1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND SUPPLIER

1.1. Product Identifier
   Trade Name: ECOS™ Dishmate™ Hypoallergenic Dish Soap, Apricot
   Other Identifier: 9728

1.2. Relevant identified uses of the substance or mixture and uses advised against:
   Liquid dishwashing detergent, use as directed. Do not use in automatic dishwashers.

1.3. Details of the supplier of the safety data sheet:
   Manufacturer/Supplier:
   Venus Laboratories dba Earth Friendly Products
   11150 Hope Street
   Cypress, CA
   90630
   Tel: (800)-841-3100

1.4. Emergency telephone number:
   Chemtrec: (800)-424-9300

2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture
   Classification according to OSHA Hazard Communication Standard 29 CFR 1910.1200:
   Eye damage/irritation, Category 2- Causes serious eye irritation

2.2. Label Elements
   Hazard pictograms:

   ![Warning Pictogram]

   Signal word: Warning
   Hazard statements:
   H319: Causes serious eye irritation.
   Precautionary statements:
   P102: Keep out of reach of children.
   P280: Wear protective gloves/protective clothing/eye protection/face protection.
   P264: Wash thoroughly after handling.
   P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.
   P337+313: If eye irritation persists get medical advice/attention.
3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Mixtures

Description of the mixture: Liquid dishwashing detergent.

Hazardous ingredients per OSHA Hazard Communication Standard 29 CFR 1910.1200:

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS No.</th>
<th>Classification according to OSHA Hazard Communication Standard 29 CFR 1910.1200</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sulfuric acid, mono-C12-18-alkyl esters, sodium salts</td>
<td>68955-19-1</td>
<td>H319: Eye irrit. cat. 2 H315: Skin irrit. cat. 2 H302: Acute. Tox. cat. 4</td>
<td>1%-5%</td>
</tr>
<tr>
<td>Amides, coco, N-[3-((dimethylamino)propyl], N-oxides</td>
<td>68155-09-9</td>
<td>H318: Eye dam. cat 1 H315: Skin irrit. cat. 2 H302: Acute. Tox. cat. 4</td>
<td>1%-5%</td>
</tr>
<tr>
<td>1-Dodecanamine, N,N-dimethyl-, N-oxide</td>
<td>1643-20-5</td>
<td>H319: Eye irrit. cat. 2 H315: Skin irrit. cat. 2</td>
<td>1%-5%</td>
</tr>
<tr>
<td>Betaines, coco alkyldimethyl</td>
<td>68424-94-2</td>
<td>H319: Eye irrit. cat. 2 H315: Skin irrit. cat. 2</td>
<td>&lt;1%</td>
</tr>
<tr>
<td>Citric acid</td>
<td>77-92-9</td>
<td>H319: Eye irrit. cat. 2</td>
<td>&lt;1%</td>
</tr>
<tr>
<td>2-Phenoxyethanol</td>
<td>122-99-6</td>
<td>H319: Eye irrit. cat. 2 H302: Acute. Tox. cat. 4</td>
<td>&lt;1%</td>
</tr>
<tr>
<td>3-(2-ethylhexyloxy)propane-1,2-diol</td>
<td>70445-33-9</td>
<td>H318: Eye dam. cat. 1 H302: Acute. Tox. cat. 4</td>
<td>&lt;1%</td>
</tr>
</tbody>
</table>

Additional information: For the wording of the listed hazard phrases refer to section 16.

4. FIRST AID MEASURES

4.1. Description of first aid measures

General information: No special measures required. Take affected persons out into the fresh air. Avoid contact with eyes.

After inhalation: Seek medical treatment in case of complaints.
After skin contact: In case of skin irritation, consult a physician.
After eye contact: 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.
After swallowing: Drink plenty of water and provide fresh air. Call for a doctor immediately. Seek immediate medical advice. Never give anything by mouth to an unconscious person.

4.2. Most important symptoms and effects, both acute and delayed: No relevant information available.

4.3. Indication of any immediate medical attention and special treatment needed: No relevant information available.
5. FIRE FIGHTING MEASURES

5.1. Extinguishing media
Suitable extinguishing agents: CO2, powder or water spray. Fight larger fires with water spray.

5.2. Special hazards arising from the substance or mixture: No relevant information available.

5.3. Advice for firefighters
Protective equipment: No special measures required.
Additional information: Collect contaminated firefighting water separately. It must not enter the sewage system.

6. ACCIDENTAL RELEASE MEASURES


6.2. For emergency responders: Wear protective equipment. Keep unprotected persons away.

6.3. Environmental precautions: No special measures required.

6.4. Methods and material for containment and cleaning up: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust, silica gel).

6.5. Reference to other sections:
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7. HANDLING AND STORAGE

7.1. Precautions for safe handling:
No special precautions are necessary if used correctly.
Information about fire - and explosion protection: No special measures required.

