

## 1. Product and Company Identification

**Product Name** Lysol Brand II (Kills 99.9% of Viruses & Bacteria) Bathroom Cleaner Complete Clean (Aerosol), All Scents

**UPC CODES** Refer to section 16

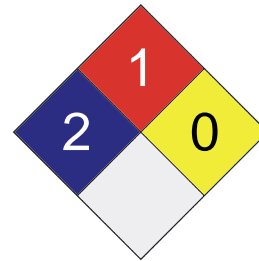
**CAS #** Mixture

**Product use** Bathroom cleaner

**Distributed by** Reckitt Benckiser  
 Morris Corporate Center IV  
 399 Interpace Parkway  
 P.O. Box 225  
 Parsippany, NJ 07054-0225  
 In Case of Emergency: 1-800-228-4722  
 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

Health	/ 2
Flammability	1
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. Avoid contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco.

PHYSICAL AND CHEMICAL HAZARDS: Contents under pressure. Do not use or store near heat or open flame. Do not puncture or incinerate container. Exposure to temperatures above 120°F or in sun or discarding can in fire or incinerator may cause bursting.

KEEP OUT OF REACH OF CHILDREN.

### Potential short term health effects

#### Routes of exposure

Eye, Skin contact, Inhalation, Ingestion.

#### Eyes

Avoid eye contact. Moderately irritating to the eyes.

#### Skin

Avoid skin contact.  
 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

Skin. Eyes. Respiratory system.

#### Chronic effects

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

#### 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.

### 3. Composition / Information on Ingredients

Ingredient(s)	CAS #	Percent
Ethanol, 2-(2-butoxyethoxy)-	112-34-5	2.5 - 10
Isobutane	75-28-5	2.5 - 10
Tetrasodium ethylenediamine tetraacetate	64-02-8	2.5 - 10
Didecyl Dimethyl Ammonium Chloride	Not Applicable	0 - 0.1
Diocetyl Dimethyl Ammonium Chloride	Not Applicable	0 - 0.1
Octyl Decyl Dimethyl Ammonium Chloride	Not Applicable	0 - 0.1

### 4. First Aid Measures

#### First aid procedures

**Eye contact** 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** If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control centre or doctor for treatment advice.

**Inhalation** Move to fresh air.

**Ingestion** Rinse mouth with water. Contact a physician or poison control center if symptoms persist.

**Notes to physician** Symptoms may be delayed. Treat patient symptomatically.

**General advice** Do not puncture or incinerate container. 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.

### 5. Fire Fighting Measures

**Flammable properties** Aerosol flame extension less than 18 inches (45 cm).

#### Extinguishing media

**Suitable extinguishing media** Water spray. Foam. 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. Oxides of nitrogen.

#### 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.

**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. Wipe up with absorbent material (e.g. cloth, fleece).

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## 7. Handling and Storage

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### Handling

Use good industrial hygiene practices in handling this material.  
When using do not eat or drink.

### Storage

Always replace cap after use.  
Do not contaminate water, food or feed by use or storage.  
Store in original container in areas inaccessible to small children.  
Do not use or store near heat or open flame.  
Do not reuse container.  
Exposure to temperatures above 120°F or in sun or discarding can in fire or incinerator may cause bursting.

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

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## 8. Exposure Controls / Personal Protection

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### Exposure limits

#### Ingredient(s)

#### Exposure Limits

Didecyl Dimethyl Ammonium Chloride

**ACGIH-TLV**  
Not established  
**OSHA-PEL**  
Not established

Diocetyl Dimethyl Ammonium Chloride

**ACGIH-TLV**  
Not established  
**OSHA-PEL**  
Not established

Ethanol, 2-(2-butoxyethoxy)-

**ACGIH-TLV**  
Not established  
**OSHA-PEL**  
Not established

Isobutane

**ACGIH-TLV**  
TWA: 1000 ppm  
**OSHA-PEL**  
Not established

Octyl Decyl Dimethyl Ammonium Chloride

**ACGIH-TLV**  
Not established  
**OSHA-PEL**  
Not established

Tetrasodium ethylenediamine tetraacetate

**ACGIH-TLV**  
Not established  
**OSHA-PEL**  
TWA: 15 mg/m<sup>3</sup>

### Engineering controls

General ventilation normally adequate.

### Personal protective equipment

#### Eye / face protection

Safety goggles or glasses.  
Emergency responders should wear full eye and face protection.

#### Hand protection

Wear impervious gloves where the potential for contact with the liquid is possible.  
Emergency responders should wear impermeable gloves.

#### Skin and body protection

As required by employer code.

#### Respiratory protection

Where exposure guideline levels may be exceeded, use an approved NIOSH respirator.  
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.

**General hygiene considerations** 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>	Foamy Spray
<b>Color</b>	White.
<b>Form</b>	Spray
<b>Odor</b>	Various
<b>Odor threshold</b>	Not available
<b>Physical state</b>	Liquid
<b>pH</b>	12.5 - 13.5
<b>Freezing point</b>	Not available
<b>Pour point</b>	Not available
<b>Boiling point</b>	Not available
<b>Flash point</b>	> 200 °F (> 93.33 °C) Tag Closed Cup
<b>Evaporation rate</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>	1.025 - 1.035 @ 25°C
<b>Octanol/water coefficient</b>	Not available
<b>Solubility (H2O)</b>	Complete
<b>Auto-ignition temperature</b>	Not available
<b>VOC (Weight %)</b>	Not available
<b>Viscosity</b>	Not available
<b>Percent volatile</b>	Not available

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## 10. Stability and Reactivity

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<b>Chemical stability</b>	Stable under recommended storage conditions.
<b>Conditions to avoid</b>	Aerosol containers are unstable at temperatures above 49°C (120.2°F). DO NOT MIX WITH BLEACH or use in conjunction with other household products. Excessive heat.
<b>Incompatible materials</b>	Oxidizers. Acids.
<b>Hazardous decomposition products</b>	May include and are not limited to: Oxides of carbon. Oxides of nitrogen.
<b>Possibility of hazardous reactions</b>	Hazardous polymerization does not occur.

