1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product identifier
Product Name: Amber Antibacterial Hand Soap
Item Number: 403AA

Other means of identification
Synonyms: None

Recommended use of the chemical and restrictions on use
Recommended Use: Antibacterial Hand Soap
Uses advised against: Use only as directed.

Details of the supplier of the safety data sheet
Supplier Name: Vi-Jon Inc.
Supplier Address: Vi-Jon Inc.
8800 Page Avenue
Saint Louis
MO
63114
US

Supplier Phone Number: Phone: 314-427-1000 (M-F 8am-4pm CST)
Fax:3144271010
Supplier Email: info@vijon.com
Emergency telephone number: Chemtrec: 1-800-424-9300 (24-Hour)
2. HAZARDS IDENTIFICATION

Classification
This product contains a chemical or chemicals considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.122). The following classifications are based on an individual ingredient or ingredients and not the finished product.

<table>
<thead>
<tr>
<th>Classification</th>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>Respiratory sensitization</td>
<td>1</td>
</tr>
<tr>
<td>Skin sensitization</td>
<td>1</td>
</tr>
</tbody>
</table>

GHS Label elements, including precautionary statements

Emergency Overview

**Signal word**: Danger

**Hazard statements**
May cause an allergic skin reaction

<table>
<thead>
<tr>
<th>Appearance</th>
<th>Physical State</th>
<th>Odor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clear to Slightly Hazy, Orange, Slightly Viscous Liquid</td>
<td>Slightly viscous liquid</td>
<td>Soapy, Spicy</td>
</tr>
</tbody>
</table>

**Precautionary Statements - Prevention**
Avoid breathing fumes/gas/mist/vapors/spray
In case of inadequate ventilation wear respiratory protection

**Precautionary Statements - Response**
Specific treatment (see supplemental first aid instructions on this label)

**Skin**
IF ON SKIN: If skin irritation or rash occurs: Get medical advice/attention

**Eyes**
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 or doctor/physician

**Inhalation**
IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician

**Precautionary Statements - Storage**
None

**Precautionary Statements - Disposal**
Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)**
Not Applicable

**Unknown Toxicity**
2.58595% of the mixture consists of ingredient(s) of unknown toxicity

**Other information**
May cause eye irritation
Repeated or prolonged skin contact may cause allergic reactions with susceptible persons

**Interactions with Other Chemicals**
3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No</th>
<th>Weight %</th>
<th>Trade Secret</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benzalkonium Chloride 0.13% w/w</td>
<td>68391-1-5</td>
<td>0.13</td>
<td></td>
</tr>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>50-100</td>
<td>*</td>
</tr>
<tr>
<td>Cetrimonium Chloride</td>
<td>112-02-7</td>
<td>0-10</td>
<td>*</td>
</tr>
<tr>
<td>Glycerin</td>
<td>56-81-5</td>
<td>0-10</td>
<td>*</td>
</tr>
<tr>
<td>Lauramidopropylamine Oxide</td>
<td>61792-31-2</td>
<td>0-10</td>
<td>*</td>
</tr>
<tr>
<td>Cocamide MEA</td>
<td>68140-00-1</td>
<td>0-10</td>
<td>*</td>
</tr>
<tr>
<td>Myristamidopropylamine Oxide</td>
<td>67806-10-4</td>
<td>0-10</td>
<td>*</td>
</tr>
<tr>
<td>PEG-120 Methyl Glucose Dioleate</td>
<td>86893-19-8</td>
<td>0-10</td>
<td>*</td>
</tr>
<tr>
<td>Fragrance</td>
<td>Fragrance</td>
<td>0-10</td>
<td>*</td>
</tr>
<tr>
<td>Sodium Sulfate</td>
<td>7727-73-3</td>
<td>0-10</td>
<td>*</td>
</tr>
<tr>
<td>Sodium Chloride</td>
<td>7647-14-5</td>
<td>0-10</td>
<td>*</td>
</tr>
<tr>
<td>Citric Acid</td>
<td>77-92-9</td>
<td>0-10</td>
<td>*</td>
</tr>
<tr>
<td>Tetrasodium EDTA</td>
<td>64-02-8</td>
<td>0-10</td>
<td>*</td>
</tr>
<tr>
<td>Phenoxyethanol</td>
<td>122-99-6</td>
<td>0-10</td>
<td>*</td>
</tr>
<tr>
<td>Methylisothiazolinone</td>
<td>2682-20-4</td>
<td>0-10</td>
<td>*</td>
</tr>
<tr>
<td>Yellow 5</td>
<td>1934-21-0</td>
<td>0-10</td>
<td>*</td>
</tr>
<tr>
<td>Red 4</td>
<td>4548-53-2</td>
<td>0-10</td>
<td>*</td>
</tr>
</tbody>
</table>

