1. PRODUCT AND COMPANY IDENTIFICATION

Product name: Swisher Turquoise 3 RTU

Product code: 40115-32OZ
Recommended Use: Non Acid Disinfectant Cleaner

EPA Registration Number: 47371-97-72802

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: Causes burns
- Skin: Causes burns
- Inhalation: No known effect based on information supplied
- 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>Didecyldimethylammonium chloride</td>
<td>7173-51-5</td>
<td>0</td>
</tr>
<tr>
<td>Benzalkonium chloride</td>
<td>8001-54-5</td>
<td>0</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; flush with flowing water for 15 minutes. See physician if burning persists.

Inhalation
Move to fresh air

Ingestion
Give a teaspoonful of milk of magnesia, followed with milk or water to dilute material, and/or raw egg whites. 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
Water spray or fog, foam, dry chemical, carbon dioxide 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 1
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
Dike large spills and pump to suitable containers for disposal.

Methods for cleaning up
Mop up small spills and 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
Store upright in original closed container.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure Guidelines**
Review Section 3 & 4 for Exposure Guidelines.

**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
- 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>
</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>clear Turquoise</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Odor</td>
<td></td>
<td>Characteristic</td>
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</tr>
<tr>
<td>Odor Threshold</td>
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<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks</th>
<th>Methods</th>
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<tr>
<td>pH</td>
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<tr>
<td>Melting/freezing point</td>
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</tr>
<tr>
<td>Freezing Point</td>
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</tr>
<tr>
<td>Boiling point/boiling range</td>
<td>212 °F</td>
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</tr>
<tr>
<td>Flash Point</td>
<td></td>
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<td></td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>GT 1.0</td>
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</tr>
<tr>
<td>Flammability (solid, gas)</td>
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</tr>
<tr>
<td>Flammability Limits in Air</td>
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<td></td>
</tr>
<tr>
<td>upper flammability limit</td>
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<td></td>
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<tr>
<td>lower flammability limit</td>
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<td></td>
<td></td>
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<tr>
<td>Explosion Limits</td>
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<tr>
<td>upper</td>
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<td>lower</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>17</td>
<td>No information available</td>
<td></td>
</tr>
</tbody>
</table>
**10. STABILITY AND REACTIVITY**

**Stability**
Stable, protect from freezing.

**Incompatible products**
Strong oxidizing, reducing agents; acids; 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</th>
<th>LC50 Inhalation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Didecyldimethylammonium chloride</td>
<td>84 (Rat)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Benzalkonium chloride</td>
<td>240 (Rat)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Chronic toxicity**

**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
Disinfectant Solution, Not Regulated

Dot
Proper shipping name
Disinfectant Solution, 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

International Inventories

<table>
<thead>
<tr>
<th>TSCA</th>
<th>TSCA</th>
</tr>
</thead>
<tbody>
<tr>
<td>DSL</td>
<td>Complies</td>
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<tr>
<td>NDSL</td>
<td>Complies</td>
</tr>
<tr>
<td>EINECS</td>
<td>-</td>
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<tr>
<td>ELINCS</td>
<td>-</td>
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<tr>
<td>ENCS</td>
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<tr>
<td>IECSC</td>
<td>Complies</td>
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<tr>
<td>KECL</td>
<td>Complies</td>
</tr>
<tr>
<td>PICCS</td>
<td>Complies</td>
</tr>
<tr>
<td>AICS</td>
<td>Complies</td>
</tr>
</tbody>
</table>

Benzalkonium chloride

| 0.223 - 0.46: 96 h Lepomis macrochirus mg/L LC50 static 0.823 - 1.61: 96 h Oncorhynchus mykiss mg/L LC50 static 1.3: 96 h Poecilia reticulata mg/L LC50 semi-static 2.4: 96 h Oryzias latipes mg/L LC50 semi-static | |

IECSC Complies

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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: 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 (CERCLA) 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.

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
03-Oct-2011

Revision Date
03-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