1. PRODUCT AND COMPANY IDENTIFICATION

Product name                    Swisher Oven Clean
Product code                    40016-32OZ
Reference number(s)            40016-1
UN/ID No                       UN1719
Recommended Use                Thickened Oven and Grill Foam Cleaner

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
This product contains substances which at their given concentration, are considered to be hazardous to health.

Appearance  Clear Liquid    Physical state  liquid.    Odor  Mild, Lemon

Potential Health Effects
Acute toxicity
Eyes       Corrosive; Causes severe burns
Skin       Corrosive; Causes severe burns
Inhalation  Causes severe burns
Ingestion  Corrosive; Causes severe burns

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 product is 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>
</table>
____________________________________________________________________________________________
4. FIRST AID MEASURES

Eye contact  
Flush with flowing water for 15 minutes & see physician.

Skin contact  
Wash with soap & water for 15 minutes. See physician if burning persists.

Inhalation  
Move to fresh air

Ingestion  
Give milk or water to dilute material; DO NOT induce vomiting. Avoid alcohol. 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  
Not flammable

Flash point  
none

Suitable Extinguishing Media  
Use water spray or fog, foam, dry chemical, carbon dioxide, alcohol foam, if product is involved.

Hazardous Combustion Products  
If burned, normal combustion products: Carbon dioxide, Carbon monoxide; Nitrous oxides.

Explosion Data  

Sensitivity to Mechanical Impact  none

Sensitivity to Static Discharge  none

Specific hazards arising from the chemical  
Use water spray to cool adjacent fire exposed containers. Product will not burn but may splatter if temperature exceeds boiling point.

Protective Equipment and Precautions for Firefighters  
Avoid exposure to fumes or vapors. Wear self-contained positive pressurized breathing apparatus MSHA/NIOSH approved or equivalent to maintain TLV.

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  
Neutralize with dilute acid or sodium bicarbonate.

Methods for cleaning up  
Mop up & flush to sewer with plenty of water. Floors may be slippery. Use care to avoid falls.

7. HANDLING AND STORAGE

Advice on safe handling  
KEEP OUT OF REACH OF CHILDREN DANGER Do not get in eyes, on skin or on clothing Remove and wash contaminated clothing before re-use
Avoid all contact. Store upright in original closed container.

### 8. EXPOSURE CONTROLS/PERSOAL 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>Sodium hydroxide</td>
<td></td>
<td>TWA: 2 mg/m³</td>
<td>IDLH: 10 mg/m³</td>
</tr>
<tr>
<td>1310-73-2</td>
<td></td>
<td></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.

**Skin and body protection**
Rubber gloves

**Respiratory protection**
Unnecessary in open institutional environment.

**Hygiene measures**
Practice good personal hygiene. Wash after handling.

#### 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.

### 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><strong>Physical state</strong></td>
<td>liquid</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Appearance</strong></td>
<td>Clear Liquid</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Color</strong></td>
<td>Amber</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Odor</strong></td>
<td>Mild Lemon</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Odor Threshold</strong></td>
<td>No information available</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>pH</strong></td>
<td>14</td>
<td></td>
<td>No information available</td>
</tr>
<tr>
<td><strong>Melting/freezing point</strong></td>
<td></td>
<td></td>
<td>No information available</td>
</tr>
<tr>
<td><strong>Freezing Point</strong></td>
<td></td>
<td></td>
<td>No information available</td>
</tr>
<tr>
<td><strong>Boiling point/boiling range</strong></td>
<td>212 °F</td>
<td></td>
<td>No information available</td>
</tr>
<tr>
<td><strong>Flash Point</strong></td>
<td></td>
<td></td>
<td>No information available</td>
</tr>
<tr>
<td><strong>Evaporation rate</strong></td>
<td>GT 1.00</td>
<td></td>
<td>No information available</td>
</tr>
<tr>
<td><strong>Flammability (solid, gas)</strong></td>
<td></td>
<td></td>
<td>No information available</td>
</tr>
<tr>
<td><strong>Flammability Limits in Air</strong></td>
<td></td>
<td></td>
<td>No information available</td>
</tr>
<tr>
<td><strong>upper flammability limit</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>lower flammability limit</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Explosion Limits</strong></td>
<td></td>
<td></td>
<td>No information available</td>
</tr>
<tr>
<td><strong>upper</strong></td>
<td></td>
<td></td>
<td>No information available</td>
</tr>
<tr>
<td><strong>lower</strong></td>
<td></td>
<td></td>
<td>No information available</td>
</tr>
<tr>
<td><strong>Vapor pressure</strong></td>
<td>17</td>
<td></td>
<td>No information available</td>
</tr>
<tr>
<td><strong>Vapor density</strong></td>
<td>0.62</td>
<td></td>
<td>No information available</td>
</tr>
</tbody>
</table>
Specific Gravity | 1.07 | No information available
Water solubility | completely soluble | No information available
Solubility in other solvents | | No information available
Partition coefficient: n-octanol/water | | No information available
Autoignition temperature | | No information available
Decomposition temperature | | No information available
Viscosity, kinematic | | No information available
Viscosity, dynamic | | No information available
Explosive properties | No information available
Oxidizing Properties | No information available