* The exact percentage (concentration) of composition has been withheld as a trade secret

4. FIRST AID MEASURES

First aid measures

General Advice
Show this safety data sheet to the doctor in attendance.

Eye Contact
Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Remove contact lenses, if applicable, and continue flushing. If symptoms persist, call a physician.

Skin Contact
In the case of skin irritation or allergic reactions see a physician.

Inhalation
Move to fresh air. If breathing is difficult, give oxygen. If symptoms persist, call a physician.

Ingestion
Do NOT induce vomiting. Clean mouth with water and afterwards drink plenty of water. Consult a physician if necessary.

Most important symptoms and effects, both acute and delayed

Most Important Symptoms/Effects
Itching. Rashes. Hives. Coughing and/ or wheezing. May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Indication of any immediate medical attention and special treatment needed

Notes to Physician
Treat symptomatically. May cause sensitization of susceptible persons.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media
CAUTION: Use of water spray when fighting fire may be inefficient.

Specific Hazards Arising from the Chemical
Product contains a sensitizer. May cause sensitization by inhalation or skin contact.

Uniform Fire Code
Sensitizer: Liquid

Hazardous Combustion Products
Carbon oxides.

Explosion Data
Sensitivity to Mechanical Impact No
Sensitivity to Static Discharge No

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

Personal Precautions
Avoid contact with eyes. Ensure adequate ventilation.

Other Information
Refer to protective measures listed in Sections 7 and 8.

Environmental precautions

Environmental Precautions
Refer to protective measures listed in Sections 7 and 8. Prevent further leakage or spillage if safe to do so.

Methods and material for containment and cleaning up

Methods for Containment
Prevent further leakage or spillage if safe to do so.

Methods for Cleaning Up
Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. Keep in suitable and closed containers for disposal.

7. HANDLING AND STORAGE

Precautions for safe handling

Handling
Handle in accordance with good industrial hygiene and safety practice. Avoid contact with eyes. Ensure adequate ventilation.

Conditions for safe storage, including any incompatibilities

Storage
Keep tightly closed in a dry and cool place. Keep in properly labeled containers.

Incompatible Products
None known.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines
There is no exposure data pertaining to the Product. This section reflects exposure data pertaining to individual ingredients.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>NIOSH IDLH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glycerin</td>
<td>TWA: 10 mg/m³ mist</td>
<td>TWA: 15 mg/m³ mist, total particulate</td>
<td>(vacated) TWA: 5 mg/m³ dust, respirable fraction</td>
</tr>
<tr>
<td>56-81-5</td>
<td></td>
<td>TWA: 5 mg/m³ mist, respirable fraction</td>
<td>(vacated) TWA: 5 mg/m³ dust, respirable fraction</td>
</tr>
</tbody>
</table>

ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value. OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits. NIOSH IDLH: Immediately Dangerous to Life or Health.

Other Exposure Guidelines
Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

Appropriate engineering controls

Engineering Measures
Showers
Eyewash stations
Ventilation systems

Individual protection measures, such as personal protective equipment

Eye/Face Protection
No special protective equipment required.

Skin and Body Protection
Wear protective gloves/clothing.

