1. IDENTIFICATION

**Product Identifier**
Product Name: Nattura laundry sour softener

**Other Means of Identification**
Product Code: 957900

**Recommended Use of the Chemical and Restrictions on Use**
Recommended Use: Fabric softener concentrate. 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** White  
**Physical State** Liquid  
**Odor** Fresh

**Classification**

<table>
<thead>
<tr>
<th>Property</th>
<th>Category</th>
<th>Sub-category</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin corrosion/irritation</td>
<td>Category 2</td>
<td></td>
</tr>
<tr>
<td>Serious eye damage/eye irritation</td>
<td>Category 2</td>
<td>Sub-category A</td>
</tr>
<tr>
<td>Aquatic toxicity – acute</td>
<td>Category 3</td>
<td></td>
</tr>
</tbody>
</table>

**Signal Word**
Warning

**Hazard Statements**
Causes skin irritation.
Causes serious eye irritation.
Harmful to aquatic life.

**Precautionary Statements - Prevention**
Wash face, hands and any exposed skin thoroughly after handling.
Wear protective gloves/protective clothing/eye protection/face protection.
Avoid release to the environment.

**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 ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.
SPECIFIC TREATMENT: Remove from exposure and treat symptoms.

**Precautionary Statements - Storage**
No other specific measures identified.
Precautionary Statements - Disposal
Dispose of contents/container to an approved waste disposal plant

Unknown Acute Toxicity
None know.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No</th>
<th>Weight-%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>60-100</td>
</tr>
<tr>
<td>Glycolic Acid</td>
<td>79-14-1</td>
<td>5-10</td>
</tr>
<tr>
<td>Methyl Bis (Tallowamido Ethyl)-2-Hydroxyethyl Ammonium Methyl Sulfate</td>
<td>68410-69-5</td>
<td>3-7</td>
</tr>
</tbody>
</table>

**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

Eye Contact
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.

Skin Contact
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 persists.

Inhalation
Remove to fresh air. Get medical attention if breathing becomes difficult.

Ingestion
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

Symptoms
Irritating to skin and eyes.

Indication of Any Immediate Medical Attention and Special Treatment Needed

Notes to Physician
Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media
Water spray (fog). Carbon dioxide (CO2). 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

Personal Precautions
Use personal protective equipment as required.
Environmental Precautions

Avoid release to the environment.

Methods and Material for Containment and Cleaning Up

Methods for Containment

Prevent further leakage or spillage if safe to do so.

Methods for Clean-Up

Collect spillage. Collect in a clean, dry waste container for disposal. Dilute remaining residue with water.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Advice on Safe Handling

Wash thoroughly after handling. Use personal protection recommended in Section 8. Do not breathe dust/fume/gas/mist/vapors/spray.

Conditions for Safe Storage, including Any Incompatibilities

Storage Conditions

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.

Incompatible Materials

Avoid oxidizing agents. Cyanides, Sulphides, active metals (such as sodium, potassium, and magnesium), strong bases (ammonia and its solutions, carbonates, sodium hydroxide, potassium hydroxide, calcium hydroxide, hypochlorites, chlorites). Bases.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>NIOSH IDLH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glycolic Acid</td>
<td>-</td>
<td>10mg/m³</td>
<td>-</td>
</tr>
<tr>
<td>79-14-1</td>
<td></td>
<td>(AEL)</td>
<td></td>
</tr>
</tbody>
</table>

Appropriate Engineering Controls

Engineering Controls

Ventilation systems. Eyewash stations. Showers.

Individual Protection Measures, such as Personal Protective Equipment

Eye/Face Protection

Splash goggles or safety glasses.

Skin and Body Protection

Rubber, Nitrile, PVC, or other chemically resistant skin protection to prevent contact.

Respiratory Protection

Ensure adequate ventilation, especially in confined areas.

General Hygiene Considerations

Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks • Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical State</td>
<td>Liquid</td>
<td></td>
</tr>
<tr>
<td>Appearance</td>
<td>Opaque</td>
<td></td>
</tr>
<tr>
<td>Color</td>
<td>White</td>
<td></td>
</tr>
<tr>
<td>Odor</td>
<td>Fresh</td>
<td></td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>pH</td>
<td>1.5-2.0</td>
<td></td>
</tr>
<tr>
<td>Melting Point/Freezing Point</td>
<td>Not known</td>
<td></td>
</tr>
<tr>
<td>Boiling Point/Boiling Range</td>
<td>100 °C / 212 °F</td>
<td></td>
</tr>
<tr>
<td>Flash Point</td>
<td>Not applicable</td>
<td></td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>Not determined</td>
<td></td>
</tr>
</tbody>
</table>
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. Excessive heat, sparks, or open flames. Keep from freezing.

