MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Product Name LYSOL® No-Touch™ Antibacterial Hand Soap - All Scents
CAS # Mixture

This MSDS is designed for workplace employees, emergency personnel and for other conditions and situations where there is a greater potential for large-scale or prolonged exposure, in accordance with requirements of the U.S. Government's Occupational Safety and Health Administration (OSHA). This MSDS is not applicable for consumer use of our products. For consumer use, all precautionary and first aid language is provided on the product label in accordance with the applicable government regulation.

Product Use Hand cleaner

Distributed by Reckitt Benckiser
Morris Corporate Center IV
399 Interpace Parkway
P.O. Box 225
Parsippany, NJ 07054-0225
In Case of Emergency: 1-800-338-6167
Transportation Emergencies: 24 Hour Number:
North America: CHEMTREC: 1-800-424-9300
Outside North America: 1-703-527-3887

LEGEND
HMIS/NFPA

<table>
<thead>
<tr>
<th>Health</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>A</td>
</tr>
</tbody>
</table>

2. Hazards Identification

Emergency overview This product is regulated by the US FDA as an over-the-counter, monograph drug. Warnings: For external use only.
When using this product: Avoid contact with eyes. In case of eye contact, flush eyes with water.
Stop use and ask a doctor if irritation or redness develops.
If swallowed, get medical help or contact a Poison Control Center right away.

KEEP OUT OF REACH OF CHILDREN.

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 Eyes. Respiratory system. Skin.

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.

OSHA Regulatory Status This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Potential environmental effects See section 12.
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>Benzalkonium Chloride</td>
<td>63449-41-2</td>
<td>0.1 - 1</td>
</tr>
</tbody>
</table>

4. First Aid Measures

First aid procedures

Eye contact
In case of eye contact, flush eyes with water. Stop use and ask a doctor if irritation and redness develops. Remove contact lenses, if applicable, and continue flushing.

Skin contact
Stop use and ask a doctor if irritation or redness develops.

Inhalation
Move exposed person to fresh air.

Ingestion
If swallowed, get medical help or contact a poison control center right away. Wash mouth out with water.

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. Avoid contact with eyes.

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.
Floors may become slippery.
Keep unnecessary personnel away.

Environmental precautions
Do not discharge into lakes, streams, ponds or public waters.
Advise authorities if product has penetrated drains, sewers or water pipes.

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 to original containers for re-use.

7. Handling and Storage

Handling
Use according to package label instructions.
Ensure adequate ventilation.
Avoid contact with eyes.
Do not ingest.
For external use only.
Do not reuse this container.
Avoid breathing mists or vapors.
Storage
Store in original container in a cool, secure area inaccessible to children and pets.

Store at room temperature.
Keep container tightly closed and upright to prevent leakage.

8. Exposure Controls / Personal Protection

<table>
<thead>
<tr>
<th>Exposure limits</th>
<th>Ingredient(s)</th>
<th>Exposure Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1-Dodecanamine, N,N-dimethyl-,N-oxide</td>
<td>ACGIH-TLV</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Not established</td>
</tr>
<tr>
<td></td>
<td></td>
<td>OSHA-PEL</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Not established</td>
</tr>
<tr>
<td></td>
<td>1-Hexadecanaminium, N,N,N-trimethyl-, chloride</td>
<td>ACGIH-TLV</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Not established</td>
</tr>
<tr>
<td></td>
<td></td>
<td>OSHA-PEL</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Not established</td>
</tr>
<tr>
<td></td>
<td>Benzalkonium Chloride</td>
<td>ACGIH-TLV</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Not established</td>
</tr>
<tr>
<td></td>
<td></td>
<td>OSHA-PEL</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Not established</td>
</tr>
</tbody>
</table>

Engineering controls
General ventilation normally adequate.

Personal protective equipment
Consult the product label for special protection or precautions that have been identified for using this product under directed consumer use conditions. The following recommendations are given for workplace employees, emergency personnel and for other conditions and situations where there is a greater potential for large-scale or prolonged exposure.

Eye / face protection
Avoid contact with eyes. If splashes are likely to occur, wear:
Safety glasses with side-shields.

Hand protection
No special requirements under normal use conditions.

