

MATERIAL SAFETY DATA SHEET

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

LEGEND
HMIS/NFPA

Severe 4
Serious 3
Moderate 2
Slight 1
Minimal 0





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.

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. Kidney. 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.

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 |
| Dodecanamide, N,N-bis(2-hydroxyethyl)- | 120-40-1 | 1 - 2.5 |
| Glycerol | 56-81-5 | 1 - 2.5 |
| Benzethonium Chloride | 121-54-0 | 0.1 - 1 |

4. First Aid Measures

First aid procedures

Eye contact In case of eye contact, flush with water.

Product intended to be used on skin. Wash skin with water. If skin irritation persists, call Skin contact

a physician.

Inhalation Move to fresh air.

If swallowed, get medical help or contact a poison control centre right away. Ingestion

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

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

apparatus.

Hazardous combustion products

Explosion data

Not available

Sensitivity to mechanical impact

Sensitivity to static discharge Not available

6. Accidental Release Measures

Ensure adequate ventilation. Personal precautions

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.

Store at room temperature in the original container. Storage

Keep out of reach of children.

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| 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 | |
| Benzethonium Chloride | | ACGIH-TLV | |
| | | Not established | |
| | | OSHA-PEL | |
| | | Not established | |
| Dodecanamide, N,N-bis(2-hydroxyethyl)- | | ACGIH-TLV | |
| | | Skin: 0.46 ppm | |
| | | OSHA-PEL | |
| | | Not established | |
| Glycerol | | ACGIH-TLV | |
| | | TWA: 10 mg/m3 | |
| | | OSHA-PEL | |
| | | TWA: 15 mg/m3 | |
| Engineering controls | General ventilati | General ventilation normally adequate. | |
| Personal protective equipment | | | |
| Eye / face protection | | Avoid contact with eyes. If splashes are likely to occur, wear: Wear safety glasses with side shields. | |
| The street of th | No provide requirements under normal use conditions | | |

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

Appearance aqueous solution

Color Blue. / Green, Green / Yellow

Form Liquid

Odor Characteristic
Odor threshold Not available
Physical state Liquid
pH 4.3 - 5.0
Freezing point Not available
Pour point Not available

Flash point > 199.94 °F (> 93.3 °C)

Evaporation rate Not available Flammability limits in air, lower, % Not available

by volume

Boiling point

% Not available

Not available

Flammability limits in air, upper, % by volume

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Vapor pressure

Vapor density

Not available

Specific gravity

Octanol/water coefficient

Solubility (H2O)

Auto-ignition temperature

Not available

Not available

Viscosity

Viscous

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 | |
|--|------------------|
| Ingredient(s) | LC50 |
| 1-Dodecanamine, N,N-dimethyl-,N-oxide | Not available |
| 1-Hexadecanaminium, N,N,N-trimethyl-, chloride | Not available |
| Benzethonium Chloride | Not available |
| Dodecanamide, N,N-bis(2-hydroxyethyl)- | Not available |
| Glycerol | 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 |
| Benzethonium Chloride | 368 mg/kg rat |
| Dodecanamide, N,N-bis(2-hydroxyethyl)- | 2700 mg/kg rat |
| Glycerol | Not available |

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

Synergistic Materials Not available

12. Ecological Information

Ecotoxicity See below

Ecotoxicity - Freshwater Fish Species Data

Glycerol 56-81-5 96 Hr LC50 Oncorhynchus mykiss: 51-57 ml/L [static]

Ecotoxicity - Microtox Data

Glycerol

1-Hexadecanaminium, N,N,N-

trimethyl-, chloride Ecotoxicity

- Water Flea Data

56-81-5

112-02-7

24 Hr EC50 Daphnia magna: >500 mg/L

5 Min EC50 Photobacterium phosphoreum: 1.35 mg/L; 10 min EC50 Photobacterium

phosphoreum: 0.98 mg/L; 15 min EC50 Photobacterium phosphoreum: 0.86 mg/L

Environmental effects Not available Not available Aquatic toxicity Not available Persistence / degradability Not available Bioaccumulation / accumulation Partition coefficient Not available Mobility in environmental media Not available Not available Chemical fate information

13. Disposal Considerations

Waste codes Not available

Dispose in accordance with all applicable regulations. **Disposal instructions**

Hand soap system packaging and refill bottle are recyclable.

Waste from residues / unused

products

Not available

Contaminated packaging

Not available

14. Transport Information

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

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IMDG (Marine Transport): Classification: Not regulated

Proper shipping name
ClassNot applicable
Not applicableSubsidiary RiskNot applicablePacking groupNot applicableIMDG PageNot applicable

Marine pollutantNot applicableEMSNot applicableMFAGNot applicable

Maximum Quantity

Not applicable

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

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

Not applicable

Occupational Safety and Health Administration (OSHA)

29 CFR 1910.1200 hazardous No

chemical

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 No.

hazardous substance

Section 311 hazardous chemical No

Clean Air Act (CAA) Not available
Clean Water Act (CWA) Not available

State regulations Not available

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

Country(s) or regionInventory nameOn inventory (yes/no)*United States & Puerto RicoToxic Substances Control Act (TSCA) InventoryYes

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

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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.

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