1. Product and Company Identification

Product Name: LYSOL® HEALTHY TOUCH™ Antibacterial Hand Wash, All Scents
UPC CODES: Refer to Section 16
CAS #: Mixture
Product use: For hand washing to decrease bacteria on the skin.
Manufacturer: Reckitt Benckiser
Morris Corporate Center IV
399 Interpace Parkway
P.O. Box 225
Parsippany, NJ 07054-0225
In Case of Emergency: 1-800-228-4722
Transportation Emergencies: 24 Hour Number:
North America: CHEMTREC: 1-800-424-9300
Outside North America: 1-703-527-3887

2. Hazards Identification

Emergency overview: Warnings: For external use only. When using this product: Avoid contact with eyes. In case of eye contact, flush with water. Stop use and ask a doctor if irritation or redness develops.

Potential short term health effects:

Routes of exposure:
Eye, Skin contact, Inhalation, Ingestion.

Eyes:
None expected during normal conditions of use. May cause eye irritation upon direct contact with the eyes.

Skin:
None expected during normal conditions of use. Not expected to be a skin sensitizer.

Inhalation:
None expected during normal conditions of use.

Ingestion:
Health injuries are not known or expected under normal use.

Target organs:

Chronic effects:
The finished product is not expected to have chronic health effects.

Signs and symptoms:
There are no hazards associated with this product in normal use.

3. Composition / Information on Ingredients

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>CAS #</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-Dodecanamine, N,N-dimethyl-, N-oxide</td>
<td>1643-20-5</td>
<td>1 - 2.5</td>
</tr>
<tr>
<td>1-Hexadecanaminium, N,N,N-trimethyl-, chloride</td>
<td>112-02-7</td>
<td>1 - 2.5</td>
</tr>
<tr>
<td>Dodecanamide, N,N-bis(2-hydroxyethyl)-</td>
<td>120-40-1</td>
<td>1 - 2.5</td>
</tr>
<tr>
<td>Glycerol</td>
<td>56-81-5</td>
<td>1 - 2.5</td>
</tr>
<tr>
<td>Benzethonium Chloride</td>
<td>121-54-0</td>
<td>0.1 - 1</td>
</tr>
</tbody>
</table>
4. First Aid Measures

First aid procedures

<table>
<thead>
<tr>
<th>Eye contact</th>
<th>In case of eye contact, flush with water.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin contact</td>
<td>Product intended to be used on skin. Wash skin with water. If skin irritation persists, call a physician.</td>
</tr>
<tr>
<td>Inhalation</td>
<td>Move to fresh air.</td>
</tr>
<tr>
<td>Ingestion</td>
<td>If swallowed, get medical help or contact a poison control centre right away.</td>
</tr>
</tbody>
</table>

Notes to physician

Treat patient symptomatically.

General advice

If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Keep out of reach of children.

5. Fire Fighting Measures

Flammable properties

Not flammable by OSHA criteria.

Extinguishing media

Suitable extinguishing media

Treat for surrounding material.

Unsuitable extinguishing media

Not available

Protection of firefighters

Specific hazards arising from the chemical

Not available

Protective equipment for firefighters

Firefighters should wear full protective clothing including self contained breathing apparatus.

Hazardous combustion products

May include and are not limited to: Oxides of carbon. Oxides of nitrogen.

Explosion data

Sensitivity to mechanical impact

Not available

Sensitivity to static discharge

Not available

6. Accidental Release Measures

Personal precautions

Ensure adequate ventilation.

Avoid contact with eyes.

Methods for containment

Stop leak if you can do so without risk. Prevent entry into waterways, sewers, basements or confined areas.

Methods for cleaning up

Before attempting clean up, refer to hazard data given above. Small spills may be absorbed with non-reactive absorbent and placed in suitable, covered, labelled containers. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice. Never return spills in original containers for re-use.

7. Handling and Storage

Handling

Use according to package label instructions.

Avoid contact with eyes.

For external use only.

Storage

Store at room temperature in the original container.

Keep out of reach of children.
8. Exposure Controls / Personal Protection

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>Exposure Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-Dodecanamine, N,N-dimethyl-,N-oxide</td>
<td>ACGIH-TLV Not established OSHA-PEL Not established</td>
</tr>
<tr>
<td>1-Hexadecanaminium, N,N,N-trimethyl-, chloride</td>
<td>ACGIH-TLV Not established OSHA-PEL Not established</td>
</tr>
<tr>
<td>Benzethonium Chloride</td>
<td>ACGIH-TLV Not established OSHA-PEL Not established</td>
</tr>
<tr>
<td>Dodecanamide, N,N-bis(2-hydroxyethyl)-</td>
<td>ACGIH-TLV Skin: 0.46 ppm OSHA-PEL Not established</td>
</tr>
<tr>
<td>Glycerol</td>
<td>ACGIH-TLV TWA: 10 mg/m3 OSHA-PEL TWA: 15 mg/m3</td>
</tr>
</tbody>
</table>

Engineering controls
Personal protective equipment

- **Eye / face protection**: Avoid contact with eyes. If splashes are likely to occur, wear:
  - Wear safety glasses with side shields.
- **Hand protection**: No special requirements under normal use conditions.
- **Skin and body protection**: Follow label directions carefully.
- **Respiratory protection**: Not normally required under normal use conditions.
- **General hygiene considerations**: Handle in accordance with good industrial hygiene and safety practice.

9. Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>aqueous solution</td>
</tr>
<tr>
<td>Color</td>
<td>Blue, / Green, Green / Yellow</td>
</tr>
<tr>
<td>Form</td>
<td>Liquid</td>
</tr>
<tr>
<td>Odor</td>
<td>Characteristic</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>Not available</td>
</tr>
<tr>
<td>Physical state</td>
<td>Liquid</td>
</tr>
<tr>
<td>pH</td>
<td>4.3 - 5.0</td>
</tr>
<tr>
<td>Freezing point</td>
<td>Not available</td>
</tr>
<tr>
<td>Pour point</td>
<td>Not available</td>
</tr>
<tr>
<td>Boiling point</td>
<td>Not available</td>
</tr>
<tr>
<td>Flash point</td>
<td>&gt; 199.94 °F (&gt; 93.3 °C)</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>Not available</td>
</tr>
<tr>
<td>Flammability limits in air, lower, % by volume</td>
<td>Not available</td>
</tr>
<tr>
<td>Flammability limits in air, upper, % by volume</td>
<td>Not available</td>
</tr>
</tbody>
</table>
### 10. Stability and Reactivity

**Chemical stability**
Stable under recommended storage conditions.

**Conditions to avoid**
Do not mix with other chemicals. Excessive heat.

**Incompatible materials**
Do not mix with anything but water.

**Hazardous decomposition products**
May include and are not limited to: Oxides of carbon. Oxides of nitrogen.

**Possibility of hazardous reactions**
Hazardous polymerization does not occur.

### 11. Toxicological Information

#### Component analysis - LC50

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-Dodecanamine, N,N-dimethyl-,N-oxide</td>
<td>Not available</td>
</tr>
<tr>
<td>1-Hexadecanaminium, N,N,N-trimethyl-, chloride</td>
<td>Not available</td>
</tr>
<tr>
<td>Benzethonium Chloride</td>
<td>Not available</td>
</tr>
<tr>
<td>Dodecanamide, N,N-bis(2-hydroxyethyl)</td>
<td>Not available</td>
</tr>
<tr>
<td>Glycerol</td>
<td>Not available</td>
</tr>
</tbody>
</table>

#### Component analysis - Oral LD50

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>LD50</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-Dodecanamine, N,N-dimethyl-,N-oxide</td>
<td>2700 mg/kg mouse</td>
</tr>
<tr>
<td>1-Hexadecanaminium, N,N,N-trimethyl-, chloride</td>
<td>475 mg/kg rat</td>
</tr>
<tr>
<td>Benzethonium Chloride</td>
<td>368 mg/kg rat</td>
</tr>
<tr>
<td>Dodecanamide, N,N-bis(2-hydroxyethyl)</td>
<td>2700 mg/kg rat</td>
</tr>
<tr>
<td>Glycerol</td>
<td>Not available</td>
</tr>
</tbody>
</table>

#### Effects of acute exposure

**Eye**
None expected during normal conditions of use.
May cause eye irritation upon direct contact with the eyes.

**Skin**
None expected during normal conditions of use.
Not expected to be a skin sensitizer.

**Inhalation**
None expected during normal conditions of use.

**Ingestion**
Health injuries are not known or expected under normal use.

**Sensitization**
The finished product is not expected to have chronic health effects.

**Chronic effects**
The finished product is not expected to have chronic health effects.

**Carcinogenicity**
The finished product is not expected to have chronic health effects.

**Mutagenicity**
The finished product is not expected to have chronic health effects.

**Reproductive effects**
The finished product is not expected to have chronic health effects.

**Teratogenicity**
The finished product is not expected to have chronic health effects.

**Synergetic Materials**
Not available
### 12. Ecological Information

<table>
<thead>
<tr>
<th>Ecotoxicity</th>
<th>See below</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Ecotoxicity - Freshwater Fish Species Data</strong></td>
<td></td>
</tr>
<tr>
<td>Glycerol</td>
<td>56-81-5</td>
</tr>
<tr>
<td><strong>Ecotoxicity - Microtox Data</strong></td>
<td></td>
</tr>
<tr>
<td>1-Hexadecanaminium, N,N,N-trimethyl-, chloride</td>
<td>112-02-7</td>
</tr>
<tr>
<td><strong>Ecotoxicity - Water Flea Data</strong></td>
<td></td>
</tr>
<tr>
<td>Glycerol</td>
<td>56-81-5</td>
</tr>
</tbody>
</table>