Skin and body protection
Usual safety precautions while handling the product will provide adequate protection against injury or irritation.
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>Liquid</td>
</tr>
<tr>
<td>Color</td>
<td>Variable</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</td>
</tr>
<tr>
<td>Freezing point</td>
<td>Not available</td>
</tr>
<tr>
<td>Boiling point</td>
<td>Not available</td>
</tr>
<tr>
<td>Pour point</td>
<td>Not available</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>Not available</td>
</tr>
<tr>
<td>Flash point</td>
<td>&gt; 199.94 °F (&gt; 93.3 °C)</td>
</tr>
<tr>
<td>Auto-ignition temperature</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

<table>
<thead>
<tr>
<th>Property</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Reactivity</strong></td>
<td>This product may react with strong oxidizing agents.</td>
</tr>
<tr>
<td><strong>Possibility of hazardous reactions</strong></td>
<td>Hazardous polymerization does not occur.</td>
</tr>
<tr>
<td><strong>Chemical stability</strong></td>
<td>Stable under recommended storage conditions.</td>
</tr>
<tr>
<td><strong>Conditions to avoid</strong></td>
<td>Do not mix with other chemicals.</td>
</tr>
<tr>
<td></td>
<td>Excessive heat.</td>
</tr>
<tr>
<td></td>
<td>Exposure to moisture.</td>
</tr>
<tr>
<td></td>
<td>Keep from freezing.</td>
</tr>
<tr>
<td><strong>Incompatible materials</strong></td>
<td>Do not mix with anything but water.</td>
</tr>
<tr>
<td><strong>Hazardous decomposition products</strong></td>
<td>May include and are not limited to: Oxides of carbon. Oxides of nitrogen.</td>
</tr>
</tbody>
</table>

### 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>Benzalkonium Chloride</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>Benzalkonium Chloride</td>
<td>240 mg/kg rat; 150 mg/kg mouse</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.
- **Name of Toxicologically Synergistic Products**: Not available

### 12. Ecological Information

#### Ecotoxicity
- Not available

#### Persistence / degradability
- Not available

#### Bioaccumulation / accumulation
- Not available

#### Mobility in environmental media
- Not available

#### Environmental effects
- Not available

#### Aquatic toxicity
- Not available
13. Disposal Considerations

Disposal instructions
Dispose in accordance with all applicable regulations. Hand soap system packaging and refill bottle are recyclable.

Waste from residues / unused products
Not available

Contaminated packaging
Not available

14. Transport Information

U.S. Department of Transportation (DOT)

Basic shipping requirements:
Proper shipping name
Not applicable
Hazard class
Not applicable (Not applicable)
Packing group
Not applicable
Marine pollutant
Not applicable
Severe marine pollutant
Not applicable

Additional information:
Special provisions
Not applicable
Packaging exceptions
Not applicable

UN/ID N.o.
Not applicable

U.S. Department of Transportation (DOT): Classification: Not regulated
Proper shipping name
Not applicable
U.S. DOT Hazard Class
Not applicable
Subsidiary Risk
Not applicable
Packing group
Not applicable
DOT RQ (lbs)
Not applicable
ERG NO
Not applicable

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

Occupational Safety and Health Administration (OSHA)
29 CFR 1910.1200 hazardous chemical
Yes

US Federal regulations
This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
Product Registration: Registered with FDA

CERCLA (Superfund) reportable quantity
Formic acid: 5000.0000

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 Water Act (CWA)
Not available

State regulations
See below

Inventory status

Country(s) or region Inventory name On inventory (yes/no)*
United States & Puerto Rico Toxic Substances Control Act (TSCA) Inventory Yes

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

- LYSOL® No-Touch™ Antibacterial Hand Soap - Aloe Vera & Vitamin E, 8.5 oz - 0388059v1.0
- LYSOL® No-Touch™ Antibacterial Hand Soap - Cranberry Cheer, 8.5 oz - 8028604v1.0
- LYSOL® No-Touch™ Antibacterial Hand Soap - Creamy Vanilla Bliss, 8.5 oz - 8028602v1.0
- LYSOL® No-Touch™ Antibacterial Hand Soap - Fresh Cranberry Delight, 8.5 oz - 8028604v1.0
- LYSOL® No-Touch™ Antibacterial Hand Soap - Refreshing Grapefruit Essence, 8.5 oz - 0395969v1.0
- LYSOL® No-Touch™ Antibacterial Hand Soap - Soothing Cucumber Splash, 8.5 oz - 0395970v1.0
- LYSOL® No-Touch™ Antibacterial Hand Soap - Vanilla Sugar & Spice, 8.5 oz - 8028602v1.0
- LYSOL® No-Touch™ Antibacterial Hand Soap - Winterberry Sparkle, 8.5 oz - 8028609v1.0

Issue date

- 20-Dec-2012

Effective date

- 15-Dec-2012

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.