1. PRODUCT AND COMPANY IDENTIFICATION

Product name Swisher OCP Floor Stripper

Product code 40068-5

Recommended Use Floor Stripper

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 Clear Thin Liquid

Physical state liquid.

Odor Characteristic

Potential Health Effects

Acute toxicity

Eyes Severe Burns.

Skin Severe burns.

Inhalation Causes irritation

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>Diethylene glycol monobutyl ether</td>
<td>112-34-5</td>
<td>&lt; 20</td>
</tr>
<tr>
<td>Ethanolamine</td>
<td>141-43-5</td>
<td>&lt; 15</td>
</tr>
</tbody>
</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 irritation persists.

**Inhalation**  
Remove to fresh air. If breathing has stopped, apply suitable artificial respiration. Get medical help.

**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.

**NFPA**

- Health Hazard: 0
- Flammability: 0
- Stability: 0
- Physical and chemical hazards: -

**HMIS**

- Health Hazard: 2
- Flammability: 0
- Physical Hazard: 0
- Personal protection: B

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**  
Prevent further leakage or spillage if safe to do so

**Methods for cleaning up**  
Contain the spill Use absorbent material and transfer to approved containers for recovery or disposal. 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

**Technical measures/Storage conditions**  
Avoid all contact. Store upright in original closed container.
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>Ethanolamine</td>
<td>STEL: 6 ppm</td>
<td>TWA: 3 ppm TWA: 6 mg/m³</td>
<td>IDLH: 30 ppm TWA: 3 ppm TWA: 8 mg/m³ STEL: 6 ppm STEL: 15 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 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 Thin Liquid</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Color</strong></td>
<td>clear</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Odor</strong></td>
<td>Characteristic</td>
<td>No information available</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>10.7</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td><strong>Melting/freezing point</strong></td>
<td></td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td><strong>Freezing Point</strong></td>
<td>No information available</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Boiling point</strong></td>
<td>212 °F</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td><strong>Boiling range</strong></td>
<td>No information available</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Flash Point</strong></td>
<td>No information available</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Evaporation rate</strong></td>
<td>GT 1.00</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td><strong>Flammability</strong></td>
<td>No information available</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Explosion Limits</strong></td>
<td>No information available</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Vapor pressure</strong></td>
<td>17</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td><strong>Vapor density</strong></td>
<td>0.62</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td><strong>Specific Gravity</strong></td>
<td>1.01</td>
<td>No information available</td>
<td></td>
</tr>
</tbody>
</table>
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)</th>
<th>LD50 Dermal (mg/kg)</th>
<th>LC50 Inhalation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diethylene glycol monobutyl ether</td>
<td>3384 (Rat)</td>
<td>2700 (Rabbit)</td>
<td></td>
</tr>
<tr>
<td>Ethanolamine</td>
<td>1720 (Rat)</td>
<td>1 mL/kg (Rabbit)</td>
<td>1025 mg/kg (Rabbit)</td>
</tr>
</tbody>
</table>

Chronic toxicity

Target Organ Effects
None known.

11. TOXICOLOGICAL INFORMATION

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>Diethylene glycol monobutyl ether</td>
<td>100: 96 h Desmodesmus</td>
<td>1300: 96 h Lepomis</td>
<td>2850: 24 h Daphnia magna</td>
<td></td>
</tr>
<tr>
<td></td>
<td>subspicatus mg/L EC50</td>
<td>macrochirus mg/L LC50</td>
<td>mg/L EC50 &gt;100: 48 h</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>static</td>
<td>Daphnia magna mg/L EC50</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.

14. TRANSPORT INFORMATION

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>log Pow</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanolamine</td>
<td>0</td>
</tr>
</tbody>
</table>

Note
Cleaning Compound, Not Regulated

Dot
Proper shipping name
Cleaning Compound, Not Regulated

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

<table>
<thead>
<tr>
<th>International Inventories</th>
<th></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>ENCS</td>
<td>Complies</td>
</tr>
<tr>
<td>ENCS</td>
<td>Complies</td>
</tr>
</tbody>
</table>

EC50 = 110 mg/L; 17 h
EC50 = 12200 mg/L; 2 h
EC50 = 13.7 mg/L; 30 min
EC50 = 65; 48 h Daphnia magna
mg/L EC50

EC50 = 114 - 196; 96 h
Oncorhynchus mykiss mg/L
LC50 static 300 - 1000; 96 h
Lepomis macrochirus mg/L
LC50 static 227; 96 h
Pimephales promelas mg/L
LC50 flow-through 3684; 96 h
Brachymyloio rerio mg/L
LC50 static 200; 96 h
Oncorhynchus mykiss mg/L
LC50 flow-through
IECSC | Complies
---|---
KECL | Complies
PICCS | Complies
AICS | Complies

**U.S. Federal Regulations**

**SARA 313**

SARA TITLE III (EPCRA) NOTIFICATION: GLYCOL ETHERS
COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, AND LIABILITY ACT (CERCLA) NOTIFICATION: This does not contain chemicals subject to reporting under CERCLA
For more information, consult 40 CFR parts 302, 355, 370, 372, and 40 CFR part 68.

**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).

**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.

**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**

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Carcinogen Status</th>
<th>Exposure Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanolamine</td>
<td></td>
<td>Mexico: TWA 3 ppm Mexico: TWA 8 mg/m³ Mexico: STEL 6 ppm Mexico: STEL 15 mg/m³</td>
</tr>
</tbody>
</table>

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
01-Nov-2011

Revision Date
01-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