**Environmental effects**
- Not available

**Aquatic toxicity**
- Not available

**Persistence / degradability**
- Not available

**Bioaccumulation / accumulation**
- Not available

**Partition coefficient**
- Not available

**Mobility in environmental media**
- Not available

**Chemical fate information**
- Not available

### 13. Disposal Considerations

<table>
<thead>
<tr>
<th>Waste codes</th>
<th>Not available</th>
</tr>
</thead>
<tbody>
<tr>
<td>Disposal instructions</td>
<td>Dispose in accordance with all applicable regulations. Hand soap system packaging and refill bottle are recyclable.</td>
</tr>
<tr>
<td>Waste from residues / unused products</td>
<td>Not available</td>
</tr>
<tr>
<td>Contaminated packaging</td>
<td>Not available</td>
</tr>
</tbody>
</table>

### 14. Transport Information

<table>
<thead>
<tr>
<th>UN/ID N.o.</th>
<th>Not applicable</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>U.S. Department of Transportation (DOT): Classification:</strong></td>
<td>Not regulated</td>
</tr>
<tr>
<td>Proper shipping name</td>
<td>Not applicable</td>
</tr>
<tr>
<td>U.S. DOT Hazard Class</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Subsidiary Risk</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Packing group</td>
<td>Not applicable</td>
</tr>
<tr>
<td>DOT RQ (lbs)</td>
<td>Not applicable</td>
</tr>
<tr>
<td>ERG NO</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

**Transportation of Dangerous Goods (TDG - Canada): Classification:**
- Not regulated

| Proper shipping name | Not applicable |
| Status | Not applicable |
| Packing group | Not applicable |
IMDG (Marine Transport): Classification: Not regulated

Proper shipping name: Not applicable
Class: Not applicable
Subsidiary Risk: Not applicable
Packing group: Not applicable
IMDG Page: Not applicable
Marine pollutant: Not applicable
EMS: Not applicable
MFAG: Not applicable
Maximum Quantity: Not applicable

IATA/ICAO (Air): Classification: Not regulated

Proper shipping name: Not applicable
Class: Not applicable
Subsidiary Risk: Not applicable
Packing group: Not applicable
Maximum Quantity: Not applicable

15. Regulatory Information

US Federal regulations

This product is NOT known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
All components are on the U.S. EPA TSCA Inventory List.

Product Registration:
Registered with FDA

Occupational Safety and Health Administration (OSHA)

29 CFR 1910.1200 hazardous chemical: No

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories
Immediate Hazard: No
Delayed Hazard: No
Fire Hazard: No
Pressure Hazard: No
Reactivity Hazard: No

Section 302 extremely hazardous substance: No
Section 311 hazardous chemical: No

Clean Air Act (CAA): Not available
Clean Water Act (CWA): Not available
State regulations

- **U.S. - Massachusetts - Right To Know List**
  - Glycerol 56-81-5 Present (mist)

- **U.S. - Minnesota - Hazardous Substance List**
  - Glycerol 56-81-5 Present (mist)

- **U.S. - New Jersey - Right to Know Hazardous Substance List**
  - Glycerol 56-81-5 sn 3319

- **U.S. - Pennsylvania - RTK (Right to Know) List**
  - Glycerol 56-81-5 Present

- **U.S. - Rhode Island - Hazardous Substance List**
  - Glycerol 56-81-5 Toxic; Flammable

Inventory status

<table>
<thead>
<tr>
<th>Country(s) or region</th>
<th>Inventory name</th>
<th>On inventory (yes/no)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>United States &amp; Puerto Rico</td>
<td>Toxic Substances Control Act (TSCA) Inventory</td>
<td>Yes</td>
</tr>
</tbody>
</table>

A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s).

16. Other Information

Disclaimer

This product should only be used as directed on the label and for the purpose intended. To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Further information

- 0-190652-9 - LYSOL® HEALTHY TOUCH™ Hand Soap - Refill Cleansing Green Tea & Ginger - 8.5 oz. - 0231422
- 0-190652-6 - LYSOL® HEALTHY TOUCH™ Hand Soap - Refill Refreshing Grapefruit Essence - 8.5 oz. - 0231423
- 0-190622-8 - LYSOL® HEALTHY TOUCH™ Hand Soap - Refill Soothing Cucumber Splash - 8.5 oz. - 0231421
- 0-190652-9 - LYSOL® HEALTHY TOUCH™ Hand Soap - System Cleansing Green Tea & Ginger - 8.5 oz. - 0231422
- 0-190612-1 - LYSOL® HEALTHY TOUCH™ Hand Soap - System Soothing Cucumber Splash - System - 0231421

Issue date

09-Feb-2010

Effective date

01-Feb-2010

Prepared by

Reckitt Benckiser Regulatory Department  800-333-3899

Other information

For an updated MSDS, please contact the supplier/manufacturer listed on the first page of the document.