Respiratory Protection
No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

Hygiene Measures
Handle in accordance with good industrial hygiene and safety practice.
9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks/ Method</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Physical State</strong></td>
<td>Slightly Viscous Liquid</td>
<td></td>
</tr>
<tr>
<td>Appearance</td>
<td>Clear to Slightly Hazy, Orange, Slightly Viscous Liquid</td>
<td></td>
</tr>
<tr>
<td><strong>Odor</strong></td>
<td>Soapy, Spicy</td>
<td></td>
</tr>
<tr>
<td><strong>Color</strong></td>
<td>Orange</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks/ Method</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>pH</strong></td>
<td>5.0</td>
<td>None known</td>
</tr>
<tr>
<td>Melting/freezing point</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Boiling Point/Range</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Flash Point</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No data available</td>
<td>None known</td>
</tr>
</tbody>
</table>

| Flammability Limits in Air       | No data available | None known    |
| **Upper flammability limit**     | No data available | None known    |
| **Lower flammability limit**     | No data available | None known    |
| Vapor pressure                   | No data available | None known    |
| Vapor density                    | No data available | None known    |
| Specific Gravity                 | 1.0             | None known      |
| Water Solubility                 | Miscible with water | None known |
| Solubility in other solvents     | No data available | None known    |
| Partition coefficient: n-octanol/water | No data available | None known    |
| Autoignition temperature         | No data available | None known    |
| Decomposition temperature        | No data available | None known    |
| Kinematic viscosity              | No data available | None known    |
| Dynamic viscosity                | No data available | None known    |
| Explosive Properties             | No data available | None known    |
| Oxidizing Properties             | No data available | None known    |

| Other Information                |                  |                 |
| Softening Point                  | No data available |                 |
| VOC Content (%)                  | No data available |                 |
| Particle Size                    | No data available |                 |
| Particle Size Distribution       | No data available |                 |

10. STABILITY AND REACTIVITY

Reactivity
No data available.

Chemical stability
Stable under recommended storage conditions.

Possibility of Hazardous Reactions
None under normal processing.

Hazardous Polymerization
Hazardous polymerization does not occur.

Conditions to avoid
None known.

Incompatible materials
None known.

Hazardous Decomposition Products
Carbon oxides.

When used in accordance with the directions.
11. TOXICOLOGICAL INFORMATION

There is no data for this product. The information included in this section describes the potential hazards of the individual ingredients.

Information on likely routes of exposure

Product Information
Product does not present an acute toxicity hazard.

Inhalation
May cause irritation of respiratory tract.

Eye Contact
May cause irritation to the eyes.

Skin Contact
Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. (based on components)

Ingestion
Ingestion may cause irritation to mucous membranes. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Component Information

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>LD50 Oral</th>
<th>LD50 Dermal</th>
<th>LC50 Inhalation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glycerin 56-81-5</td>
<td>-</td>
<td>&gt; 10 g/kg (Rabbit)</td>
<td>-</td>
</tr>
<tr>
<td>Cocamide MEA 68140-00-1</td>
<td>= 3300 mg/kg (Rat)</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

Information on toxicological effects

Symptoms
Itching. Rashes. Hives. Coughing and/or wheezing. Symptoms of allergic reaction may include rash, itching, swelling, trouble breathing, tingling of the hands and feet, dizziness, lightheadedness, chest pain, muscle pain, or flushing.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization
May cause sensitization of susceptible persons by skin contact or inhalation.

Mutagenic Effects
No information available.

Carcinogenicity
N/A

Reproductive Toxicity
No information available.

STOT - single exposure
No information available.

STOT - repeated exposure
No information available.

Chronic Toxicity
None known.

Target Organ Effects

Aspiration Hazard
No information available.

Numerical measures of toxicity

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral)
12,715.00 mg/kg

ATEmix (inhalation-dust/mist)
12,500.00 mg/L
12. ECOLOGICAL INFORMATION

There is no ecological data on the Product. The Product ingredients are expected to be safe for the environment at concentrations predicted under normal use and accidental spill scenarios. Packaging components are compatible with the conventional solid waste management practices.

