

RECKITT BENCKISER

MATERIAL SAFETY DATA SHEET

According to US Regulation ANSI Z400.1-2004

Print date: 05-Jan-2009

1. PRODUCT AND COMPANY IDENTIFICATION

MSDS Number D0089019

Commercial Product Name Lysol® Brand Neutra Air® Sanitizing Spray - Fresh Scent

Validation/Revision Date: 05-Jan-2009

Product Identifier: EPA Reg. No.: 777-101

Formula Number: 1231-145 (FF0161386)

UPC Code(s) and Size: 19200-78862-05 (16 oz.)
19200-76938-09 (10 oz.)

Product Description: Disinfectant aerosol spray.

Manufacturer: Reckitt Benckiser Inc.
Morris Corporate Center IV
399 Interpace Parkway (P.O. Box 225)
Parsippany, New Jersey 07054-0225
Telephone: +1 973 404 2600

Emergency Telephone Number: 1-800-228-4722 (U.S.)

Transportation Emergencies: 1-800-424-9300 (U.S. & Canada) CHEMTREC
Outside U.S. and Canada (North America), call Chemtrec:703-527-3887

2. COMPOSITION/ INFORMATION ON INGREDIENTS

Chemical Name	Proportion (% w/w)	ACGIH - Occupational Exposure Limits - TWAs	OSHA PEL
Propellant AB-46 68476-86-8	15 - 30 %	-	-
Ethyl alcohol 64-17-5	15 - 30 %	= 1000 ppm TWA	TWA: 1000 ppm TWA: 1900 mg/m ³ TWA: 1000 ppm
Triethylene glycol 112-27-6	5 - 10 %	-	-

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3. HAZARDS IDENTIFICATION
EMERGENCY OVERVIEW:

CAUTION: Contents under pressure.

DO NOT puncture or incinerate. DO NOT expose to heat or store above 55° C (130° F), as container may burst.

Do not spray directly in eyes.

Avoid contact with food and food utensils.

Persons with asthma or other respiratory conditions should consult their physician before use.

NOTE: Spray may leave hardwood floors slippery.

KEEP OUT OF REACH OF CHILDREN
4. FIRST AID MEASURES

Inhalation	Move to fresh air
Skin Contact	Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes
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.
Ingestion	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	Ingestion may result in ethanol poisoning Treat symptomatically
Protection of First-aiders	Use personal protective equipment.
Aggravated Medical Conditions:	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 .

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5. FIRE-FIGHTING MEASURES

Flash point:	82.8 (°F) FLAMMABLE AEROSOL. Aerosol flame extension less than 18 inches (45 cm).
Flammability Limits in Air:	
Lower	No information available.
Upper	No information available.
Autoignition Temperature:	No information available.
Suitable Extinguishing Media:	As suitable for surrounding fire.
Extinguishing Media which must not be used for safety reasons:	No information available.
Specific hazards:	All aerosols are pressurised products and will eventually burst if exposed to very high temperatures, or if involved in a fire. They will then release the propellant hydrocarbon gas which is extremely flammable.
Unusual hazards:	CONTENTS UNDER PRESSURE. Do not puncture or incinerate. Do not use or store near heat or open flames. Aerosol cans may explode with extreme heat and become projectiles.
Special Protective Equipment for Fire Fighters:	As in any fire, wear self-contained breathing apparatus, pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
Precautions for Fire Fighters:	Standard procedure for chemical fires. Move aerosol containers away from fire if possible and safe to do so. Use water spray to cool fire exposed containers. Provide shielding to protect firefighters from venting, rupturing or bursting containers.
NFPA Aerosol Level:	Flammability Rating 1, per NFPA 30B.
NFPA:	Health Hazard: 1 Flammability: 1 Instability: 0
HMIS:	Health Hazard: 1 Flammability: 3 Reactivity: 0
Key:	Personal Protection Index = A. (Also see Sections 3 & 8)

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Ensure adequate ventilation.
Environmental Precautions:	Do not allow material to contaminate ground water system.
Methods for Cleaning Up	Use personal protective equipment Eliminate all ignition sources if safe to do so Cover liquid spill with sand, earth or other noncombustible absorbent material Take up mechanically and collect in suitable container for disposal. Clean contaminated surface thoroughly. Large Spills: Eliminate all sources of ignition and ventilate the area with equipment rated for use in flammable environments.

