1. PRODUCT AND COMPANY IDENTIFICATION

Product name: Swisher Select Lemon Disinfectant Cleaner

Product code: 40357-1

Recommended Use: Disinfectant 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
The product contains no substances which at their given concentration, are considered to be hazardous to health.

Appearance: Thin Liquid
Physical state: Liquid
Odor: Lemon

Potential Health Effects

Acute toxicity
- Eyes: Causes burns
- Skin: Causes burns
- Inhalation: Causes irritation
- Ingestion: Causes 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 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>Isopropyl alcohol</td>
<td>67-63-0</td>
<td>&lt; 5</td>
</tr>
<tr>
<td>Alkyl (C12-16) dimethylbenzylammonium chloride</td>
<td>68424-85-1</td>
<td>&lt; 2</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
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
Flash point 180 °F

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

Explosion Data
Sensitivity to Mechanical Impact
none

Sensitivity to Static Discharge
none

Specific hazards arising from the chemical
Combustible. Keep away from heat, sparks and open flame. 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
<table>
<thead>
<tr>
<th>Health Hazard</th>
<th>Flammability</th>
<th>Stability</th>
<th>Physical and chemical hazards</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>0</td>
<td>0</td>
<td>-</td>
</tr>
</tbody>
</table>

HMIS
<table>
<thead>
<tr>
<th>Health Hazard</th>
<th>Flammability</th>
<th>Physical Hazard</th>
<th>Personal protection</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>0</td>
<td>0</td>
<td>C</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
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 contaminate water, food, or feed. 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/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>Isopropyl alcohol 67-63-0</td>
<td>STEL: 400 ppm TWA: 200 ppm</td>
<td>TWA: 400 ppm TWA: 980 mg/m³</td>
<td>IDLH: 2000 ppm TWA: 400 ppm TWA: 980 mg/m³ STEL: 500 ppm STEL: 1225 mg/m³</td>
</tr>
</tbody>
</table>

Engineering Measures
Shower
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. Practice good personal hygiene. Wash after handling

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>
<th>Remarks</th>
<th>Methods</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>liquid</td>
<td>Odor</td>
<td>Lemon</td>
<td>Odor Threshold</td>
<td>No information available</td>
</tr>
<tr>
<td>Appearance</td>
<td>Thin Liquid</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Color</td>
<td>clear Yellow</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>p</td>
<td>8.0</td>
<td></td>
<td>No information available</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Melting/freezing point</td>
<td></td>
<td></td>
<td>No information available</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Freezing Point</td>
<td></td>
<td></td>
<td>No information available</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Boiling point/boiling range</td>
<td>212 °F</td>
<td></td>
<td>No information available</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flash Point</td>
<td>180 °F</td>
<td></td>
<td>No information available</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>1.00</td>
<td></td>
<td>No information available</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td></td>
<td></td>
<td>No information available</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flammability Limits in Air</td>
<td></td>
<td></td>
<td>No information available</td>
<td></td>
<td></td>
</tr>
<tr>
<td>upper flammability limit</td>
<td></td>
<td></td>
<td>No information available</td>
<td></td>
<td></td>
</tr>
<tr>
<td>lower flammability limit</td>
<td></td>
<td></td>
<td>No information available</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Explosion Limits</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>upper</td>
<td></td>
<td></td>
<td>No information available</td>
<td></td>
<td></td>
</tr>
<tr>
<td>lower</td>
<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>17</td>
<td></td>
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</tr>
<tr>
<td>Vapor density</td>
<td>0.62</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1.00</td>
<td></td>
<td>No information available</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
10. STABILITY AND REACTIVITY

Stability
Stable

Incompatible products
Strong oxidizing agents and anionics

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 (mg/kg)</th>
<th>LD50 Dermal (mg/kg)</th>
<th>LC50 Inhalation (mg/L)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isopropyl alcohol</td>
<td>4396 (Rat)</td>
<td>12800 (Rat)</td>
<td>72.6 (Rat) 4 h</td>
</tr>
<tr>
<td>Alkyl (C12-16) dimethylbenzylammonium chloride</td>
<td>426 (Rat)</td>
<td></td>
<td></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>Isopropyl alcohol</td>
<td>Group 1</td>
<td>Group 3</td>
<td></td>
<td>X</td>
</tr>
</tbody>
</table>

Target Organ Effects
None known.

12. ECOLOGICAL INFORMATION

Ecotoxicity
The environmental impact of this product has not been fully investigated
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>log Pow</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isopropyl alcohol</td>
<td>0.05</td>
</tr>
</tbody>
</table>

14. TRANSPORT INFORMATION

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>ELINCS</td>
<td>-</td>
</tr>
<tr>
<td>ENCS</td>
<td>Complies</td>
</tr>
<tr>
<td>IECSC</td>
<td>Complies</td>
</tr>
</tbody>
</table>
KECL - Complies
PICCS - Complies
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
SARA TITLE III (EPCRA) NOTIFICATION: ISOPROPYL ALCOHOL [Reportable under section 313 and section 6607 of the Pollution Prevention Act]
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>Isopropyl alcohol</td>
<td></td>
<td>Mexico: TWA 400 ppm Mexico: TWA 980 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Mexico: STEL 500 ppm Mexico: STEL 1225 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.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>NPRI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isopropyl alcohol</td>
<td>X</td>
</tr>
</tbody>
</table>

16. OTHER INFORMATION

Prepared By: Swisher Hygiene Inc.
4725 Piedmont Row Drive
Suite 400
Charlotte, NC 28210

Issuing date: 06-Oct-2011
Revision Date: 14-Oct-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