

1. Product and Company Identification

**Product Name** LYSOL® Brand (Kills 99% of Bacteria) Neutra Air® Sanitizing Spray (Aerosol), All Scents

**UPC CODES** Refer to Section 16

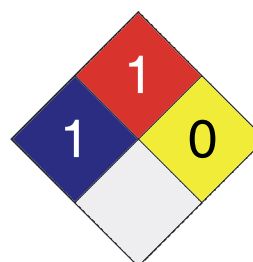
**CAS #** Mixture

**Product use** Fragrance

**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	/ 1
Flammability	3
Physical Hazard	0
Personal Protection	A



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

DO NOT spray directly in eyes.

PHYSICAL HAZARDS: CONTENTS UNDER PRESSURE.

Do not use or store near heat or open flame. Do not puncture or incinerate container. Exposure to temperatures above 130°F may cause bursting.

KEEP OUT OF REACH OF CHILDREN AND PETS.

**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**

Do not breathe spray. Use only in a well ventilated area.

**Ingestion**

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).

Contains denatured ethyl alcohol. May be harmful if swallowed.

**Target organs**

Eyes. Skin. 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
Propane	74-98-6	2.5 - 10
Triethylene glycol	112-27-6	2.5 - 10
Butane	106-97-8	10 - 20
Ethanol	64-17-5	10 - 20

---

### 4. First Aid Measures

---

#### First aid procedures

<b>Eye contact</b>	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.
<b>Skin contact</b>	Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes.
<b>Inhalation</b>	Move to fresh air.
<b>Ingestion</b>	Rinse mouth with water. If symptoms persist, call a physician or Poison Control Centre immediately. Do not induce vomiting. Never give anything by mouth to an unconscious person.

#### Notes to physician

Contains denatured ethanol; ingestion may result in ethanol poisoning. 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

---

<b>Flammable properties</b>	Flammable Aerosol.
<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>	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.
<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.
<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>	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.
<b>Methods for containment</b>	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**

Small spillages of up to 1 litre (0.26 gallon) may be cleaned up with a mop or an absorbant cloth. Medium spills of up to 5 litres (1.32 gallons) should be absorbed with sand, earth, sawdust or other inert material and transferred to a suitable container for disposal.

## 7. Handling and Storage

**Handling**

Use this product with adequate ventilation.  
When using do not eat or drink.

Do not puncture or incinerate container.  
Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C (120°F). Do not pierce or burn after use. Keep away from all sources of ignition. Fires involving aerosols with flammable contents are severe and can spread quickly. Warehouses or stores containing aerosols should therefore be separated from other areas by a fire resistant construction. Stores should be well ventilated. The natural ventilation in a large open warehouse building will normally be suitable.  
Does not harm most bathroom surfaces.  
Do not use on polished wood, painted surfaces, leather, rayon fabrics, or acrylic plastics.

**Storage**

Keep out of reach of children. Do not store at temperatures above 49 °C (120.2°F). Keep away from heat, open flames or other sources of ignition.

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).

## 8. Exposure Controls / Personal Protection

**Exposure limits****Ingredient(s)****Exposure Limits**

Butane

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

Ethanol

**ACGIH-TLV**  
TWA: 1000 ppm  
STEL: 1000 ppm  
**OSHA-PEL**  
TWA: 1000 ppm

Propane

**ACGIH-TLV**  
TWA: 1000 ppm  
**OSHA-PEL**  
TWA: 1000 ppm

Triethylene glycol

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

**Engineering controls**

General ventilation normally adequate.

**Personal protective equipment****Eye / face protection**

If splashes are likely to occur, wear: Safety glasses  
Emergency responders should wear full eye and face protection.

**Hand protection**

No special requirements under normal use conditions.  
Protective gloves are recommended for prolonged or repeated exposure.  
Emergency responders should wear impermeable gloves.

**Skin and body protection**

Usual safety precautions while handling the product will provide adequate protection against injury or irritation.  
Emergency responders should wear impermeable clothing and footwear when responding to a situation where contact with the liquid is possible.

**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. Avoid contact with skin, eyes and clothing.

---

## 9. Physical and Chemical Properties

---

<b>Appearance</b>	Aerosol.
<b>Color</b>	Clear
<b>Form</b>	Misty spray
<b>Odor</b>	Characteristic
<b>Odor threshold</b>	Not available
<b>Physical state</b>	Gas
<b>pH</b>	9.5 - 10.5
<b>Freezing point</b>	Not available
<b>Pour point</b>	Not available
<b>Boiling point</b>	Not available
<b>Flash point</b>	> 82.76 °F (> 28.2 °C) (Concentrate)
<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>	0.9685
<b>Octanol/water coefficient</b>	Not available
<b>Solubility (H2O)</b>	Complete
<b>Auto-ignition temperature</b>	Not available

---

## 10. Stability and Reactivity

---

<b>Chemical stability</b>	Stable under recommended storage conditions.
<b>Conditions to avoid</b>	Do not mix with other chemicals. Protect from sunlight and do not expose to temperatures exceeding 50°C (120°F). Extremes of temperatures can occur in cars and near ovens and fireplaces. Do not place in contact with hot surfaces or near naked flames. Do not pierce or burn after use. Do not spray on a naked flame, onto or near a fire, or any incandescent material such as an electric fire.
<b>Incompatible materials</b>	Caustics. Acids. Oxidizers.
<b>Hazardous decomposition products</b>	May include and are not limited to: Oxides of carbon.
<b>Possibility of hazardous reactions</b>	Hazardous polymerization does not occur.

