylbenzensulfonic acid, sodium salt 25155-30-0	29 mg/L (72hr) Algae	3 mg/L (96hr) Fish	-	1.62 – 9.3 mg/l (48hr) Daphnia

**Persistence/Degradability**

Not determined

**Bioaccumulation**

Not determined

**Mobility**

Not determined.

**Other Adverse Effects**

Not determined

## 13. DISPOSAL CONSIDERATIONS

**Waste Treatment Methods****Disposal of Wastes**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated Packaging**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

## 14. TRANSPORT INFORMATION

**DOT**

**UN3265, CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S., (LACTIC ACID), 8, PG III**

49 CFR §173.154 (Exemption)\*: This product can ship as a “Consumer Commodity” or “Limited Quantity” and reclassified as “ORM-D” if packaged in <1.3 gallons (5.0 Liter) containers (Non Hazardous)

**IATA  
IMDG**

## 15. REGULATORY INFORMATION

**International Inventories**

Not determined

**US Federal Regulations****CERCLA**

None listed.

**SARA 311/312 Hazard Categories**

**Acute Health Hazard**

Yes

**SARA 313**

None listed.

**CWA (Clean Water Act)**

None listed.

**US State Regulations****U.S. State Right-to-Know Regulations**

Chemical Name	State List
Lactic Acid 79-33-4	NJ, PA

AZ- Arizona Ambient Air Quality Guidelines

CT- Connecticut Hazardous Air Pollutants

CA- California Director's List of Hazardous Substances

CAP65- California Prop65

FL- Florida Substances List

ID- Idaho Non-Carcinogen Toxic Air Pollutants

IL- Illinois Toxic Air Contaminant-Carcinogenic

MA- Massachusetts Right to Know List

MN- Minnesota Hazardous Substances List

NJ- New Jersey Right to Know List

PA- Pennsylvania Right to Know List

RI- Rhode Island Hazardous Substances List

**16. OTHER INFORMATION****NFPA****Health Hazards**

Not determined

**Flammability**

Not determined

**Instability**

Not determined

**Special Hazards**

Not determined

**HMIS****Health Hazards**

2

**Flammability**

0

**Physical Hazards**

0

**Personal Protection**

Not determined

**Issue Date**

25-Aug-17

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17-Nov-17

**Revision Note**

Version 1.1 Update Section 14

**Disclaimer**

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.

**Keep Out of Reach of Children. For Industrial and Institutional Use Only.**

\*Denotes changes from last version.

**End of Safety Data Sheet**