Ecotoxicity
No information available.

Persistence and Degradability
No information available.

Bioaccumulation
No information available.

Other Adverse Effects
No information available.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Waste Disposal Methods
This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

Contaminated Packaging
Dispose of in accordance with local regulations.

California Hazardous Waste Codes 561

14. TRANSPORT INFORMATION

<table>
<thead>
<tr>
<th>DOT</th>
<th>Proper Shipping Name</th>
<th>Hazard Class</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Not regulated</td>
<td>N/A</td>
</tr>
</tbody>
</table>

| TDG       | Not regulated         |

| MEX       | Not regulated         |

| ICAO      | Not regulated         |

| IATA      | Not regulated         |

| IMDG/IMO  | Not regulated         |

| RID       | Not regulated         |

| ADR       | Not regulated         |

| ADN       | Not regulated         |
15. REGULATORY INFORMATION

International Inventories

<table>
<thead>
<tr>
<th>TSCA</th>
<th>Exempt</th>
</tr>
</thead>
<tbody>
<tr>
<td>DSL</td>
<td>All components are listed either on the DSL or NDSL.</td>
</tr>
</tbody>
</table>

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

U.S. Federal Regulations

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

**SARA 311/312 Hazard Categories**

<table>
<thead>
<tr>
<th>Acute Health Hazard</th>
<th>Yes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chronic Health Hazard</td>
<td>No</td>
</tr>
<tr>
<td>Fire Hazard</td>
<td>No</td>
</tr>
<tr>
<td>Sudden Release of Pressure Hazard</td>
<td>No</td>
</tr>
<tr>
<td>Reactive Hazard</td>
<td>No</td>
</tr>
</tbody>
</table>

**Clean Water Act**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302).

U.S. State Regulations

**California Proposition 65 - NONE**

This product does not contain any Proposition 65 chemicals.

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

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>New Jersey</th>
<th>Massachusetts</th>
<th>Pennsylvania</th>
<th>Rhode Island</th>
<th>Illinois</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glycerin 56-81-5</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
</tbody>
</table>

International Regulations

**Mexico**

<table>
<thead>
<tr>
<th>Component</th>
<th>Carcinogen Status</th>
<th>Exposure Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glycerin 56-81-5 (0 - 10)</td>
<td>-</td>
<td>10mg/m³ (mist) TWA</td>
</tr>
</tbody>
</table>

**Canada**

**WHMIS Hazard Class**

D2B

Not regulated under CEPA
16. OTHER INFORMATION

NFPA

Health Hazard 1  Flammability 0  Instability 0  Physical and Chemical Hazards - None

HMIS

Health Hazard 3  Flammability 0  Physical Hazard 0  Personal Protection X

Prepared By  WERCS Professional Services, LLC
23 British American Blvd.
Latham, NY 12110
1-800-572-6501

Issuing Date  September 17, 2014
Revision Date  None
Revision Note  None

General 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 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.

Approved and Updated by Vi-Jon, Inc.
Disclaimer:
The information and recommendations contained in the Safety Data Sheet (SDS) are supplied pursuant to 29 CFR 1910.1200 of the Occupational Safety and Health Standards Hazard Communication Rule. The information and recommendations set forth herein are presented in good faith and believed to be correct as of this date hereof.

Vi-Jon, however, makes no representation as to the completeness or accuracy thereof, and information is supplied upon the express condition that the persons receiving the information will be required to make their own determination as to its suitability for their purposes prior to use. In no event will Vi-Jon be responsible for any damages of any nature whatsoever resulting from the use of, reliance upon, or the misuse of this information.

No representations or warranties, either expressed or implied, of merchantability, fitness for a particular purpose, or of any other nature, are made hereunder with respect to information or the product to which the information refers. The information as supplied herein is simply to be informative and intended solely to alert the user of the substance which is the subject matter of this SDS. The ultimate compliance with federal, state or local regulations concerning the use of this compound, or compliance with respect to product liability, rests solely upon the purchaser thereof.

End of Safety Data Sheet

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