1. PRODUCT AND COMPANY IDENTIFICATION

Product name: Swisher Envy HE
Product code: 42097-1
Reference number(s): 42097-5
Recommended Use: Low Sudsing High Efficiency Laundry Detergent

Distributor: Swisher Hygiene Inc.
4725 Piedmont Row Drive,
Suite 400,
Charlotte, NC 28210

Chemical Emergency Phone Number: 800-424-9300 (Chemtrec)
Company Emergency Phone Number: 800-444-4138

2. HAZARDS IDENTIFICATION

Emergency Overview
The product contains no substances which at their given concentration, are considered to be hazardous to health.

Appearance: High Viscosity Liquid
Physical state: liquid.
Odor: No information available

Potential Health Effects

Acute toxicity
- Eyes: Contact with eyes may cause irritation or burns.
- Skin: Contact with skin may cause defatting and irritation.
- Inhalation: No known effect based on information supplied
- Ingestion: No known effect based on information supplied

Chronic Effects: No known effect based on information supplied

Aggravated Medical Conditions: None known.

Environmental hazard: See Section 12 for additional Ecological Information

3. COMPOSITION/INFORMATION ON INGREDIENTS

This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Potassium hydroxide</td>
<td>1310-58-3</td>
<td>&lt;1</td>
</tr>
<tr>
<td>New Jersey Trade Secret</td>
<td>39210900-5031P</td>
<td>&lt;20</td>
</tr>
</tbody>
</table>
4. FIRST AID MEASURES

Eye contact  Wash with water for 15 minutes. See physician if irritation persists.
Skin contact Wash with cool water and avoid prolonged contact.
Inhalation  Move to fresh air
Ingestion  Give milk or water to dilute material; DO NOT induce vomiting. CALL A PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.
Notes to physician  Treat symptomatically

5. FIRE-FIGHTING MEASURES

Flammable Properties  N/A
Flash point  N/A
Suitable Extinguishing Media  Use extinguishing measures that are appropriate to local circumstances and the surrounding environment

Explosion Data
Sensitivity to Mechanical Impact  none
Sensitivity to Static Discharge  none

Specific hazards arising from the chemical  Not considered flammable.

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

<table>
<thead>
<tr>
<th>NFPA</th>
<th>Health Hazard</th>
<th>Flammability</th>
<th>Stability</th>
<th>Physical and chemical hazards</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0</td>
<td>0</td>
<td>0</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>HMIS</th>
<th>Health Hazard</th>
<th>Flammability</th>
<th>Physical Hazard</th>
<th>Personal protection</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1</td>
<td>0</td>
<td>1</td>
<td>-</td>
</tr>
</tbody>
</table>

6. ACCIDENTAL RELEASE MEASURES

Personal precautions  Ensure adequate ventilation
Environmental precautions  Try to prevent the material from entering drains or water courses
Methods for Containment  Dilute with water and neutralize as required.
Methods for cleaning up  Stop flow of product. Dilute with water and neutralize if required. Avoid inhalation. Wash away small spills with plenty of water. Avid skin contact. Decontaminate clothing. Observe all local, state and federal regulations. Collect large spills for disposal. Observe all label safeguards until container is cleaned, reconditioned or destroyed.

7. HANDLING AND STORAGE
Advice on safe handling

KEEP OUT OF REACH OF CHILDREN Keep container closed when not in use Do not contaminate water, food, or feed Avoid contact with skin and eyes or the breathing of mists. Wash thoroughly after use. Do not take internally. For industrial use only. Do not mix with anything but water.

Technical measures/Storage conditions

Store at room temperature Keep from freezing Use with adequate ventilation Keep container closed when not in use.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Review Section 3 & 4 for 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>Potassium hydroxide</td>
<td>2 mg/m³</td>
<td>2 mg/m³</td>
<td>Ceiling: 2 mg/m³</td>
</tr>
</tbody>
</table>

Engineering Measures

Showers Eyewash stations Ventilation systems

Personal Protective Equipment Institutional Environment

Eye/Face Protection

Safety glasses are suggested when using this product in heavy use and institutional environments.

Consumer Environments

Care should be taken to avoid Eye contact.

Skin and body protection

Rubber gloves

Respiratory protection

Unnecessary in open institutional enviroment.

Hygiene measures

Practice good personal hygiene. Wash after handling.

Personal Protective Equipment Industrial Environment

Eye/Face Protection

Splash-proof chemical goggles or face shield.

Skin and body protection

Impervious rubber, alkali-proof protective gloves Impervious rubber boots & apron.