---

## 11. Toxicological Information

---

**Component analysis - LC50**

<b>Ingredient(s)</b>	<b>LC50</b>
Butane	Not available
Ethanol	31623 ppm rat
Propane	Not available
Triethylene glycol	Not available

## Component analysis - Oral LD50

Ingredient(s)	LD50
Butane	Not available
Ethanol	3450 mg/kg mouse; 7060 mg/kg rat
Propane	Not available
Triethylene glycol	7900 mg/kg guinea pig; 12800 mg/kg rat; 8400 mg/kg rabbit; 21000 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>	Do not breathe spray. Use only in a well ventilated area.

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).

<b>Ingestion</b>	Contains denatured ethyl alcohol. May be harmful if swallowed.
<b>Sensitization</b>	May cause allergic reactions in some individuals.
<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.

#### ACGIH - Threshold Limit Values - Carcinogens

Ethanol 64-17-5 A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans

#### IARC - Group 1 (Carcinogenic to Humans)

Ethanol 64-17-5 Monograph 96 [in preparation] (in alcoholic beverages)

<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.
--------------------	--

#### Ecotoxicity - Freshwater Fish Species Data

Ethanol	64-17-5	96 Hr LC50 <i>Oncorhynchus mykiss</i> : 12.0-16.0 mg/L [static]; 96 Hr LC50 <i>Pimephales promelas</i> : >100 mg/L [static]; 96 Hr LC50 <i>Pimephales promelas</i> : 13400-15100 mg/L [flow-through]
Triethylene glycol	112-27-6	96 Hr LC50 <i>Pimephales promelas</i> : 56200-63700 mg/L [flow-through]; 96 Hr LC50 <i>Lepomis macrochirus</i> : 10000 mg/L [static]; 96 Hr LC50 <i>Lepomis macrochirus</i> : 61000 mg/L [flow-through]

#### Ecotoxicity - Water Flea Data

Ethanol	64-17-5	48 Hr LC50 <i>Daphnia magna</i> : 9268 - 14221 mg/L; 24 Hr EC50 <i>Daphnia magna</i> : 10800 mg/L; 48 Hr EC50 <i>Daphnia magna</i> : 2 mg/L [Static]
Triethylene glycol	112-27-6	48 Hr EC50 <i>Daphnia magna</i> : 42426 mg/L

<b>Environmental effects</b>	Not available
<b>Aquatic toxicity</b>	May be harmful to aquatic organisms if bulk quantities are spilled into a water source.
<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>	Dispose in accordance with all applicable regulations. Container disposal: Empty containers may be included with domestic refuse for disposal to a landfill. This container may also be recycled in communities where aerosol container recycling is available. Before offering for recycling, empty the can or use the product according to the label instructions.
<b>Waste from residues / unused products</b>	Not available
<b>Contaminated packaging</b>	Packaging and container to be recycled only if emptied completely.

---

## 14. Transport Information

---

### U.S. Department of Transportation (DOT)

UN1950, Aerosols, Class 2.1, Re-Classed as  
Consumer Commodity ORM-D

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

UN1950, Aerosols, Flammable, Class 2.1, Re-Classed  
as Consumer Commodity

### IMDG (Marine Transport)

UN1950 - Aerosols, Class 2.1, Limited Quantity

UN1950 - Aerosols, Flammable, Limited Quantity or  
Consumer Commodity, ID8000 if acceptable to airline

---

## 15. Regulatory Information

---

**US Federal regulations** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.  
CERCLA/SARA Hazardous Substances - Not applicable.

EPA Registration No. - 777-101

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

Butane	106-97-8	Present
--------	----------	---------

**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
Triethylene glycol	112-27-6	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
Triethylene glycol	112-27-6	Flammable

**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**

19200-76940-2 - LYSOL® Brand (Kills 99.9% of Bacteria) Neutral Air® Sanitizing Spray (Aerosol), All Scents - 10 oz. - Citrus - 0161387

19200-76938-9 - LYSOL® Brand (Kills 99.9% of Bacteria) Neutral Air® Sanitizing Spray (Aerosol), All Scents - 10 oz. - Fresh - 0161386

19200-78862-5 - LYSOL® Brand (Kills 99.9% of Bacteria) Neutral Air® Sanitizing Spray (Aerosol), All Scents - 16 oz. - Fresh - 0161386

19200-79196-0 - LYSOL® Brand (Kills 99.9% of Bacteria) Neutral Air® Sanitizing Spray (Aerosol), All Scents - 10 oz. - Morning Linen - 0176212

**Issue date**

08-Jul-2010

**Effective date**

15-May-2010

**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.