Suma Eden D4.5 Antimicrobial Fruit and Vegetable Wash

1. IDENTIFICATION

Product name: Suma Eden D4.5 Antimicrobial Fruit and Vegetable Wash
Product Code: 94374827, 100863631
SDS #: MS0800307
Recommended use:
• Kitchen hygiene product
• This product is intended to be diluted prior to use
Uses advised against:
Uses other than those identified are not recommended

Emergency telephone number:
1-800-851-7145; 1-651-917-6133 (Int'l)

2. HAZARDS IDENTIFICATION

Classification for the undiluted product
Skin corrosion/irritation Category 1B
Serious eye damage/eye irritation Category 1
Metal Corrosion: Category 1

Signal Word: Danger.

Hazard Statements
CAUSES SEVERE SKIN BURNS AND SERIOUS EYE DAMAGE. MAY BE CORROSIVE TO METALS.

Precautionary Statements
Causes burns/serious damage to mouth, throat and stomach. Keep container tightly closed. Keep only in original container. Avoid contact with eyes, skin and clothing. Wash affected areas thoroughly after handling. Wear protective gloves, protective clothing and eye or face protection. IF SWALLOWED: Rinse mouth. DO NOT induce vomiting unless directed to do so by medical personnel. Drink a cupful of milk or water. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water for at least 15 minutes. Wash contaminated clothing before reuse. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes. Immediately call a Poison Center (1-800-851-7145) or physician. Absorb spillage to prevent material damage. Store in corrosive-resistant container with a resistant inner liner. Dispose of in accordance with all federal, state and local applicable regulations. SUPPLEMENTAL INFORMATION: DO NOT MIX WITH AMMONIA, BLEACH OR OTHER CHLORINATED COMPOUNDS. Mix only with water. Can react to release hazardous gases. May vigorously react with strong alkaline products resulting in spattering and excessive heat.

Health hazards not otherwise classified (HHNOC) - Not applicable
Physical hazards not otherwise classified (PHNOC) - Not applicable
Classification for the diluted product @ 1:1000
This product, when diluted as stated on the label, is not classified as hazardous according to OSHA 29CFR 1910.1200 (HazCom 2012-GHS) and Canadian Hazardous Products Regulations (HPR) (WHMIS 2015-GHS).

Hazard and Precautionary Statements
None required.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Classified Ingredients

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>CAS #</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lactic acid</td>
<td>79-33-4</td>
<td>15 - 40%</td>
</tr>
<tr>
<td>Phosphoric acid</td>
<td>7664-38-2</td>
<td>10 - 30%</td>
</tr>
<tr>
<td>Sodium lauryl sulfate</td>
<td>151-21-3</td>
<td>&gt; 0.1 - &lt; 1%</td>
</tr>
</tbody>
</table>

*Exact percentages are being withheld as trade secret information

4. FIRST AID MEASURES

Undiluted Product:

Eyes: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes.
Skin: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water for at least 15 minutes.
Inhalation: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
Ingestion: IF SWALLOWED: Rinse mouth. DO NOT induce vomiting unless directed to do so by medical personnel. Drink a cupful of milk or water.

Most Important Symptoms/Effects: No information available.
Immediate medical attention and special treatment needed: Not applicable.
Aggravated Medical Conditions: Individuals with chronic respiratory disorders such as asthma, chronic bronchitis, emphysema, etc., may be more susceptible to irritating effects.

Diluted Product:

Eyes: Rinse with plenty of water.
Skin: No specific first aid measures are required
Inhalation: No specific first aid measures are required
Ingestion: IF SWALLOWED: Call a Poison Center (1-800-851-7145) or doctor/physician if you feel unwell.

5. FIRE-FIGHTING MEASURES

Specific methods: No special methods required
Suitable extinguishing media: The product is not flammable. Extinguish fire using agent suitable for surrounding fire.
Specific hazards: None known. Corrosive material (See sections 8 and 10).

Special protective equipment for firefighters: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
Extinguishing media which must not be used for safety reasons: No information available.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Put on appropriate personal protective equipment (see Section 8.).
Environmental precautions and clean-up methods: Clean-up methods - large spillage. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Use a water rinse for final clean-up.

7. HANDLING AND STORAGE

Handling: Avoid contact with skin, eyes and clothing. Wash thoroughly after handling. Do not taste or swallow. Avoid breathing vapors or mists. Use only with adequate ventilation. Remove and wash contaminated clothing and footwear before re-use. Absorb spillage to prevent material damage. Product residue may remain on/in empty containers. All precautions for handling the product must be used in handling the empty container and residue. DO NOT MIX WITH AMMONIA, BLEACH, OR OTHER CHLORINATED COMPOUNDS. May vigorously react with strong alkaline products resulting in spattering and excessive heat. Can react to release hazardous gases. Mix only with water.
Storage: Keep tightly closed in a dry, cool and well-ventilated place. Store in corrosive-resistant container with a resistant inner liner.
Aerosol Level (if applicable): Not applicable.
8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines:

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>CAS #</th>
<th>ACGIH</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phosphoric acid</td>
<td>7664-38-2</td>
<td>3 mg/m³ (STEL)</td>
<td>1 mg/m³ (TWA)</td>
</tr>
</tbody>
</table>

**Undiluted Product:**

**Engineering measures to reduce exposure:**
Good general ventilation should be sufficient to control airborne levels.

**Personal Protective Equipment**
- Eye protection: Chemical-splash goggles.
- Hand protection: Chemical-resistant gloves.
- Skin and body protection: Protective footwear. Wear suitable protective clothing.
- Respiratory protection: No personal protective equipment required under normal use conditions.
- Hygiene measures: Handle in accordance with good industrial hygiene and safety practice.

