1. IDENTIFICATION

Product Identifier
Product Name          Nattura ecodish

Other Means of Identification
Product Code          959200

Recommended Use of the Chemical and Restrictions on Use
Recommended Use       Powdered dish detergent portion pack. 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  Powder
Odor            None

Classification

<table>
<thead>
<tr>
<th></th>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute Toxicity- Oral</td>
<td>Category 5</td>
</tr>
<tr>
<td>Acute Toxicity- Dermal</td>
<td>Category 5</td>
</tr>
<tr>
<td>Skin Corrosion/Irritation</td>
<td>Category 2 Sub-category B</td>
</tr>
<tr>
<td>Serious Eye Damage/Eye Irritation</td>
<td>Category 2 Sub-category A</td>
</tr>
</tbody>
</table>

Signal Word
Warning

Hazard Statements
May be harmful if swallowed or in contact with skin.
Causes skin irritation.
Causes serious eye irritation.

Precautionary Statements - Prevention
Wash face, hands and any exposed skin thoroughly after handling.
Wear protective gloves and glasses.

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.
Call a POISON CENTER or doctor/physician if you feel unwell.
SPECIFIC TREATEMENT: Remove from exposure and treat symptoms.

Precautionary Statements – Storage
No other specific measures identified.
Precautionary Statements – Disposal
No other specific measures identified.
Hazard Not Otherwise Classified (HNOC)
None known.

Unknown Acute Toxicity
None known.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No</th>
<th>Weight-%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Chloride</td>
<td>7647-14-5</td>
<td>15-40</td>
</tr>
<tr>
<td>Sodium Carbonate</td>
<td>497-19-8</td>
<td>15-40</td>
</tr>
<tr>
<td>Sodium Sulfate</td>
<td>7757-82-6</td>
<td>10-30</td>
</tr>
<tr>
<td>Sodium Citrate</td>
<td>6132-04-3</td>
<td>10-30</td>
</tr>
<tr>
<td>Sodium Percarbonate</td>
<td>15630-89-4</td>
<td>5-10</td>
</tr>
<tr>
<td>Polymer</td>
<td>Proprietary</td>
<td>3-7</td>
</tr>
<tr>
<td>Citric Acid</td>
<td>77-92-9</td>
<td>1-5</td>
</tr>
<tr>
<td>Modified Fatty Alcohol Polyglycol Ether</td>
<td>Proprietary</td>
<td>1-5</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**
Exposure may cause irritation and redness. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists: Get medical advice/attention.

**Skin Contact**
Prolonged or repeated exposure may dry skin and cause irritation. Flush skin with water for 15 minutes. If irritation or rash persists, get medical attention.

**Inhalation**
If breathing becomes difficult, remove victim to fresh air. Call a physician if you feel unwell.

**Ingestion**
Rinse mouth and drink plenty of water. Do NOT induce vomiting unless directed to do so by a qualified medical personnel. Never give anything by mouth to an unconscious person. If any discomfort persists, obtain medical attention.

**Most Important Symptoms and Effects**

**Symptoms**
Contact with eyes may cause irritation and redness. Prolonged or repeated contact may dry skin and cause irritation.

**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 protection recommended in Section 8.

**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 in a clean, dry waste container for disposal. Dispose of in accordance with federal, state and local regulations. Use a water rinse for final clean up.

7. HANDLING AND STORAGE

**Precautions for Safe Handling**

**Advice on Safe Handling**
Wash thoroughly after handling. Use personal protection recommended in Section 8. Avoid breathing dust or fume. Use only in well-ventilated areas. Avoid contact with eyes and skin. Handle in accordance with good industrial hygiene and safety practice.

**Conditions for Safe Storage, Including Any Incompatibilities**

**Storage Conditions**
Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Keep from freezing.

**Incompatible Materials**
None known.

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>Sodium Chloride 7647-14-5</td>
<td>TWA: 15 mg/m³</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Sodium Carbonate 497-19-8</td>
<td>-</td>
<td>15mg/m³</td>
<td>-</td>
</tr>
<tr>
<td>Sodium Percarbonate 15630-89-4</td>
<td>10mg/m³ (SAEL)</td>
<td>5mg/m³</td>
<td>-</td>
</tr>
<tr>
<td>Sodium Silicate 6834-92-0</td>
<td>2mg/m³</td>
<td>2mg/m³</td>
<td>-</td>
</tr>
<tr>
<td>Polymer Proprietary</td>
<td>10mg/m³</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Citric Acid 77-92-9</td>
<td>5mg/m³</td>
<td>5mg/m³</td>
<td>-</td>
</tr>
<tr>
<td>Modified Fatty Alcohol Polyglycol Ether Proprietary</td>
<td>10mg/m³ (+Inhalable particles/ respirable particles)</td>
<td>15mg/m³ (Total dust)</td>
<td>-</td>
</tr>
<tr>
<td>3mg/m³</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Appropriate Engineering Controls**

