

## 1. Product and Company Identification

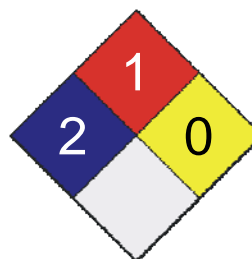
**Product Name** LYSOL® No-Touch™ Antibacterial Hand Soap - All Scents  
**CAS #** Mixture  
**This MSDS is designed for workplace employees, emergency personnel and for other conditions and situations where there is a greater potential for large-scale or prolonged exposure, in accordance with requirements of the Canadian Workplace Hazardous Materials Information System (WHMIS).**  
**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 (Canada) Inc.  
 1680 Tech Avenue Unit #2  
 Mississauga, ON L4W 5S9  
 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	
Severe	4
Serious	3
Moderate	2
Slight	1
Minimal	0

Health	* 2
Flammability	1
Physical Hazard	0
Personal Protection	A



## 2. Hazards Identification

**Emergency Overview** This product is regulated by Health Canada as a disinfectant. Extensive testing has been completed to show that it is safe and effective when used as directed.  
**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

#### Eyes

Eye, Skin contact, Inhalation, Ingestion.  
 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.

### Potential environmental effects

See section 12.

### 3. Composition/Information on Ingredients

Ingredient(s)	CAS #	Percent
Benzalkonium Chloride	63449-41-2	0.1 - 1
Lauryldimethylamine oxide	1643-20-5	0.5 - 1.5
1-Hexadecanaminium, N,N,N-trimethyl-, chloride	112-02-7	1 - 5

### 4. First Aid Measures

#### First aid procedures

<b>Eye contact</b>	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.
<b>Skin contact</b>	Stop use and ask a doctor if irritation or redness develops.
<b>Inhalation</b>	Move exposed person to fresh air.
<b>Ingestion</b>	If swallowed, get medical help or contact a poison control centre 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

<b>Flammable properties</b>	Not flammable by WHMIS criteria.
<b>Extinguishing media</b>	
<b>Suitable extinguishing media</b>	Treat for surrounding material.
<b>Unsuitable extinguishing media</b>	Not available
<b>Protection of firefighters</b>	
<b>Specific hazards arising from the chemical</b>	Not available
<b>Protective equipment for firefighters</b>	Firefighters should wear full protective clothing including self contained breathing apparatus.
<b>Hazardous combustion products</b>	May include and are not limited to: Oxides of carbon. Oxides of nitrogen.
<b>Explosion data</b>	
<b>Sensitivity to mechanical impact</b>	Not available
<b>Sensitivity to static discharge</b>	Not available

### 6. Accidental Release Measures

<b>Personal precautions</b>	Ensure adequate ventilation. Avoid contact with eyes. Floors may become slippery. Keep unnecessary personnel away.
<b>Environmental precautions</b>	Do not discharge into lakes, streams, ponds or public waters. Advise authorities if product has penetrated drains, sewers or water pipes.
<b>Methods for containment</b>	Stop leak if you can do so without risk. Prevent entry into waterways, sewers, basements or confined areas.
<b>Methods for cleaning up</b>	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

<b>Handling</b>	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 vapours.
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**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.

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## 8. Exposure Controls / Personal Protection

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**Exposure limit values****Ingredient(s)****Exposure limit values**

1-Hexadecanaminium, N,N,N-trimethyl-, chloride

**ACGIH-TLV**

Not established

Lauryldimethylamine oxide

**ACGIH-TLV**

Not established

Benzalkonium Chloride

**ACGIH-TLV**

Not established

**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.

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## 9. Physical and Chemical Properties

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<b>Appearance</b>	Liquid
<b>Colour</b>	Variable
<b>Form</b>	Liquid
<b>Odour</b>	Characteristic
<b>Odour threshold</b>	Not available
<b>Physical state</b>	Liquid
<b>pH</b>	4.3 - 5
<b>Freezing point</b>	Not available
<b>Boiling point</b>	Not available
<b>Pour point</b>	Not available
<b>Evaporation Rate</b>	Not available
<b>Flash point</b>	> 93.3 °C (> 199.94 °F)
<b>Auto-ignition temperature</b>	Not available
<b>Flammability limits in air, lower, % by volume</b>	Not available
<b>Flammability Limits in Air, Upper, % by Volume</b>	Not available
<b>Vapour pressure</b>	Not available
<b>Vapour density</b>	Not available
<b>Specific gravity</b>	0.98 - 1.04
<b>Octanol/water coefficient</b>	Not available
<b>Solubility (H<sub>2</sub>O)</b>	Complete

