

## 1. Product and Company Identification

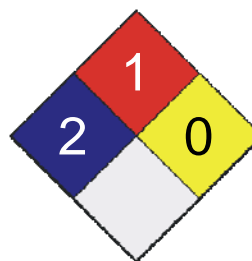
**Product Name** LYSOL® Brand III (Kills 99.9% of Viruses & Bacteria) Disinfectant Spray - All Scents  
**CAS #** Mixture  
**This MSDS is designed for workplace employees, emergency personnel and for other conditions and situations where there is a greater potential for large-scale or prolonged exposure, 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** Disinfectant

**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	3
Physical Hazard	0
Personal Protection	B



## 2. Hazards Identification

**Emergency overview** This product is regulated by the US EPA as a disinfectant.  
 PRECAUTIONARY STATEMENTS: HAZARDS TO HUMANS AND DOMESTIC ANIMALS  
 CAUTION  
 Causes moderate eye irritation. Do not spray in eyes, on skin or on clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco.  
 PHYSICAL HAZARDS: FLAMMABLE  
 Contents under pressure. Keep away from heat, sparks and open flame. Do not puncture or incinerate container. Exposure to temperatures above 130°F may cause bursting.  
 KEEP OUT OF REACH OF CHILDREN.

**Potential short term health effects**

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

**Eyes** Moderately irritating to the eyes.

**Skin** Slightly irritating to the skin.

**Inhalation** None expected during normal conditions of use.  
 However intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

**Ingestion** May be harmful if swallowed.

**Target organs** Blood. Liver. Respiratory system. Central nervous system. Heart.

**Chronic effects** Prolonged or repeated exposure can cause drying, defatting and dermatitis.

**Signs and symptoms** Symptoms may include redness, edema, drying, defatting and cracking of the skin.  
 Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

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

### 3. Composition / Information on Ingredients

Ingredient(s)	CAS #	Percent
Ethanol	64-17-5	40 - 60
Butane	106-97-8	2.5 - 10
Propane	74-98-6	1 - 2.5
Alkyl (40% C12, 50% C14, 10% C16) dimethyl benzyl ammonium saccharinate	Not Applicable	0 - 0.1

### 4. First Aid Measures

#### First aid procedures

##### Eye contact

If in eyes, hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

##### Skin contact

Get medical attention immediately. In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.

##### Inhalation

Move exposed person to fresh air. Get medical attention immediately.

##### Ingestion

Call medical doctor or poison control center immediately. Wash out mouth with water.

#### Notes to physician

Treat patient symptomatically.

#### General advice

Do not puncture or incinerate container. Keep away from sources of ignition. No smoking. 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. Avoid contact with eyes and skin. Keep out of reach of children.

NOTE TO PARENTS: Intentional misuse by deliberately concentrating and inhaling aerosol products may be harmful or fatal. Help stop inhalation abuse; for information visit [www.inhalant.org](http://www.inhalant.org).

### 5. Fire Fighting Measures

#### Flammable properties

Flammable aerosol by flame projection test.  
Aerosol flame extension less than 18 inches (45 cm).  
Containers may explode when heated.

NFPA AEROSOL LEVEL: Flammability Rating 1, per NFPA 30B

#### Extinguishing media

##### Suitable extinguishing media

Water spray. Dry chemical. Carbon dioxide.

##### Unsuitable extinguishing media

Not available

#### Protection of firefighters

##### Specific hazards arising from the chemical

Contents under pressure. Pressurized container may explode when exposed to heat or flame. Cool containers with flooding quantities of water until well after fire is out.

##### 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.

#### Explosion data

##### Sensitivity to mechanical impact

Not available

##### Sensitivity to static discharge

Not available.

### 6. Accidental Release Measures

#### Personal precautions

Keep unnecessary personnel away.  
Do not touch or walk through spilled material.  
Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.  
Keep people away from and upwind of spill/leak.