**Diluted Product:**

**Engineering measures to reduce exposure:**
Good general ventilation should be sufficient to control airborne levels.

**Personal Protective Equipment**
- Eye protection: No personal protective equipment required under normal use conditions.
- Hand protection: No personal protective equipment required under normal use conditions.
- Skin and body protection: No personal protective equipment required under normal use conditions.
- Respiratory protection: No personal protective equipment required under normal use conditions.
- Hygiene measures: Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

- Physical State: Liquid
- Evaporation Rate: No information available
- Melting point/range: Not determined
- Autoignition temperature: Not determined
- Solubility in other solvents: No information available
- Density: 10.81 lbs/gal 1.2956 Kg/L
- Bulk density: No information available
- Flash point (°F): >200 °F > 93 °C
- Viscosity: No information available
- VOC: 0 % *
- Flammability (Solid or Gas): Not applicable
- Sustained combustion: Not applicable
- Explosion limits: - upper: Not determined - lower: Not determined

\[ \text{Partition coefficient (n-octanol/water):} \text{ \hspace{1cm} No information available} \]

\[ \text{Corrosion to metals:} \text{ \hspace{1cm} Metal corrosive} \]

\[ \text{Flash point (°F):} \text{ \hspace{1cm} > 200 °F > 93.3 °C} \]

\[ \text{VOC % by wt. at use dilution:} \text{ \hspace{1cm} 0 %} \]

* - Title 17, California Code of Regulations, Division 3, Chapter 1, Subchapter 8.5, Article 2, Consumer Products, Sections 94508

10. STABILITY AND REACTIVITY

- Reactivity: Not Applicable
- Stability: The product is stable
- Possibility of hazardous reactions: May vigorously react with strong alkaline products resulting in spattering and excessive heat.
- Hazardous decomposition products: None reasonably foreseeable.
- Materials to avoid: Strong bases. Ammonia. Do not mix with chlorinated products (such as bleach). Do not mix with any other product or chemical unless specified in the use directions.
- Conditions to avoid: No information available.

11. TOXICOLOGICAL INFORMATION
Information on likely routes of exposure:
Skin contact, Inhalation, Ingestion, Eye contact

Delayed, immediate, or chronic effects and symptoms from short and long-term exposure:

**Skin contact:** Corrosive. Causes severe burns. Symptoms may include burns, blisters, redness and pain (which may be delayed). **Eye contact:** Corrosive. Causes serious eye damage. Symptoms may include pain, burning sensation, redness, watering, blurred vision or loss of vision. **Ingestion:** Causes burns/serious damage to mouth, throat and stomach. Symptoms may include stomach pain and nausea. **Inhalation:** May cause irritation and corrosive effects to nose, throat and respiratory tract. Symptoms may include coughing and difficulty breathing. **Sensitization:** No known effects. Target Organs (SE): None known Target Organs (RE): None known

**Numerical measures of toxicity**
ATE - Oral (mg/kg): >5000

12. ECOLOGICAL INFORMATION

Ecotoxicity: No information available.

Persistence and Degradability: No information available.

Bioaccumulation: No information available.

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products (undiluted product): This product, as sold, if discarded or disposed, is a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the waste solution meets RCRA criteria for hazardous waste. Dispose in compliance with all Federal, state, provincial, and local laws and regulations.

Waste from residues / unused products (diluted product): This product, when diluted as stated on this SDS, is a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the waste solution meets RCRA criteria for hazardous waste. Dispose in compliance with all Federal, state, provincial, and local laws and regulations.

RCRA Hazard Class (undiluted product): D002 Corrosive Waste
RCRA Hazard Class (diluted product): D002 Corrosive Waste
Contaminated Packaging: Do not re-use empty containers.

14. TRANSPORT INFORMATION

DOT/TDG/IMDG: The information provided below is the full transportation classification for this product. This description does not account for the package size(s) of this product, that may fall under a quantity exception, according to the applicable transportation regulations. When shipping dangerous goods, please consult with your internal, certified hazardous materials specialist to determine if any exceptions can be applied to your shipment.

**DOT (Ground) Bill of Lading Description**: LTD. QTY.
**IMDG (Ocean) Bill of Lading Description**: UN1805, PHOSPHORIC ACID SOLUTION, 8, III, LTD. QTY

15. REGULATORY INFORMATION

International Inventories at CAS# Level

RIGHT TO KNOW (RTK)
### Ingredient(s)

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>CAS #</th>
<th>MARTK:</th>
<th>NJRTK:</th>
<th>PARTK:</th>
<th>RIRTK:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lactic acid</td>
<td>79-33-4</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Phosphoric acid</td>
<td>7664-38-2</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
</tbody>
</table>

### CERCLA/ SARA

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>CAS #</th>
<th>Weight %</th>
<th>CERCLA/SARA RQ (lbs)</th>
<th>Section 302 TPQ (lbs)</th>
<th>Section 313</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phosphoric acid</td>
<td>7664-38-2</td>
<td>10 - 30%</td>
<td>5000</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Canadian Regulations

#### 16. OTHER INFORMATION

**NFPA (National Fire Protection Association)**
Rating Scale: (Low Hazard) 0 - 4 (Extreme Hazard)

- **Health**: 3
- **Flammability**: 0
- **Instability**: 0
- **Special Hazards**: -

**Diluted Product:**

- **Health**: 0
- **Flammability**: 0
- **Instability**: 0
- **Special Hazards**: -

**Revision**: 2019-06-21
**Version**: 01.0
**Reason for revision**: Not applicable
**Prepared by**: North American Regulatory Affairs
**Additional advice**: • Does not contain an added fragrance

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