

1. Product and Company Identification

Product name LYSOL® Brand (Kills 99.9% of Bacteria) Neutra Air Sanitizing Spray – All Scents
CAS # Mixture

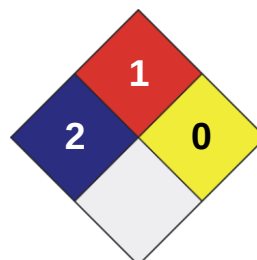
This MSDS is designed for workplace employees, emergency personnel and for other conditions and situations where there is a greater potential for large-scale or prolonged exposure, in accordance with requirements of the U.S. Government's Occupational Safety and Health Administration (OSHA).
 This MSDS 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 Fragrance

Distribuido por 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	
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

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 Moderate eye irritation.

Skin Moderate skin irritation

Inhalation Avoid breathing vapors. May cause irritation of respiratory tract.

Ingestion 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.

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

Potential environmental effects See section 12.

3. Composition/Information on Ingredients

Components	CAS #	Percent
Butane	106-97-8	10 - 20
Ethanol	64-17-5	10 - 20
Propane	74-98-6	2.5 - 10
Triethylene glycol	112-27-6	2.5 - 10
Alkyl (50% C14, 40% C12, 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

Wash off immediately with plenty of water for at least 15 minutes. Remove and wash contaminated clothing before re-use. Get medical attention immediately if symptoms occur.

Inhalation

Move to fresh air.

Ingestion

If swallowed, rinse mouth with water (only if the person is conscious). Do not induce vomiting. Call a physician or poison control center immediately.

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.

5. Fire Fighting Measures

Flammable properties

Flammable Aerosol.

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

Extinguishing media

Suitable extinguishing media

Treat for surrounding material.

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 and precautions 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

Ensure adequate ventilation. 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	Stop leak if you can do so without risk. Prevent entry into waterways, sewers, basements or confined areas. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area).
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.

7. Handling and Storage

Handling	Ensure adequate ventilation. Read and follow product label instructions. Do not use on polished wood, painted surfaces, leather, rayon fabrics, or acrylic plastics. Does not harm most bathroom surfaces. For other surfaces, spot test in an inconspicuous area. Do not use on utensils, glasses and dishes. Spray may leave hard floors slippery. Do not concentrate spray over hard floors. Do not puncture or incinerate container. Avoid contact with eyes, skin or clothing. Avoid prolonged breathing of vapors. When using do not eat or drink. Remove and wash contaminated clothing before reuse. Wash thoroughly with soap and water after handling.
Storage	Store in original container in areas inaccessible to small children. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, open flames or other sources of ignition. 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. It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

8. Exposure Controls/Personal Protection

Occupational exposure limits

US. ACGIH Threshold Limit Values

Components	Type	Value
Butane (CAS 106-97-8)	STEL	1000 ppm
Ethanol (CAS 64-17-5)	STEL	1000 ppm

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value
Ethanol (CAS 64-17-5)	PEL	1900 mg/m3 1000 ppm
Propane (CAS 74-98-6)	PEL	1800 mg/m3 1000 ppm

Exposure limits Chemicals listed in section 3 that are not listed here do not have established limit values for ACGIH or OSHA PEL.

Engineering controls Ensure 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.

Eye / face protection Wear eye/face protection. Safety glasses with side-shields. Emergency responders should wear full eye and face protection.

Hand protection 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	Not normally required if good ventilation is maintained and exposure guidelines are not exceeded. 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. Avoid contact with skin, eyes and clothing. Wash thoroughly with soap and water after handling. When using do not eat or drink.