#### 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**

Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). 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. Remove sources of ignition. Although the chance of a significant spill or leak is unlikely in aerosol containers, in the event of such an occurrence, absorb spilled material with a non-flammable absorbent such as sand or vermiculite. Use spark-proof tools and explosion-proof equipment.

## 7. Handling and Storage

**Handling**

Ensure adequate ventilation.  
 Wear appropriate personal protective equipment when handling this product.  
 Wash hands after handling and before eating.  
 Take prudent precautions to avoid contact with skin, eyes, and clothing. Do not contaminate water, food, or feedstuffs by storage, handling, or by disposal. Read and observe all precautions and instructions on the label.  
 Do not ingest.  
 Avoid breathing vapors or mists of this product.  
**CONTENTS UNDER PRESSURE. DO NOT use in presence of open flame or spark. DO NOT puncture or incinerate container or store at temperatures over 50°C.**  
**FLAMMABLE**  
 Contents under pressure.  
 Do not puncture or incinerate container.

**Storage**

Store in original container in areas inaccessible to small children.  
**STORE IN A COOL PLACE AND AWAY FROM DIRECT SUNLIGHT.**  
 Keep away from heat, open flames or other sources of ignition.  
 Do not reuse empty container.  
 Do not puncture or incinerate container.

**NOTE TO PARENTS:** Intentional misuse by deliberately concentrating and inhaling aerosol products may be harmful or fatal. Help stop inhalation abuse; for information visit [www.inhalant.org](http://www.inhalant.org).

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

## 8. Exposure Controls / Personal Protection

**Exposure limits**

Ingredient(s)	Exposure Limits
Alkyl (40% C12, 50% C14, 10% C16) dimethyl benzyl ammonium saccharinate	<b>ACGIH-TLV</b> Not established <b>OSHA-PEL</b> Not established
Butane	<b>ACGIH-TLV</b> TWA: 1000 ppm <b>OSHA-PEL</b> Not established
Ethanol	<b>ACGIH-TLV</b> TWA: 1000 ppm STEL: 1000 ppm <b>OSHA-PEL</b> TWA: 1000 ppm
Propane	<b>ACGIH-TLV</b> TWA: 1000 ppm <b>OSHA-PEL</b> TWA: 1000 ppm

**Engineering controls**

Provide adequate ventilation.

## 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.

<b>Eye / face protection</b>	Avoid contact with eyes. Tightly fitting safety goggles Emergency responders should wear full eye and face protection.
<b>Hand protection</b>	Not normally required when used as directed. Avoid contact with the skin. Emergency responders should wear impermeable gloves.
<b>Skin and body protection</b>	As required by employer code.
<b>Respiratory protection</b>	Not normally required if good ventilation is maintained. Where exposure guideline levels may be exceeded, use an approved NIOSH respirator. Respirator should be selected by and used under the direction of a trained health and safety professional following requirements found in OSHA's respirator standard (29 CFR 1910.134), CAN/CSA-Z94.4 and ANSI's standard for respiratory protection (Z88.2). Emergency responders should wear self-contained breathing apparatus (SCBA) to avoid inhalation of vapours generated by this product during a spill or other clean-up operations.
<b>General hygiene considerations</b>	Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink. Washing with soap and water after use is recommended as good hygienic practice to prevent possible eye irritation from hand contact.

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## 9. Physical and Chemical Properties

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<b>Appearance</b>	Misty spray
<b>Color</b>	Clear
<b>Form</b>	Aerosol
<b>Odor</b>	Characteristic
<b>Odor threshold</b>	Not available
<b>Physical state</b>	Gas
<b>pH</b>	10.8 - 11.8
<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>	78.08 °F (25.6 °C)
<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>Vapor pressure</b>	Not available
<b>Vapor density</b>	Not available
<b>Specific gravity</b>	Not available
<b>Octanol/water coefficient</b>	Not available
<b>Solubility (H<sub>2</sub>O)</b>	Complete
<b>VOC (Weight %)</b>	Not available
<b>Viscosity</b>	Not available
<b>Bulk density</b>	7.1 - 7.5 lbs/gal
<b>Percent volatile</b>	Not available

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## 10. Stability and Reactivity

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<b>Reactivity</b>	This product may react with strong oxidizing agents.
<b>Possibility of hazardous reactions</b>	Hazardous polymerization does not occur.
<b>Chemical stability</b>	Stable under recommended storage conditions.