Incompatible Materials
Avoid oxidizing agents Cyanides, Sulphides, active metals (such as sodium, potassium, magnesium), strong bases (ammonia and its solutions, carbonates, sodium hydroxide, potassium hydroxide, calcium hydroxide, hypochlorites, chlorites).

Hazardous Decomposition Products
Thermal decomposition products are not known.

11. TOXICOLOGICAL INFORMATION

Information on likely Routes of Exposure

Product Information

Eye Contact
Causes serious eye irritation.

Skin Contact
Causes skin irritation.

Inhalation
Avoid breathing vapors or mists.

Ingestion
Do not taste or swallow.

Component Information

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>Inhalation LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glycolic Acid 79-14-1</td>
<td>= 2040 mg/kg (Rat)</td>
<td>-</td>
<td>= 3.6 mg/L (Rat)</td>
</tr>
<tr>
<td>Methyl Bis[Tallowamidoo Ethyl]-2-Hydroxyethyl Ammonium Methyl Sulfate 68410-69-5</td>
<td>&gt; 5000 mg/kg (Rat)</td>
<td>&gt; 2000 mg/kg (Rabbit)</td>
<td>-</td>
</tr>
</tbody>
</table>

Information on Physical, Chemical and Toxicological Effects

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

Carcinogenicity
Not classifiable as a human carcinogen.

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.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Algae/aquatic plants</th>
<th>Fish</th>
<th>Toxicity to microorganisms</th>
<th>Crustacea</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glycolic Acid</td>
<td>EbC50 22.5 mg/L (72hr) green algae</td>
<td>= 164 mg/L (96hr) fathead</td>
<td>-</td>
<td>= 141 mg/L (48hr) Daphnia magna</td>
</tr>
<tr>
<td>Methyl Bis(Tallowamido Ethyl)-2-Hydroxyethyl Ammonium Methyl Sulfate 68410-69-5</td>
<td>EC50 1.33mg/L Alga Selenastrum</td>
<td>= 0.62-1.2 mg/L (96hr) Blue gill</td>
<td>-</td>
<td>= 0.3 mg/L (48hr) Daphnia magna</td>
</tr>
</tbody>
</table>

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

Note
Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

DOT
NOI Non-Hazardous

IATA
IMDG

15. REGULATORY INFORMATION

International Inventories
Not determined
US Federal Regulations

CERCLA

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Hazardous Substances RQs</th>
<th>CERCLA/SARA RQ</th>
<th>Reportable Quantity (RQ)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glycolic Acid 79-14-1</td>
<td>100 lb</td>
<td>100 lb</td>
<td>RQ 100 lb final RQ</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>RQ 45.4 kg final RQ</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>State List</th>
</tr>
</thead>
<tbody>
<tr>
<td>None listed</td>
<td>IL- Illinois Toxic Air Contaminant-Carcinogenic</td>
</tr>
<tr>
<td>AZ- Arizona Ambient Air Quality Guidelines</td>
<td>MA- Massachusetts Right to Know List</td>
</tr>
<tr>
<td>CT- Connecticut Hazardous Air Pollutants</td>
<td>MN- Minnesota Hazardous Substances List</td>
</tr>
<tr>
<td>CA- California Director's List of Hazardous Substances</td>
<td>NJ- New Jersey Right to Know List</td>
</tr>
<tr>
<td>CAP65- California Prop65</td>
<td>PA- Pennsylvania Right to Know List</td>
</tr>
<tr>
<td>FL- Florida Substances List</td>
<td>RI- Rhode Island Hazardous Substances List</td>
</tr>
<tr>
<td>ID- Idaho Non-Carcinogen Toxic Air Pollutants</td>
<td></td>
</tr>
</tbody>
</table>

16. OTHER INFORMATION

<table>
<thead>
<tr>
<th>NFPA</th>
<th>Health Hazards</th>
<th>Flammability</th>
<th>Instability</th>
<th>Special Hazards</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Not determined</td>
<td>Not determined</td>
<td>Not determined</td>
<td>Not determined</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>HMIS</th>
<th>Health Hazards</th>
<th>Flammability</th>
<th>Physical Hazards</th>
<th>Personal Protection</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2</td>
<td>0</td>
<td>0</td>
<td>Not determined</td>
</tr>
</tbody>
</table>

Issue Date: 08-Aug-2011
Revision Date: 27-Feb-2014
Revision Note: New format Version 1.0

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