1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND SUPPLIER

1.1. Product Identifier
   Trade Name: ECOS™ Window Cleaner, Vinegar
   Other Identifier: 9300

1.2. Relevant identified uses of the substance or mixture and uses advised against:
   Liquid window cleaner. Use as directed.

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:
   Skin corrosion/irritation, Category 3- Causes mild skin irritation

2.2. Label Elements
   Hazard pictograms: None
   Signal word: Warning
   Hazard statements: None
   Precautionary statements:
   P102 Keep out of reach of children.
   P332+313: If skin irritation occurs: seek medical advice/attention
   Additional information: No additional relevant information.
   Hazards not otherwise classified: None.
3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Mixtures

Description of the mixture: Liquid window cleaner.

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>Acetic acid</td>
<td>64-19-7</td>
<td>Eye dam. 1, H318 Skin dam. 1, 314</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. 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 with water. If irritation occurs, consult a physician.
After swallowing: Drink plenty of water and provide fresh air. If irritation or discomfort occurs, seek medical attention. 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></th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Appearance</strong></td>
<td>Clear liquid</td>
</tr>
<tr>
<td><strong>Physical State</strong></td>
<td>Liquid</td>
</tr>
<tr>
<td><strong>Color</strong></td>
<td>Colorless</td>
</tr>
<tr>
<td><strong>Odor</strong></td>
<td>Vinegar</td>
</tr>
<tr>
<td><strong>Odor Threshold</strong></td>
<td>Not determined</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>pH</strong></td>
<td>2.75-3.75</td>
</tr>
<tr>
<td><strong>Melting point/freezing point</strong></td>
<td>Not determined</td>
</tr>
<tr>
<td><strong>Initial boiling point/boiling range</strong></td>
<td>Not determined</td>
</tr>
<tr>
<td><strong>Flash point</strong></td>
<td>Not determined</td>
</tr>
<tr>
<td><strong>Evaporation rate</strong></td>
<td>Not determined</td>
</tr>
<tr>
<td><strong>Flammability (solid, gas)</strong></td>
<td>Not Flammable</td>
</tr>
<tr>
<td><strong>Upper/lower flammability or explosive limits</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Upper explosive limits</strong></td>
<td>Not determined</td>
</tr>
<tr>
<td><strong>Lower explosive limits</strong></td>
<td>Not determined</td>
</tr>
<tr>
<td><strong>Vapor pressure</strong></td>
<td>Not determined</td>
</tr>
<tr>
<td><strong>Vapor density</strong></td>
<td>Not determined</td>
</tr>
<tr>
<td><strong>Relative density</strong></td>
<td>0.99-1.001</td>
</tr>
<tr>
<td><strong>Solubility(ies)</strong></td>
<td>Not determined</td>
</tr>
<tr>
<td><strong>Partition coefficient: n-octanol/water</strong></td>
<td>Not determined</td>
</tr>
<tr>
<td><strong>Auto-ignition temperature</strong></td>
<td>Not determined</td>
</tr>
<tr>
<td><strong>Decomposition temperature</strong></td>
<td>Not determined</td>
</tr>
<tr>
<td><strong>Viscosity</strong></td>
<td>Not determined</td>
</tr>
<tr>
<td><strong>Explosive properties</strong></td>
<td>Not determined</td>
</tr>
<tr>
<td><strong>Oxidizing properties</strong></td>
<td>Not determined</td>
</tr>
</tbody>
</table>

### STABILITY AND REACTIVITY

#### 9.2. Reactivity: Stable under normal conditions.

#### 9.3. 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.

#### 9.4. Possibility of hazardous reactions: No dangerous reactions known.
9.5. Conditions to avoid: No further relevant information available.

9.6. Incompatible materials: No further relevant information available.

9.7. Hazardous decomposition products: No dangerous decomposition products

10. TOXICOLOGICAL INFORMATION

10.1. 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>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>ATE (Acute Toxicity Estimates):</td>
<td></td>
</tr>
<tr>
<td>LD50, Oral</td>
<td>&gt;50,000 mg/kg</td>
</tr>
</tbody>
</table>

Skin corrosion/irritation: Based on available data, criteria for H316: Skin irritation 3 has been met. Refer to section 4 for first aid information.

Serious eye damage/irritation: Based on available data, the classification criteria are not met.

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.

11. ECOLOGICAL INFORMATION

11.1. Toxicity
   Aquatic toxicity: No further relevant information available.

11.2. Persistence and degradability: No further relevant information available.

11.3. Bioaccumulative potential: No further relevant information available.

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

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

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

12. DISPOSAL CONSIDERATIONS

12.1. 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.
13. TRANSPORT INFORMATION

13.1. 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.

13.2. Additional information: No additional relevant information available.

14. REGULATORY INFORMATION

14.1. 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.

15. 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:
H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage
H319 Causes serious eye irritation.

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.