Material Safety Data Sheet

1. PRODUCT AND COMPANY IDENTIFICATION

Product name
Swisher Safe Brite

Product code
42098-5

Reference number(s)
42098-15

UN/ID No
UN2984

Recommended Use
Liquid color Safe Bleach

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
Causes severe irritation or burns to skin and eyes.

<table>
<thead>
<tr>
<th>Appearance</th>
<th>Clear Liquid</th>
<th>Physical state</th>
<th>liquid.</th>
<th>Odor</th>
<th>none</th>
</tr>
</thead>
</table>

Potential Health Effects

Acute toxicity

<table>
<thead>
<tr>
<th>Eyes</th>
<th>Irritation and burns.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin</td>
<td>Irritation and mild burns.</td>
</tr>
<tr>
<td>Inhalation</td>
<td>Causes irritation</td>
</tr>
<tr>
<td>Ingestion</td>
<td>May cause rapid evolution of gas and thus distention of esophagus or stomach, also irritation and burns.</td>
</tr>
</tbody>
</table>

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).
4. FIRST AID MEASURES

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

**Skin contact**  
Remove contaminated clothing. Flush skin with water. Wash clothing and shoes as soon as possible to reduce risk of fire. If irritation persists, see a physician.

**Inhalation**  
If irritation develops or difficulty in breathing remove victim to fresh air. Call physician immediately if irritation persists.

**Ingestion**  
Drink promptly, a large quantity of water. Seek immediate medical attention or contact poison control center.

**Notes to physician**  
Treat symptomatically

5. FIRE-FIGHTING MEASURES

**Flammable Properties**  
Not flammable

**Flash point**  
Not determined.

**Suitable Extinguishing Media**  
Dry chemical, water mist, alcohol foam

**Explosion Data**  

- **Sensitivity to Mechanical Impact**  
  none

- **Sensitivity to Static Discharge**  
  none

**Specific hazards arising from the chemical**  
Oxidizer; evaporation may cause fire.

**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>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0</td>
<td>0</td>
<td>0</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**  
Prevent further leakage or spillage if safe to do so

**Methods for cleaning up**  
Stop leak. Dilute spilled material with a large amount of water.

7. HANDLING AND STORAGE

**Advice on safe handling**  
KEEP OUT OF REACH OF CHILDREN Wash hands before eating. Keep container tightly closed when not in use

**Technical measures/Storage conditions**  
Store in cool dry place. Store away from incompatible materials Do not store in a dirty area or on wooden pallets
8. EXPOSURE CONTROLS/PERSOHAL 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>Hydrogen Peroxide 7722-84-1</td>
<td>TWA: 1 ppm</td>
<td>TWA: 1 ppm TWA: 1.4 mg/m³</td>
<td>IDLH: 75 ppm TWA: 1 ppm TWA: 1.4 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></td>
<td></td>
</tr>
<tr>
<td>Appearance</td>
<td>Clear Liquid</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Color</td>
<td>clear</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Odor</td>
<td>none</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>No information available</td>
<td></td>
<td></td>
</tr>
<tr>
<td>pH</td>
<td>5-6</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Melting/freezing point</td>
<td></td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Freezing Point</td>
<td></td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Boiling point/boiling range</td>
<td>&gt; 212 °F</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Flash Point</td>
<td></td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>&lt; 1</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td></td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Flammability Limits in Air</td>
<td></td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>upper flammability limit</td>
<td></td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>lower flammability limit</td>
<td></td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Explosion Limits upper</td>
<td></td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>lower</td>
<td></td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Vapor pressure</td>
<td></td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Vapor density</td>
<td></td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1.040</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Water solubility</td>
<td>completely soluble</td>
<td>No information available</td>
<td></td>
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</tbody>
</table>
10. STABILITY AND REACTIVITY

Stability
unstable

Incompatible products
Heavy metals or their salt, cyanides, chromium compounds, potassium permanganate, rust dirt, dust, iron, organic materials.

Conditions to Avoid
Heat

Hazardous Decomposition Products
Oxygen

Hazardous Polymerization
Hazardous polymerization does not occur

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Product Information
Ingestion may cause rapid evolution of gas and thus distention of esophagus or stomach. Causes irritation and burns to eyes and skin.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>LD50 Oral (rat)</th>
<th>LD50 Dermal (rat)</th>
<th>LC50 Inhalation (rat)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrogen Peroxide</td>
<td>801 mg/kg</td>
<td>2000 mg/kg</td>
<td>2 mg/L</td>
</tr>
</tbody>
</table>

Chronic toxicity

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH</th>
<th>IARC</th>
<th>NTP</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrogen Peroxide</td>
<td>A3</td>
<td>Group 3</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Target Organ Effects
None known.

12. ECOLOGICAL INFORMATION

Ecotoxicity
The environmental impact of this product has not been fully investigated
Hydrogen Peroxide | 2.5: 72 h Chlorella vulgaris mg/L EC50 | 10.0 - 32.0: 96 h Oncorhynchus mykiss mg/L LC50 static 18 - 56: 96 h Lepomis macrochirus mg/L LC50 static 16.4: 96 h Pimephales promelas mg/L LC50 | 18 - 32: 48 h Daphnia magna mg/L EC50 Static 7.7: 24 h Daphnia magna mg/L EC50

## 13. DISPOSAL CONSIDERATIONS

**Waste Disposal Methods**
Flush diluted material to sewer.

**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>Hydrogen Peroxide</td>
<td>Toxic Corrosive Ignitable Reactive</td>
</tr>
</tbody>
</table>

## 14. TRANSPORT INFORMATION

**Note**
UN2984, Hydrogen peroxide, aqueous solutions with not less than 8 percent but less than 20 percent hydrogen peroxide (stabilized as necessary), 5.1, PG III

**Dot**
Regulated

**Proper shipping name**
UN2984, Hydrogen peroxide, aqueous solutions with not less than 8 percent but less than 20 percent hydrogen peroxide (stabilized as necessary), 5.1, PG III

**Hazard class**
5.1

**UN/ID No**
UN2984

**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**

<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>Complies</td>
<td>Complies</td>
<td>Complies</td>
<td>-</td>
<td>Complies</td>
<td>Complies</td>
<td>Complies</td>
<td>Complies</td>
</tr>
</tbody>
</table>

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AICS - Complies

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
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

U.S. Federal Regulations

SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

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.

<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>Hydrogen Peroxide</td>
<td></td>
<td>1000 lb</td>
<td></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

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Carcinogen Status</th>
<th>Exposure Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrogen Peroxide</td>
<td>A3</td>
<td>Mexico: TWA 1 ppm Mexico: TWA 1.5 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Mexico: STEL 2 ppm Mexico: STEL 3 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**

<table>
<thead>
<tr>
<th>Prepared By</th>
<th>Swisher Hygiene Inc.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>4725 Piedmont Row Drive</td>
</tr>
<tr>
<td></td>
<td>Suite 400</td>
</tr>
<tr>
<td></td>
<td>Charlotte, NC 28210</td>
</tr>
<tr>
<td>Issuing date</td>
<td>17-Oct-2011</td>
</tr>
<tr>
<td>Revision Date</td>
<td>28-Nov-2011</td>
</tr>
<tr>
<td>Revision Note</td>
<td>No information available</td>
</tr>
</tbody>
</table>

**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