9. Physical and Chemical Properties

Appearance	Clear
Color	Light yellow
Form	Aerosol.
Odor	Various
Odor threshold	Not available.
Physical state	Gas.
pH	Not available.
Freezing point	Not available.
Boiling point	Not available.
Pour point	Not available.
Evaporation rate	Not available
Flash point	> 199.94 °F (> 93.30 °C)
Auto-ignition temperature	Not available.
Flammability limits in air, upper, % by volume	Not available.
Flammability limits in air, lower, % by volume	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Specific gravity	1.0-1.2 @ 25°C
Partition coefficient (n-octanol/water)	Not available.
Solubility (water)	Complete
Relative density	Not available.
Viscosity	Not available.
VOC	Not available
Percent volatile	Not available

10. Stability and Reactivity

Reactivity	This product may react with strong acids. May react with strong bases or oxidizing agents.
Possibility of hazardous reactions	Hazardous polymerization does not occur.
Chemical stability	Stable under recommended storage conditions.
Conditions to avoid	Exposure to moisture. 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.
Incompatible materials	Caustics. Acids. Oxidizers.

11. Toxicological Information

Toxicological data**Components Species Test Results**

Alkyl (50% C14, 40% C12, 10% C16) dimethyl benzyl ammonium saccharinate (CAS Not Applicable)

LC50

Not available.

LD50

Not available.

Butane (CAS 106-97-8)

Acute*Inhalation***LC50**

Mouse

680 mg/l, 2 Hours

Rat

658 mg/l/4h

LD50

Not available.

Ethanol (CAS 64-17-5)

Acute*Inhalation***LC50**

Mouse

39 mg/l, 4 Hours

Rat

31623 ppm, 4 Hours

*Oral***LD50**

Dog

5500 mg/kg

Guinea pig

5600 mg/kg

Mouse

3450 mg/kg

Rat

7060 mg/kg

6200 mg/kg

Propane (CAS 74-98-6)

Acute*Inhalation***LC50**

Rat

> 1442.8 mg/l, 15 Minutes

LD50

Not available.

Triethylene glycol (CAS 112-27-6)

Acute*Dermal***LD50**

Rabbit

22460 mg/kg

*Inhalation***LC50**

Rat

> 3.9 mg/l, 4 Hours

*Oral***LD50**

Guinea pig

7900 mg/kg

Mouse

21000 mg/kg

Rabbit

8400 mg/kg

Rat

12800 mg/kg

Effects of acute exposure**Eye contact**

Moderate eye irritation.

Skin contact

Moderate skin irritation

Inhalation	Avoid breathing vapors. May cause irritation of respiratory tract.
Ingestion	Harmful if swallowed.
Sensitization	May cause allergic reactions in some individuals.
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	See below		
Ecotoxicological data Components		Species	Test Results
Ethanol (CAS 64-17-5)			
Aquatic			
Crustacea	EC50	Daphnia	11744.5 mg/L, 48 Hours
		Water flea (Daphnia magna)	7.7 - 11.2 mg/l, 48 hours
Fish	LC50	Fathead minnow (Pimephales promelas)	> 100 mg/l, 96 hours
Triethylene glycol (CAS 112-27-6)			
Aquatic			
Crustacea	EC50	Daphnia	42426 mg/L, 48 Hours
		Water flea (Daphnia magna)	48.9 - 56 mg/l, 48 hours
Fish	LC50	Bluegill (Lepomis macrochirus)	> 10000 mg/l, 96 hours
Persistence and degradability	Not available.		
Bioaccumulation / Accumulation	Not available		
Mobility in environmental media	Not available.		
Environmental effects	Not available.		
Aquatic toxicity	Not available.		
Partition coefficient			
Butane		2.89	
Ethanol		-0.31	
Propane		2.36	
Chemical fate information	Not available.		

13. Disposal Considerations

Disposal instructions	Non-refillable container. Do not reuse or refill this container. Wrap container and put in trash or offer recycling if available. Dispose in accordance with all applicable regulations.
Waste from residues / unused products	Not available

Contaminated packaging Not available

14. Transport Information

U.S. Department of Transportation (DOT)

UN1950, Aerosols, Class 2.1, Re-Classed as Limited Quantity

Transportation of Dangerous Goods (TDG - Canada)

UN1950, AEROSOLS, Class 2.1, Re-Classed as Limited Quantity

IATA/ICAO (Air)

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

IMDG (Marine Transport)

UN1950, AEROSOLS, Class 2.1, Limited Quantity

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.