## 10. Stability and Reactivity

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

## 11. Toxicological Information

### Component analysis - LC50

<b>Ingredient(s)</b>	<b>LC50</b>
1-Hexadecanaminium, N,N,N-trimethyl-, chloride	Not available
Lauryldimethylamine oxide	Not available
Benzalkonium Chloride	Not available

### Component analysis - Oral LD50

<b>Ingredient(s)</b>	<b>LD50</b>
1-Hexadecanaminium, N,N,N-trimethyl-, chloride	475 mg/kg rat
Lauryldimethylamine oxide	2700 mg/kg mouse
Benzalkonium Chloride	240 mg/kg rat; 150 mg/kg mouse

### Effects of acute exposure

<b>Eye</b>	None expected during normal conditions of use. May cause eye irritation upon direct contact with the eyes.
<b>Skin</b>	None expected during normal conditions of use. Not expected to be a skin sensitizer.
<b>Inhalation</b>	None expected during normal conditions of use.
<b>Ingestion</b>	Health injuries are not known or expected under normal use.
<b>Sensitisation</b>	The finished product is not expected to have chronic health effects.
<b>Chronic effects</b>	The finished product is not expected to have chronic health effects.
<b>Carcinogenicity</b>	The finished product is not expected to have chronic health effects.
<b>Mutagenicity</b>	The finished product is not expected to have chronic health effects.
<b>Reproductive effects</b>	The finished product is not expected to have chronic health effects.
<b>Teratogenicity</b>	The finished product is not expected to have chronic health effects.
<b>Name of Toxicologically Synergistic Products</b>	Not available

## 12. Ecological Information

<b>Ecotoxicity</b>	Not available
<b>Persistence and degradability</b>	Not available
<b>Bioaccumulation/accumulation</b>	Not available
<b>Mobility in environmental media</b>	Not available
<b>Environmental effects</b>	Not available
<b>Aquatic toxicity</b>	Not available
<b>Partition coefficient</b>	Not available
<b>Chemical fate information</b>	Not available
<b>Other adverse effects</b>	Not available

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## 13. Disposal Considerations

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<b>Disposal instructions</b>	Dispose in accordance with all applicable regulations. Hand soap system packaging and refill bottle are recyclable.
<b>Waste from residues / unused products</b>	Not available
<b>Contaminated packaging</b>	Not available

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## 14. Transport Information

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**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

<b>Proper shipping name</b>	Not applicable
<b>Class</b>	Not applicable
<b>Subsidiary Risk:</b>	Not applicable
<b>Packing group</b>	Not applicable
<b>Maximum Quantity</b>	Not applicable

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## 15. Regulatory Information

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**Canadian federal regulations** This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

Product Registration: Registered with TPD, DIN 02392461, 02387220, 02387069

**Canada - WHMIS - Ingredient Disclosure List**

Lauryldimethylamine oxide	1643-20-5	1 %
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**WHMIS classification** Exempt - Registered product - (DIN Variable)

**Inventory Status**

Country(s) or region	Inventory Name	On Inventory (Yes/No)*
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No

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

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## 16. Other Information

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**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, 251 mL - 0388059v1.0  
LYSOL® No-Touch™ Antibacterial Hand Soap - Cranberry, 251 mL - 8028604v1.0  
LYSOL® No-Touch™ Antibacterial Hand Soap - Refreshing Grapefruit Essence, 251 mL - 0395969v1.0  
LYSOL® No-Touch™ Antibacterial Hand Soap - Soothing Cucumber Splash, 251 mL - 0395970v1.0  
LYSOL® No-Touch™ Antibacterial Hand Soap - Vanilla & Brown Sugar, 251 mL - 8028602v1.0

**Issue date** 20-Dec-2012

**Effective Date** 15-Dec-2012

**Expiry Date** 15-Dec-2015

**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.