<b>Conditions to avoid</b>	Heat, open flames, static discharge, sparks and other ignition sources. Aerosol containers are unstable at temperatures above 49°C (120.2°F). Do not freeze. Exposure to moisture. Do not mix with other products.
<b>Incompatible materials</b>	Oxidizers.
<b>Hazardous decomposition products</b>	May include and are not limited to: Oxides of carbon.

## 11. Toxicological Information

### Component analysis - LC50

Ingredient(s)	LC50
Alkyl (40% C12, 50% C14, 10% C16) dimethyl benzyl ammonium saccharinate	Not available
Butane	658 mg/l/4h rat
Ethanol	31623 ppm rat
Propane	Not available

### Component analysis - Oral LD50

Ingredient(s)	LD50
Alkyl (40% C12, 50% C14, 10% C16) dimethyl benzyl ammonium saccharinate	Not available
Butane	Not available
Ethanol	3450 mg/kg mouse; 7060 mg/kg rat
Propane	Not available

### Effects of acute exposure

<b>Eye</b>	Moderately irritating to the eyes.
<b>Skin</b>	Slightly irritating to the skin.
<b>Inhalation</b>	None expected during normal conditions of use. However intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.
<b>Ingestion</b>	May be harmful if swallowed.
<b>Sensitization</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>	Components of this product have been identified as having potential environmental concerns.	
<b>Ecotoxicity - Freshwater Fish - Acute Toxicity Data</b>		
Ethanol	64-17-5	96 Hr LC50 Oncorhynchus mykiss: 12.0 - 16.0 mL/L [static]; 96 Hr LC50 Pimephales promelas: >100 mg/L [static]; 96 Hr LC50 Pimephales promelas: 13400 - 15100 mg/L [flow-through]
<b>Ecotoxicity - Water Flea - Acute Toxicity Data</b>		
Ethanol	64-17-5	48 Hr LC50 Daphnia magna: 9268 - 14221 mg/L; 24 Hr EC50 Daphnia magna: 10800 mg/L; 48 Hr EC50 Daphnia magna: 2 mg/L [Static]
<b>Persistence / 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

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### 13. Disposal Considerations

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<b>Disposal instructions</b>	Dispose in accordance with all applicable regulations. Discard in trash or offer for recycling if available.
<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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#### U.S. Department of Transportation (DOT)

UN1950, Aerosols, flammable, Class 2.1, Limited Quantity

#### Transportation of Dangerous Goods (TDG - Canada)

UN1950, Aerosols, flammable, Class 2.1, Limited Quantity

#### IMDG (Marine Transport)

UN1950, Aerosols, flammable, Class 2.1, Limited Quantity

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## 15. Regulatory Information

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**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 EPA, EPA Reg. No. 777-99

**U.S. - CAA (Clean Air Act) - Accidental Release Prevention - Flammable Substances**

Butane	106-97-8	10000 lb threshold quantity
Propane	74-98-6	10000 lb threshold quantity

**U.S. - CAA (Clean Air Act) - Reactivity Factors for VOCs in Aerosol Coatings**

Butane	106-97-8	1.33 G Ozone/g VOC Reactivity Factor
Ethanol	64-17-5	1.69 G Ozone/g VOC Reactivity Factor
Propane	74-98-6	0.56 G Ozone/g VOC Reactivity Factor