9.2 Other information
Softening point | No information available
Molecular Weight | No information available
VOC Content(%) | No information available
Density VALUE | 9.2
Bulk Density VALUE | No information available

10. STABILITY AND REACTIVITY

Stability | Stable
Incompatible products | Strong oxidizing acids.
Conditions to Avoid | None known based on information supplied

Hazardous Decomposition Products | If burned, normal combustion products: Carbon dioxide, Carbon monoxide; Nitrous oxides.
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</th>
<th>LD50 Dermal</th>
<th>LC50 Inhalation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium hydroxide</td>
<td></td>
<td>1350 mg/kg (Rabbit)</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

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Toxicity to algae</th>
<th>Toxicity to fish</th>
<th>Toxicity to microorganisms</th>
<th>Toxicity to daphnia and other aquatic invertebrates</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium hydroxide</td>
<td>45.4: 96 h Oncorhynchus mykiss mg/L LC50 static</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
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>California Hazardous Waste Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium hydroxide</td>
<td>Toxic Corrosive</td>
</tr>
</tbody>
</table>

14. TRANSPORT INFORMATION

Note
UN1719, Caustic alkali liquid, n.o.s., (contains sodium hydroxide), 8, PG II, LTD QTY

Dot
Proper shipping name
UN1719, Caustic alkali liquid, n.o.s., (contains sodium hydroxide), 8, PG II, LTD QTY
Hazard class
8
UN/ID No
UN1719
Packing Group
II

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>Inventory</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>TSCA</td>
<td>TSCA</td>
</tr>
<tr>
<td>DSL</td>
<td>Complies</td>
</tr>
<tr>
<td>NDSL</td>
<td>Complies</td>
</tr>
<tr>
<td>EINECS</td>
<td>Complies</td>
</tr>
<tr>
<td>ELINCS</td>
<td></td>
</tr>
<tr>
<td>ENCS</td>
<td>Complies</td>
</tr>
<tr>
<td>IECSC</td>
<td>Complies</td>
</tr>
<tr>
<td>KECL</td>
<td>Complies</td>
</tr>
<tr>
<td>PICCS</td>
<td>Complies</td>
</tr>
<tr>
<td>AICS</td>
<td>Complies</td>
</tr>
</tbody>
</table>

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
U.S. Federal Regulations

SARA 313
SARA TITLE III (EPCRA) NOTIFICATION: Does not contain chemicals subject to the reporting requirements of Section 302, 304, or 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986.
COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, AND LIABILITY ACT (CERCLA) NOTIFICATION:
SODIUM HYDROXIDE
For more information, consult 40 CFR parts 302, 355, 370, 372, and 40 CFR part 68.

SARA 311/312 Hazard Categories

<table>
<thead>
<tr>
<th>Hazard Category</th>
<th>RQ</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute Health Hazard</td>
<td>no</td>
</tr>
<tr>
<td>Chronic Health Hazard</td>
<td>no</td>
</tr>
<tr>
<td>Fire Hazard</td>
<td>no</td>
</tr>
<tr>
<td>Sudden Release of Pressure Hazard</td>
<td>no</td>
</tr>
<tr>
<td>Reactive Hazard</td>
<td>no</td>
</tr>
</tbody>
</table>

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>Sodium 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>Sodium 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: 02-Nov-2011
Revision Date: 28-Nov-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