

1. Product and Company Identification

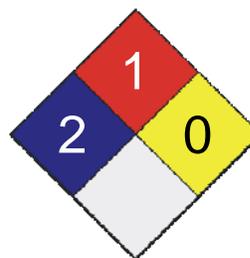
Product Name LYSOL® No-Touch™ Antibacterial Hand Soap - All Scents
CAS # Mixture
This MSDS is designed for workplace employees, emergency personnel and for other conditions and situations where there is a greater potential for large-scale or prolonged exposure, in accordance with requirements of the 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	
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 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

Eyes

Skin

Inhalation

Ingestion

Target organs

Chronic effects

Signs and symptoms

OSHA Regulatory Status

Potential environmental effects

Eye, Skin contact, Inhalation, Ingestion.
 None expected during normal conditions of use.
 May cause eye irritation upon direct contact with the eyes.
 None expected during normal conditions of use.
 Not expected to be a skin sensitizer.
 None expected during normal conditions of use.
 Health injuries are not known or expected under normal use.
 Eyes. Respiratory system. Skin.
 The finished product is not expected to have chronic health effects.
 There are no hazards associated with this product in normal use.
 This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
 See section 12.

3. Composition / Information on Ingredients

Ingredient(s)	CAS #	Percent
1-Dodecanamine, N,N-dimethyl-,N-oxide	1643-20-5	1 - 2.5
1-Hexadecanaminium, N,N,N-trimethyl-, chloride	112-02-7	1 - 2.5
Benzalkonium Chloride	63449-41-2	0.1 - 1

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

Exposure limits

Ingredient(s)	Exposure Limits
1-Dodecanamine, N,N-dimethyl-,N-oxide	ACGIH-TLV Not established OSHA-PEL Not established
1-Hexadecanaminium, N,N,N-trimethyl-, chloride	ACGIH-TLV Not established OSHA-PEL Not established
Benzalkonium Chloride	ACGIH-TLV Not established OSHA-PEL 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.

9. Physical and Chemical Properties

Appearance	Liquid
Color	Variable
Form	Liquid
Odor	Characteristic
Odor threshold	Not available
Physical state	Liquid
pH	4.3 - 5
Freezing point	Not available
Boiling point	Not available
Pour point	Not available
Evaporation rate	Not available
Flash point	> 199.94 °F (> 93.3 °C)
Auto-ignition temperature	Not available
Flammability limits in air, lower, % by volume	Not available
Flammability limits in air, upper, % by volume	Not available

Vapor pressure	Not available
Vapor density	Not available
Specific gravity	0.98 - 1.04
Octanol/water coefficient	Not available
Solubility (H2O)	Complete

10. Stability and Reactivity

Reactivity	This product may react with strong oxidizing agents.
Possibility of hazardous reactions	Hazardous polymerization does not occur.
Chemical stability	Stable under recommended storage conditions.
Conditions to avoid	Do not mix with other chemicals. Excessive heat. Exposure to moisture. Keep from freezing.
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.

11. Toxicological Information

Component analysis - LC50

Ingredient(s)	LC50
1-Dodecanamine, N,N-dimethyl-,N-oxide	Not available
1-Hexadecanaminium, N,N,N-trimethyl-, chloride	Not available
Benzalkonium Chloride	Not available

Component analysis - Oral LD50

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

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

Partition coefficient	Not available
Chemical fate information	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 ap
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.