1. PRODUCT AND COMPANY IDENTIFICATION

Product name: Swisher Equal Soft/Sour
Product code: 42129-5
Reference number(s): 42129-15
UN/ID No: UN3264
Recommended Use: Laundry Sour/Softeners

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: Liquid.
Physical state: liquid.
Odor: no distinguishable odor

Potential Health Effects
Acute toxicity
- Eyes: Irritating to eyes
- Skin: Irritating to skin
- Inhalation: Inhalation of fumes may result in irritation of the nose, throat, and respiratory tract.
- Ingestion: May be irritating to nose, throat, and respiratory tract.

Chronic Effects: Ingestion: can cause death.

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**
Immediately flush with plenty of cool water under low pressure. Flush continuously for at least 15 minutes. Hold eyelids open and move eye while flushing. Seek medical attention immediately.

**Skin contact**
Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops and persists.

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

**Ingestion**
Never give anything by mouth to an unconscious person. DO NOT INDUCE VOMITING. If conscious give large quantities of water. If vomiting occurs spontaneously, keep airway clear. Seek medical attention immediately!

**Notes to physician**
Treat symptomatically

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5. FIRE-FIGHTING MEASURES

**Flammable Properties**
N/A

**Flash point**
Flash point > 200 °F

**Suitable Extinguishing Media**
Product is not combustible.

**Explosion Data**

- Sensitivity to Mechanical Impact: none
- Sensitivity to Static Discharge: none

**Protective Equipment and Precautions for Firefighters**
Wear self contained breathing apparatus and full protective clothing. Keep containers cool with water spray.

**NFPA**
- Health Hazard: 0
- Flammability: 0
- Stability: 0

**HMIS**
- Health Hazard: 2
- Flammability: 0
- Physical Hazard: 0
- Physical and chemical hazards: -
- Personal protection: -

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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**
Earthen dikes may be constructed to contain the spill. Absorb spills with dry sand or earth. Neutralize with soda ash or lime. Flush spill area with large amounts of water. Dispose of in a manner approved by local, state, and federal regulations. Contains no phosphates.

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7. HANDLING AND STORAGE

**Advice on safe handling**
Handle in accordance with good industrial hygiene and safety practice
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>Hexylene glycol</td>
<td></td>
<td></td>
<td>Ceiling: 25 ppm</td>
</tr>
<tr>
<td>107-41-5</td>
<td></td>
<td></td>
<td>Ceiling: 125 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.

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

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>Odor</td>
<td>no distinguishable odor</td>
</tr>
<tr>
<td>Appearance</td>
<td>Liquid.</td>
<td>Odor Threshold</td>
<td>No information available</td>
</tr>
<tr>
<td>Color</td>
<td>light blue</td>
<td></td>
<td></td>
</tr>
<tr>
<td>pH</td>
<td></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></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>Explosion Limits</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>upper flammability limit</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>lower flammability limit</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vapor pressure</td>
<td></td>
<td></td>
<td>No information available</td>
</tr>
<tr>
<td>Vapor density</td>
<td></td>
<td></td>
<td>No information available</td>
</tr>
<tr>
<td>Physical Property</td>
<td>Value</td>
<td>Notes</td>
<td></td>
</tr>
<tr>
<td>-----------------------------------</td>
<td>-------</td>
<td>--------------------------------------------</td>
<td></td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1.05</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Water solubility</td>
<td>Soluble (&gt; 1%)</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Solubility in other solvents</td>
<td></td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/water</td>
<td></td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Autoignition temperature</td>
<td></td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td></td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Viscosity, kinematic</td>
<td></td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Viscosity, dynamic</td>
<td></td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Explosive properties</td>
<td>No information available</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Oxidizing Properties</td>
<td>No information available</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

9.2 Other information

<table>
<thead>
<tr>
<th>Property</th>
<th>Information</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 alkalies, sulfides, and sulfites      |
| Conditions to Avoid                | None known based on information supplied     |
| Hazardous Decomposition Products   | Phosphoric 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 (mg/kg) (Rat)</th>
<th>LD50 Dermal (µL/kg) (Rabbit)</th>
<th>LC50 Inhalation (mg/m³) (Rat) 1 h</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hexylene glycol</td>
<td>3692</td>
<td>8560</td>
<td>310</td>
</tr>
</tbody>
</table>

Chronic toxicity

Ingestion: can cause death.

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>
</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

Note
UN3264, Corrosive Liquid, Acidic, N.O.S., 8, PGIII

Dot
Proper shipping name
UN3264, Corrosive Liquid, Acidic, N.O.S., 8, PGIII
Hazard class
0
UN/ID No
UN3264
Packing Group
III

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
TSCA
TSCA
DSL
-
NDSL
Complies
EINECS
-

EC50 = 3038 mg/L 5 min
2700 - 3700: 48 h Daphnia magna mg/L EC50

Chemical Name | log Pow
---|---
Hexylene glycol | 0.14
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

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
29-Dec-2011

Revision Date
29-Dec-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