# 1. PRODUCT AND COMPANY IDENTIFICATION

<table>
<thead>
<tr>
<th>Product name</th>
<th>Swisher Color Safe</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product code</td>
<td>40139-5</td>
</tr>
<tr>
<td>Reference number(s)</td>
<td>40139-15/ 40139-55</td>
</tr>
<tr>
<td>UN/ID No</td>
<td>UN2984</td>
</tr>
<tr>
<td>Recommended Use</td>
<td>Oxygen Destainer</td>
</tr>
</tbody>
</table>

**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

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# 2. HAZARDS IDENTIFICATION

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

<table>
<thead>
<tr>
<th>Appearance</th>
<th>Clear Thin Liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>liquid.</td>
</tr>
<tr>
<td>Odor</td>
<td>Odorless</td>
</tr>
</tbody>
</table>

**Potential Health Effects**

**Acute toxicity**
- **Eyes** Severe Burns.
- **Skin** Severe burns.
- **Inhalation** Causes severe burns
- **Ingestion** 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

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# 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  
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. Also oxygen which supports combustion.

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

Specific hazards arising from the chemical  
On decomposition releases oxygen which may intensify fire.

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

HMIS  
Health Hazard 2  Flammability 0  Physical Hazard 1

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 a large volume of water and hold until H2O2 decomposes.

Methods for cleaning up  
Flush to sewer.

7. HANDLING AND STORAGE

---
Advice on safe handling

KEEP OUT OF REACH OF CHILDREN WARNING. 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. Avoid excessive heat Avoid contamination of any kind

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>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

<table>
<thead>
<tr>
<th>Eye/Face Protection</th>
<th>Safety glasses are suggested when using this product in heavy use and institutional environments.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Consumer Environments</td>
<td>Care should be taken to avoid Eye contact.</td>
</tr>
<tr>
<td>Skin and body protection</td>
<td>Rubber gloves</td>
</tr>
<tr>
<td>Respiratory protection</td>
<td>Unnecessary in open institutional environment.</td>
</tr>
<tr>
<td>Hygiene measures</td>
<td>Practice good personal hygiene. Wash after handling.</td>
</tr>
</tbody>
</table>

Personal Protective Equipment Industrial Environment

<table>
<thead>
<tr>
<th>Eye/Face Protection</th>
<th>Splash-proof chemical goggles or face shield.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin and body protection</td>
<td>Impervious rubber, alkali-proof protective gloves Impervious rubber boots &amp; apron.</td>
</tr>
<tr>
<td>Respiratory protection</td>
<td>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.</td>
</tr>
<tr>
<td>Hygiene measures</td>
<td>Practice good personal hygiene. Wash after handling. Shower at end of work period</td>
</tr>
</tbody>
</table>

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 Thin Liquid</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Color</td>
<td>colorless</td>
<td>Odor</td>
<td>Odorless</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td></td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>pH</td>
<td>4.0</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</td>
<td>212 °F</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Boiling range</td>
<td></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>GT 1.00</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</td>
<td>upper</td>
<td>No information available</td>
<td></td>
</tr>
</tbody>
</table>
10. STABILITY AND REACTIVITY

Stability

unstable

Incompatible products

Heavy metals, organics, excessive heat

Conditions to Avoid

None known based on information supplied

Hazardous Decomposition Products

If burned, normal combustion products: Carbon Dioxide, Carbon Monoxide; Nitrous Oxides. Also oxygen which supports combustion.

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>Hydrogen Peroxide</td>
<td>801 mg/kg (Rat)</td>
<td>2000 mg/kg (Rabbit) 4060 mg/kg (Rat)</td>
<td>2 mg/L (Rat) 4 h</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.

<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>Hydrogen Peroxide</td>
<td>2.5: 72 h Chlorella vulgaris mg/L EC50</td>
<td>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</td>
<td>18 - 32: 48 h Daphnia magna mg/L EC50 Static 7.7: 24 h 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

**Note**

UN2984, Hydrogen Peroxide, Aqueous Solution, 5.1, PG III

**Dot**

Regulated

**Proper shipping name**

UN2984, Hydrogen Peroxide, Aqueous Solution, 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>
</tr>
</thead>
<tbody>
<tr>
<td>TSCA</td>
<td>Complies</td>
</tr>
</tbody>
</table>

---

Page 5 / 7
Sudden Release of Pressure Hazard: no

U.S. Federal Regulations

SARA 313
Sara Title III (EPCRA) NOTIFICATION: Does not contain chemicals subject of the reporting requirements of Section 302, 304, or 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986.
COMPREHENSIVE ENVIRONMENT RESPONSE, COMPENSATION, AND LIABILITY ACT (CERLA) NOTIFICATION: This does not contain chemical 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.

<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
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>28-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**