EPA Registration No. - 777-101

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Butane (CAS 106-97-8)	Listed.
Ethanol (CAS 64-17-5)	Listed.
Propane (CAS 74-98-6)	Listed.

US CAA Section 111 Volatile Organic Compounds: Listed substance

Ethanol (CAS 64-17-5)	Listed.
Triethylene glycol (CAS 112-27-6)	Listed.

US CAA Section 112(r) Accidental Release Prevention - Regulated Flammable Substance: Listed substance

Butane (CAS 106-97-8)	Regulated flammable substance.
Propane (CAS 74-98-6)	Regulated flammable substance.

US CAA Section 112(r) Accidental Release Prevention: Threshold quantity

Butane (CAS 106-97-8)	10000 lbs
Propane (CAS 74-98-6)	10000 lbs

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Butane (CAS 106-97-8)	Listed.
Propane (CAS 74-98-6)	Listed.

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

US CAA Section 612 SNAP Program: Listed substance

Butane (CAS 106-97-8)	Listed.
Propane (CAS 74-98-6)	Listed.

CERCLA (Superfund) reportable quantity

None

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

State regulations

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

US - California Hazardous Substances (Director's): Listed substance

Butane (CAS 106-97-8)	Listed.
Ethanol (CAS 64-17-5)	Listed.

US - Illinois Chemical Safety Act: Listed substance

Butane (CAS 106-97-8)	Listed.
Ethanol (CAS 64-17-5)	Listed.
Propane (CAS 74-98-6)	Listed.

US - Louisiana Spill Reporting: Listed substance

Butane (CAS 106-97-8)	Listed.
Ethanol (CAS 64-17-5)	Listed.
Propane (CAS 74-98-6)	Listed.

US - Minnesota Haz Subs: Listed substance

Butane (CAS 106-97-8)	Listed.
Ethanol (CAS 64-17-5)	Listed.
Propane (CAS 74-98-6)	Listed.
Triethylene glycol (CAS 112-27-6)	Listed.

US - New Jersey RTK - Substances: Listed substance

Butane (CAS 106-97-8)	Listed.
Ethanol (CAS 64-17-5)	Listed.
Propane (CAS 74-98-6)	Listed.

US - Texas Effects Screening Levels: Listed substance

Butane (CAS 106-97-8)	Listed.
Ethanol (CAS 64-17-5)	Listed.
Propane (CAS 74-98-6)	Listed.
Triethylene glycol (CAS 112-27-6)	Listed.

US. Massachusetts RTK - Substance List

Butane (CAS 106-97-8)	Listed.
Ethanol (CAS 64-17-5)	Listed.
Propane (CAS 74-98-6)	Listed.

US. Pennsylvania RTK - Hazardous Substances

Butane (CAS 106-97-8)	Listed.
Ethanol (CAS 64-17-5)	Listed.
Propane (CAS 74-98-6)	Listed.
Triethylene glycol (CAS 112-27-6)	Listed.

US. Rhode Island RTK

Butane (CAS 106-97-8)	Listed.
Propane (CAS 74-98-6)	Listed.

Country(s) or region	Inventory name	On inventory (yes/no)*
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	No
*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 (Kills 99.9% of Bacteria) Neutra Air Sanitizing Spray – Citrus Zest, 10 oz/16 oz – 8073138v1.0 LYSOL® Brand (Kills 99.9% of Bacteria) Neutra Air Sanitizing Spray – Fresh Breeze, 10 oz/16 oz – 8073139v1.0 LYSOL® Brand (Kills 99.9% of Bacteria) Neutra Air Sanitizing Spray – Morning Linen, 10 oz/16 oz – 8073141v1.0
Issue date	12-September-2013
Effective date	15-September-2013
Prepared by	Reckitt Benckiser Regulatory Department Phone: 800-333-3899

Other information

For an updated MSDS, please contact the supplier/manufacturer listed on the first page of the document.

This MSDS conforms to the ANSI Z400.1/Z129.1-2010 Standard.