7.2. Conditions for safe storage, including any incompatibilities:
Storage: Store in cool, dry conditions in well-sealed receptacles.
Requirements to be met by storerooms and receptacles: Do not store in extreme temperatures.
Information about storage in one common storage facility: Not required.
Further information about storage conditions: None.
7.3. Specific end use(s): No further relevant information available.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

8.1. Control parameters
   Ingredients with limit values that require monitoring at the workplace in accordance with OSHA Hazard Communication Standard 29 CFR 1910.1200: None.
   Additional information: No further relevant information available.

8.2. Exposure controls
   Personal protective equipment:
   General protective and hygienic measures: The usual precautionary measures are to be adhered to when handling chemicals.
   Respiratory protection: Not required under normal conditions of use.
   Protection of hands: Not required under normal conditions of use.
   Eye protection: If handling large volumes, wear eye protection. Eye protection not required under normal conditions of use.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Clear, viscous liquid</td>
</tr>
<tr>
<td>Physical State</td>
<td>Viscous</td>
</tr>
<tr>
<td>Color</td>
<td>Colorless</td>
</tr>
<tr>
<td>Odor</td>
<td>Apricot</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>Not determined</td>
</tr>
<tr>
<td>pH</td>
<td>8.4-9.3</td>
</tr>
<tr>
<td>Melting point/freezing point</td>
<td>Not determined</td>
</tr>
<tr>
<td>Initial boiling point/boiling range</td>
<td>Not determined</td>
</tr>
<tr>
<td>Flash point</td>
<td>Not determined</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>Not determined</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not Flammable</td>
</tr>
<tr>
<td>Upper/lower flammability or explosive limits</td>
<td>Not determined</td>
</tr>
<tr>
<td>Upper explosive limits</td>
<td>Not determined</td>
</tr>
<tr>
<td>Lower explosive limits</td>
<td>Not determined</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>Not determined</td>
</tr>
<tr>
<td>Vapor density</td>
<td>Not determined</td>
</tr>
<tr>
<td>Relative density</td>
<td>1.020</td>
</tr>
<tr>
<td>Solubility(ies)</td>
<td>Not determined</td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/water</td>
<td>Not determined</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>Not determined</td>
</tr>
</tbody>
</table>
### Decomposition temperature
Not determined

### Viscosity
1350cp

### Explosive properties
Not determined

### Oxidizing properties
Not determined

10. **STABILITY AND REACTIVITY**

10.1. Reactivity: Stable under normal conditions.

10.2. Chemical stability: Material is stable under normal conditions.
Thermal decomposition / conditions to be avoided: No decomposition if used and stored according to specifications. Do not store at extreme temperatures.

10.3. Possibility of hazardous reactions: No dangerous reactions known.

10.4. Conditions to avoid: No further relevant information available.

10.5. Incompatible materials: No further relevant information available.

10.6. Hazardous decomposition products: No dangerous decomposition products

11. **TOXICOLOGICAL INFORMATION**

11.1. Information on toxicological effects
Acute toxicity: Based on available data, the classification criteria are not met.

<table>
<thead>
<tr>
<th>LD/LC50 values relevant for classification:</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATE (Acute Toxicity Estimates):</td>
</tr>
<tr>
<td>LD50, Oral</td>
</tr>
<tr>
<td>10,384mg/kg</td>
</tr>
</tbody>
</table>

Skin corrosion/irritation: Based on available data, the classification criteria are not met.
Eye damage/irritation: Based on available data, the classification criteria for H319, Eye irritation category 2 has been met. See section 4 for first aid information.
Germ cell mutagenicity: Based on available data, the classification criteria are not met.
Carcinogenicity: Based on available data, the classification criteria are not met.
Reproductive toxicity: Based on available data, the classification criteria are not met.
STOT-single exposure: Based on available data, the classification criteria are not met.
STOT-repeated exposure: Based on available data, the classification criteria are not met.
Aspiration hazard Based on available data, the classification criteria are not met.

12. **ECOLOGICAL INFORMATION**

12.1. Toxicity
Aquatic toxicity: No further relevant information available.
12.2. Persistence and degradability: No further relevant information available.

12.3. Bioaccumulative potential: No further relevant information available.

12.4. Mobility in soil: No further relevant information available.

12.5. Results of PBT and vPvB assessment PBT: No further relevant information available.
    vPvB: No further relevant information available.

12.6. Other adverse effects: No further relevant information available.

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods recommendation:
    Dispose according to National Regulations. Contact manufacturer for recycling information.
    Uncleaned packaging: Disposal must be made according to official regulations. Packaging may be reused or recycled after cleaning.

14. TRANSPORT INFORMATION

14.1. Transportation regulations:
    Land transport, USDOT:
    Not classified as a dangerous good under transport regulations.
    Sea transport, IMDG:
    Not classified as a dangerous good under transport regulations.
    Air transport, IATA/ICAO
    Not classified as a dangerous good under transport regulations.

14.2. Additional information: No additional relevant information available.

15. REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture:
    TSCA: Listed
    Prop 65: None
    Other regulations, limitations and prohibitive regulations: No additional relevant information available.
16. OTHER INFORMATION

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases:
H318: Causes serious eye damage.
H315: Causes skin irritation.
H302: Harmful if swallowed.

Training hints:
Suitable training on safety in handling, storing and converting the product should be given to the employees based on all the existing information.