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7. HANDLING AND STORAGE

Handling: Use only in well-ventilated areas
Wear personal protective equipment

Safe Handling Advice: Read and follow product label instructions.
Avoid direct contact with eyes.
Do not breathe vapours or spray mist.

NOTE TO PARENTS: Intentional misuse by deliberately concentrating and inhaling aerosol products may be harmful or fatal. Read label instructions carefully.

Storage: Keep away from open flames, hot surfaces and sources of ignition
Conditions for Safe Storage: CONTAINERS SHOULD BE KEPT OUT OF REACH OF CHILDREN.
Pressurised container. Protect from sunlight and do not expose to temperatures exceeding 55°C. Do not pierce or burn after use. Keep away from all sources of ignition.
Fires involving flammable aerosols are severe and can spread very quickly. Warehouses and stores containing aerosols should therefore be separated from other areas by a fire resistant construction of at least one half hour duration. Stores should be well ventilated, particularly at low levels. The natural ventilation in a large open warehouse building will normally be suitable. Avoid the storage of aerosols in basements where practicable.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Name	ACGIH TLV	OSHA PEL
Propellant AB-46 68476-86-8	-	-
Ethyl alcohol 64-17-5	TWA: 1000 ppm	TWA: 1000 ppm TWA: 1900 mg/m ³ TWA: 1000 ppm
Triethylene glycol 112-27-6	-	-

Engineering Controls: For occupational exposures, ensure adequate ventilation.

Personal Protective Equipment

Respiratory Protection: No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required

Hand Protection: Repeated or prolonged contact:
Impervious gloves.

Eye Protection: If splashes are likely to occur, wear:
Safety glasses.

Skin and Body Protection: Usual safety precautions while handling the product will provide adequate protection against injury or irritation. Follow product label instructions.

Hygiene Measures: Avoid contact with eyes, skin, and clothing.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid.
Appearance:	Aerosol
Colour:	Clear to Light yellow
Odour:	Fresh.
pH	9.5 - 10.5
Flash Point:	28.2°C / 82.8°F
Autoignition Temperature:	No information available.
Specific gravity [g/mL]:	0.9685
Vapour Pressure:	Not determined.
Solubility:	Completely soluble.

Explosion limits:

- upper:	No data available.
- lower:	No data available.

10. STABILITY AND REACTIVITY

Stability:	Stable under recommended storage conditions.
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Conditions to Avoid:	Keep away from open flames, hot surfaces and sources of ignition, Pressurised container. Protect from the sunlight and do not expose to temperatures exceeding 55° C (130° F). Extremes of temperature 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 even after use. Do not spray on a naked flame, onto or near fire, or any incandescent material such as an electric fire.
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Materials to Avoid:	Do not mix with other household chemicals.
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Hazardous Decomposition Products:	Oxides of carbon and unknown organic compounds.
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Polymerization:	Hazardous polymerisation does not occur.
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11. TOXICOLOGICAL INFORMATION
PRODUCT TOXICITY DATA

LD₅₀ Oral: 31227 mg/kg (rat) estimated
LD₅₀ Dermal: 394695 mg/kg (rat) estimated
LC₅₀ Inhalation (Dust): No information available
LC₅₀ Inhalation (Vapor): 75187969 ml/m³ (vapor) estimated

Acute Effects:

Eye Irritation None expected during normal use.
 May cause eye irritation upon direct contact with eyes.

Skin Irritation None expected during normal conditions of use.

Inhalation 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.

Ingestion Contains denatured ethyl alcohol.
 May be harmful if swallowed.
 See Section 4 for First Aid instructions.

Sensitization Not expected to be a skin sensitiser.