**U.S. - CAA (Clean Air Act) - SNAP Program Listing of Substitutes for ODSs**

Butane	106-97-8	Acceptable substitute for: 6
Propane	74-98-6	Acceptable substitute for: 6, 7

**U.S. - CAA (Clean Air Act) - Volatile Organic Compounds (VOCs) in SOCM**

Ethanol	64-17-5	Present
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**CERCLA (Superfund) reportable quantity**

Ammonium hydroxide: 1000.0000

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

<b>Hazard categories</b>	Immediate Hazard - Yes
	Delayed Hazard - Yes
	Fire Hazard - Yes
	Pressure Hazard - Yes
	Reactivity Hazard - No

<b>Section 302 extremely hazardous substance</b>	No
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<b>Section 311 hazardous chemical</b>	Yes
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<b>Clean Water Act (CWA)</b>	Not available
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**State regulations**

This product is not subject to warning labeling under the California Proposition 65 regulation.

**U.S. - California - 8 CCR Section 339 - Director's List of Hazardous Substances**

Butane	106-97-8	Present
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**U.S. - Massachusetts - Right To Know List**

Butane	106-97-8	Present
Ethanol	64-17-5	Teratogen
Propane	74-98-6	Present

**U.S. - Minnesota - Hazardous Substance List**

Butane	106-97-8	Present
Ethanol	64-17-5	Present
Propane	74-98-6	Simple asphyxiant

**U.S. - New Jersey - Right to Know Hazardous Substance List**

Butane	106-97-8	sn 0273
Ethanol	64-17-5	sn 0844
Propane	74-98-6	sn 1594

**U.S. - Pennsylvania - RTK (Right to Know) List**

Butane	106-97-8	Present
Ethanol	64-17-5	Present
Propane	74-98-6	Present

**U.S. - Rhode Island - Hazardous Substance List**

Butane	106-97-8	Toxic; Flammable
Ethanol	64-17-5	Toxic; Flammable
Propane	74-98-6	Toxic; Flammable

**Inventory status**

<b>Country(s) or region</b>	<b>Inventory name</b>	<b>On inventory (yes/no)*</b>
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® Brand III (Kills 99.9% of Viruses & Bacteria) Disinfectant Spray - Citrus Meadows, 12.5 oz/19 oz - 0175926v1.0

LYSOL® Brand III (Kills 99.9% of Viruses & Bacteria) Disinfectant Spray - Crisp Linen, 12.5 oz/19 oz - 0175917v1.0

LYSOL® Brand III (Kills 99.9% of Viruses & Bacteria) Disinfectant Spray - Early Morning Breeze, 12.5 oz/19 oz - 0175929v1.0

LYSOL® Brand III (Kills 99.9% of Viruses & Bacteria) Disinfectant Spray - for Baby's Room, 12.5 oz/19 oz - 0175932v1.0

LYSOL® Brand III (Kills 99.9% of Viruses & Bacteria) Disinfectant Spray - Jasmine & Rain, 12.5 oz/19 oz - 0175920v1.0

LYSOL® Brand III (Kills 99.9% of Viruses & Bacteria) Disinfectant Spray - Lemon Breeze, 12.5 oz/19 oz - 0175927v1.0

LYSOL® Brand III (Kills 99.9% of Viruses & Bacteria) Disinfectant Spray - Spring Waterfall, 12.5 oz/ 19 oz - 0175918v1.0

LYSOL® Brand III (Kills 99.9% of Viruses & Bacteria) Disinfectant Spray - Summer Breeze, 12.5 oz/ 19 oz - 0175935v1.0

LYSOL® Brand III (Kills 99.9% of Viruses & Bacteria) Disinfectant Spray - Vanilla Blossoms, 12.5 oz/19 oz - 0175943v2.0

LYSOL® Brand III (Kills 99.9% of Viruses & Bacteria) Disinfectant Spray - "To Go" Crisp Linen, 1 oz - 0242193v1.0

**Issue date**

12-Nov-2012

**Effective date**

01-Nov-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.