Respiratory protection

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

Hygiene measures

Practice good personal hygiene. Wash after handling. Shower at end of work period Practice good personal hygiene. Wash after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks</th>
<th>Methods</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>liquid</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Appearance</td>
<td>High Viscosity Liquid</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Color</td>
<td>No information available</td>
<td></td>
<td></td>
</tr>
<tr>
<td>pH</td>
<td>8.3</td>
<td></td>
<td>No information available</td>
</tr>
<tr>
<td>Melting/Freezing point</td>
<td></td>
<td></td>
<td>No information available</td>
</tr>
<tr>
<td>Freezing Point</td>
<td></td>
<td></td>
<td>No information available</td>
</tr>
<tr>
<td>Boiling point/boiling range</td>
<td>214 °F</td>
<td></td>
<td>No information available</td>
</tr>
<tr>
<td>Flash Point</td>
<td></td>
<td></td>
<td>No information available</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td></td>
<td></td>
<td>No information available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td></td>
<td></td>
<td>No information available</td>
</tr>
<tr>
<td>Flammability Limits in Air</td>
<td></td>
<td></td>
<td>No information available</td>
</tr>
<tr>
<td>upper flammability limit</td>
<td></td>
<td></td>
<td>No information available</td>
</tr>
</tbody>
</table>
9.2 Other information

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Softening point</td>
<td>No information available</td>
</tr>
<tr>
<td>Molecular Weight</td>
<td>No information available</td>
</tr>
<tr>
<td>VOC Content(%)</td>
<td>No information available</td>
</tr>
<tr>
<td>Density VALUE</td>
<td>No information available</td>
</tr>
<tr>
<td>Bulk Density VALUE</td>
<td>No information available</td>
</tr>
</tbody>
</table>

10. STABILITY AND REACTIVITY

**Stability**
Stable

**Incompatible products**
Strong oxidizing agents

**Conditions to Avoid**
None known based on information supplied

**Hazardous Decomposition Products**
None known based on information supplied

**Hazardous Polymerization**
Hazardous polymerization does not occur

11. TOXICOLOGICAL INFORMATION

**Acute toxicity**

**Product Information**
Product does not present an acute toxicity hazard based on known or supplied information.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>LD50 Oral (mg/kg) (Rat)</th>
<th>LD50 Dermal</th>
<th>LC50 Inhalation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Potassium hydroxide</td>
<td>214</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Chronic toxicity**

**Target Organ Effects**
None known.

12. ECOLOGICAL INFORMATION

**Ecotoxicity**
The environmental impact of this product has not been fully investigated
### 13. DISPOSAL CONSIDERATIONS

**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**

Do not re-use empty containers

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>log Pow</th>
</tr>
</thead>
<tbody>
<tr>
<td>Potassium hydroxide</td>
<td>0.83</td>
</tr>
</tbody>
</table>

### 14. TRANSPORT INFORMATION

**Note**

Compounds, Cleaning Liquid

**Dot**

Not regulated

**Proper shipping name**

Compounds, Cleaning Liquid

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>California Hazardous Waste Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Potassium hydroxide</td>
<td>Toxic Corrosive</td>
</tr>
</tbody>
</table>

**TDG**

Not regulated

**MEX**

Not regulated

**ICAO**

Not regulated

**ICAO/IATA**

Not regulated

**IMDG / IMO**

Not regulated

**RID**

Not regulated

**ADR/RID**

Not regulated

**ADN**

Not regulated

### 15. REGULATORY INFORMATION

**International Inventories**

<table>
<thead>
<tr>
<th>TSCA</th>
<th>DSL</th>
<th>NDSL</th>
<th>EINECS</th>
<th>ELINCS</th>
<th>ENCS</th>
<th>IECSC</th>
<th>KECL</th>
<th>PICCS</th>
</tr>
</thead>
<tbody>
<tr>
<td>TSCA</td>
<td>-</td>
<td>-</td>
<td>Complies</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>
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) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

### SARA 311/312 Hazard Categories

- **Acute Health Hazard**: no
- **Chronic Health Hazard**: no
- **Fire Hazard**: no
- **Sudden Release of Pressure Hazard**: no
- **Reactive Hazard**: no

### 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).

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CWA - Reportable Quantities</th>
<th>CWA - Toxic Pollutants</th>
<th>CWA - Priority Pollutants</th>
<th>CWA - Hazardous Substances</th>
</tr>
</thead>
<tbody>
<tr>
<td>Potassium hydroxide</td>
<td>1000 lb</td>
<td></td>
<td></td>
<td>X</td>
</tr>
</tbody>
</table>

### 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) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Hazardous Substances RQs</th>
<th>Extremely Hazardous Substances RQs</th>
<th>RQ</th>
</tr>
</thead>
<tbody>
<tr>
<td>Potassium hydroxide</td>
<td>1000 lb</td>
<td></td>
<td>RQ 1000 lb final RQ RQ 454 kg final RQ</td>
</tr>
</tbody>
</table>

### U.S. State Regulations

#### California Proposition 65

This product does not contain any Proposition 65 chemicals.

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

#### International Regulations

#### Canada
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

16. OTHER INFORMATION

Prepared By
Swisher Hygiene Inc.
4725 Piedmont Row Drive
Suite 400
Charlotte, NC 28210

Issuing date
18-Oct-2011

Revision Date
18-Oct-2011

Revision Note
No information available

Disclaimer
The information provided on this MSDS 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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text.

End of Material Safety Data Sheet