**Engineering Controls**
General ventilation sufficient.

**Individual Protection Measures, such as Personal Protective Equipment**

**Eye/Face Protection**
Eye protection should be worn when splashing may occur.

**Skin and Body Protection**
Wear suitable gloves when handling this product.

**Respiratory Protection**
No protective equipment is needed under normal use conditions.

**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</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical State</td>
<td>Powder</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Appearance</td>
<td>White</td>
<td>Odor</td>
<td>None</td>
</tr>
<tr>
<td>Color</td>
<td>White</td>
<td>Odor Threshold</td>
<td>Not determined</td>
</tr>
<tr>
<td><strong>Property</strong></td>
<td><strong>Values</strong></td>
<td><strong>Remarks</strong></td>
<td><strong>Method</strong></td>
</tr>
<tr>
<td>pH (1%)</td>
<td>10.0-10.5</td>
<td></td>
<td>(1% solution)</td>
</tr>
<tr>
<td>Melting Point/Freezing Point</td>
<td>Not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Boiling Point/Boiling Range</td>
<td>Not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flash Point</td>
<td>None (not flammable)</td>
<td></td>
<td>Tag Open Cup</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>Not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flammability (Solid, Gas)</td>
<td>Not flammable</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Upper Flammability Limits</td>
<td>Not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lower Flammability Limit</td>
<td>Not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>Not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vapor Density</td>
<td>Not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>Not Applicable</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Water Solubility</td>
<td>Moderate in water @ 25°C</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Solubility in other solvents</td>
<td>Not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Partition Coefficient</td>
<td>Not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Auto-ignition Temperature</td>
<td>Not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>Not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Kinematic Viscosity</td>
<td>Not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dynamic Viscosity</td>
<td>Not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Explosive Properties</td>
<td>Not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Oxidizing Properties</td>
<td>Not determined</td>
<td></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.

**Hazardous Polymerization**
Hazardous polymerization does not occur.

**Conditions to Avoid**
Keep out of reach of children. Avoid concentrated acids, bases, heavy metal salts, flammable materials, combustible materials, and moisture.

**Incompatible Materials**
None known.

**Hazardous Decomposition Products**
Thermal decomposition may result in the formation of oxides of sulfur, carbon dioxide, hydrogen, and oxygen.

11. TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure

**Product Information**

**Eye Contact**
Causes eye irritation.

**Skin Contact**
May cause skin irritation or rash.
Inhalation
Avoid breathing dust.

Ingestion
May be harmful if swallowed.

Chronic Effects
Excessive, long term contact may produce “soda ulcers” on hands and perforation of the nasal septum. Sensitivity reactions may occur from prolonged and repeated exposure. Risk of throat, nose bleeds and chronic bronchitis.

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>Sodium Chloride 7647-14-5</td>
<td>3000mg/kg</td>
<td>10000mg/kg</td>
<td>&gt;42000mg/m³ (Rat)</td>
</tr>
<tr>
<td>Sodium Carbonate 497-19-8</td>
<td>4090mg/kg (Rat)</td>
<td>2000mg/kg</td>
<td>800mg/m³ (Guinea Pig)</td>
</tr>
<tr>
<td>Sodium Sulfate 7757-82-6</td>
<td>&gt; 10000mg/kg (Rat)</td>
<td>4000mg/kg</td>
<td>-</td>
</tr>
<tr>
<td>Sodium Citrate 6132-04-3</td>
<td>&gt; 8000 mg/kg (Rat)</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Sodium Percarbonate 15630-89-4</td>
<td>1034mg/kg</td>
<td>2000mg/kg</td>
<td>&gt;4580mg/m³ (Rat)</td>
</tr>
<tr>
<td>Sodium Silicate 6834-92-0</td>
<td>1280mg/kg</td>
<td>1380mg/kg</td>
<td>-</td>
</tr>
<tr>
<td>Polymer</td>
<td>5000mg/kg</td>
<td>4000mg/kg</td>
<td>-</td>
</tr>
<tr>
<td>Citric Acid 77-92-9</td>
<td>3000mg/kg</td>
<td>4000mg/kg</td>
<td>-</td>
</tr>
<tr>
<td>Modified Fatty Alcohol Polyglycol Ether Proprietary</td>
<td>2000mg/kg</td>
<td>2000mg/kg</td>
<td>-</td>
</tr>
</tbody>
</table>
Persistance/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
Not regulated

IATA
Not regulated

IMDG
Not regulated

15. REGULATORY INFORMATION*

International Inventories
Not determined

US Federal Regulations

CERCLA
Sodium Percarbonate: 100lbs.

SARA 311/312 Hazard Categories
Immediate (Acute) Health and Delayed (Chronic) Health.

SARA 313
Not determined

US State Regulations

U.S. State Right-to-Know Regulations
The following ingredients appear on various state right to know lists and/or California’s Proposition 65 list:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>State List</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Chloride 7647-14-5</td>
<td>NJ, PA</td>
</tr>
<tr>
<td>Sodium Sulfate 7757-82-6</td>
<td>NJ, MA, PA</td>
</tr>
<tr>
<td>Sodium Percarbonate 15630-89-4</td>
<td>NJ</td>
</tr>
</tbody>
</table>

AZ- Arizona Ambient Air Quality Guidelines
CT- Connecticut Hazardous Air Pollutants
CA- California Director's List of Hazardous Substances
IL- Illinois Toxic Air Contaminant- Carcinogenic
MA- Massachusetts Right to Know List
MN- Minnesota Hazardous Substances List
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>
<tr>
<td>HMIS</td>
<td>Health Hazards</td>
<td>Flammability</td>
<td>Physical Hazards</td>
<td>Personal Protection</td>
</tr>
<tr>
<td>2</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>Not determined</td>
</tr>
</tbody>
</table>

Issue Date: 12-Apr-2012
Revision Date: 19-Mar-2015
Revision Note: Updated Regulatory Information Version 1.3

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