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## 11. Toxicological Information

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### Component analysis - LC50

<b>Ingredient(s)</b>	<b>LC50</b>
Didecyl Dimethyl Ammonium Chloride	Not available
Diocetyl Dimethyl Ammonium Chloride	Not available
Ethanol, 2-(2-butoxyethoxy)-	Not available
Isobutane	658 mg/l/4h rat
Octyl Decyl Dimethyl Ammonium Chloride	Not available
Tetrasodium ethylenediamine tetraacetate	Not available

## Component analysis - Oral LD50

Ingredient(s)	LD50
Didecyl Dimethyl Ammonium Chloride	Not available
Dioctyl Dimethyl Ammonium Chloride	Not available
Ethanol, 2-(2-butoxyethoxy)-	2000 mg/kg guinea pig; 3384 mg/kg rat; 2200 mg/kg rabbit
Isobutane	Not available
Octyl Decyl Dimethyl Ammonium Chloride	Not available
Tetrasodium ethylenediamine tetraacetate	2000 mg/kg rat

### Effects of acute exposure

<b>Eye</b>	Avoid eye contact. Moderately irritating to the eyes.
<b>Skin</b>	Avoid skin contact. 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>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>Synergistic Materials</b>	Not available

## 12. Ecological Information

<b>Ecotoxicity</b>	Bulk quantities, if spilled, may be toxic to aquatic organisms, fish, birds and mammals. Control and clean up all exterior spills and prevent liquid from entering any streams, rivers, lakes and all other bodies of water.
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### Ecotoxicity - Freshwater Algae Data

Ethanol, 2-(2-butoxyethoxy)-	112-34-5	96 Hr EC50 <i>Desmodesmus subspicatus</i> : >100 mg/L
Tetrasodium ethylenediamine tetraacetate	64-02-8	72 Hr EC50 <i>Desmodesmus subspicatus</i> : 1.01 mg/L

### Ecotoxicity - Freshwater Fish Species Data

Ethanol, 2-(2-butoxyethoxy)-	112-34-5	96 Hr LC50 <i>Lepomis macrochirus</i> : 1300 mg/L [static]
Tetrasodium ethylenediamine tetraacetate	64-02-8	96 Hr LC50 <i>Lepomis macrochirus</i> : 41 mg/L [static]; 96 Hr LC50 <i>Pimephales promelas</i> : 59.8 mg/L [static]

### Ecotoxicity - Water Flea Data

Ethanol, 2-(2-butoxyethoxy)-	112-34-5	24 Hr EC50 <i>Daphnia magna</i> : 2850 mg/L; 48 Hr EC50 <i>Daphnia magna</i> : >100 mg/L
Tetrasodium ethylenediamine tetraacetate	64-02-8	24 Hr EC50 <i>Daphnia magna</i> : 610 mg/L

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

## 13. Disposal Considerations

<b>Waste codes</b>	Not available
<b>Disposal instructions</b>	Review federal, state/provincial, and local government requirements prior to disposal. Discard with solid waste. Do not reuse empty container. Replace cap and discard in trash. Do not incinerate or puncture.
<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)

UN 1950, Aerosols, Class 2.1, Re-classed as  
Consumer Commodity ORM-D

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

UN 1950, Aerosols, Class 2.1, Re-classed as  
Consumer Commodity/ LTD. QTY.

### IMDG (Marine Transport)

UN 1950, Aerosols, Class 2.1, Limited Quantity

### IATA/ICAO (Air)

UN1950, Aerosols, Flammable, Limited Quantity

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## 15. Regulatory Information

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**US Federal regulations** This product is 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 EPA, EPA Reg. No. 777-71

### Occupational Safety and Health Administration (OSHA)

**29 CFR 1910.1200 hazardous chemical** Yes

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

**Hazard categories** Immediate Hazard - Yes  
Delayed Hazard - No  
Fire Hazard - Yes  
Pressure Hazard - Yes  
Reactivity Hazard - No

**Section 302 extremely hazardous substance** No

**Section 311 hazardous chemical** Yes

**Clean Air Act (CAA)** Not available

**Clean Water Act (CWA)** Not available

**State regulations** This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

#### U.S. - Massachusetts - Right To Know List

Isobutane 75-28-5 Present

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

Isobutane 75-28-5 sn 1040

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

Isobutane 75-28-5 Present

### 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)

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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** 19200-02569-0 - LYSOL® Brand (Kills 99.9% of Viruses & Bacteria) Bathroom Cleaner Complete Clean (Aerosol), All Scents - 24 oz. - Aerosol Island Breeze® - 0074422

19200-77981-4 - LYSOL® Brand (Kills 99.9% of Viruses & Bacteria) Bathroom Cleaner Complete Clean (Aerosol), All Scents - 24 oz. - Aerosol Sunshine Fresh™ - 0074424

**Issue date** 08-Jul-2010

**Effective date** 01-Jun-2010

**Prepared by** Reckitt Benckiser Regulatory Department 800-333-3899