Specific Effects

Carcinogenic Effects: Not listed as carcinogenic by OSHA, NTP or IARC.

Mutagenic Effects No information available.

Reproductive Toxicity: No information available.

Additional Toxicity Information: Information is based on available component data and toxicity result of similar products.

COMPONENT TOXICITY DATA

Chemical Name	CAS#	LD50 Oral - With Units - Rat - mg/kg	LD50 Dermal - With Units - Rat/Rabbit - mg/kg	LC50 Inhalation - With units - Rat/Rabbit
Ethyl alcohol	64-17-5	7060 mg/kg (Rat)		
Triethylene glycol	112-27-6	15000 mg/kg (Rat)	22460 mg/kg (Rabbit)	

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12. ECOLOGICAL INFORMATION
PRODUCT TOXICITY DATA

Aquatic toxicity: No information available

COMPONENT TOXICITY DATA
Propellant AB-46

68476-86-8 (15 - 30 %)

Freshwater Algae -

Freshwater Fish -

Microtox -

Water Flea -

Ethyl alcohol

64-17-5 (15 - 30 %)

Freshwater Algae -

Freshwater Fish LC50 = 12900 mg/L *Oncorhynchus mykiss* 96 h

 LC50 = 14.2 mg/L *Pimephales promelas* 96 h

Microtox EC50 = 34634 mg/L 30 min

EC50 = 35470 mg/L 5 min

Water Flea EC50 = 10800 mg/L 24 h

EC50 = 9268 mg/L 48 h

Triethylene glycol

112-27-6 (5 - 10 %)

Freshwater Algae -

Freshwater Fish LC50 = 10000 mg/L *Lepomis macrochirus* 96 h

 LC50 = 59900 mg/L *Pimephales promelas* 96 h

 LC50 = 61000 mg/L *Lepomis macrochirus* 96 h

Microtox EC50 = 850 mg/L 5 min

Water Flea EC50 = 42426 mg/L 48 h

Other Information
Ozone Depletion Potential (ODP) (R-11 = 1):

No information available.

Global Warming Potential (GWP):

No information available.

Additional Ecological Information:

Information given is based on data on the components and the ecotoxicology of similar products.

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13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products:

Dispose of in accordance with local regulations.

Contaminated Packaging:

Packaging and container to be recycled only if emptied completely!

For bulk quantities dispose of in accordance with local, regional or national requirements.
For further information contact your local waste authority.

Waste Disposal:

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.

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14. TRANSPORT INFORMATION
DOT

Proper shipping name: Consumer Commodity
 UN-No: UN1950
 Hazard Class: Not applicable.
 Subsidiary Class: Not applicable.
 Packing group: Not applicable.
 Reportable Quantity (RQ): Not applicable
 Description: UN 1950, Aerosols, Class 2.1
 Re-classed as Consumer Commodity ORM-D
 Emergency Response Guide No: 126 / 171

TDG

Proper shipping name: Consumer Commodity/ Limited Quantity/ LTD. QTY
 UN-No: UN1950
 Packing group: Not applicable.
 Description: UN 1950, Aerosols, Flammable, Class 2.1
 Re-classed as Consumer Commodity.

MEX

Not applicable.

ICAO

See IATA

IATA

UN-No: UN1950
 Proper shipping name: Aerosols, flammable \Consumer Commodity
 Hazard Class: 2.1 (9 if shipped as a Consumer Commodity)
 Subsidiary Class: Not applicable.
 Packing group: Not applicable.
 Description: UN1950, Aerosols, flammable, Limited Quantity
 or Consumer Commodity, ID 8000 if acceptable to airline.
 Maximum quantity: See DG List.

IMDG/IMO

Proper Shipping Name: Aerosols
 Hazard Class: 2
 Subsidiary Risk: Not applicable
 UN-No: UN1950
 Packing Group: Not applicable.
 IMDG Page: See IMDG Code.
 Marine Pollutant: Not applicable
 EmS: F-D, S-U
 MFAG: Not applicable.
 Maximum quantity: See IMDG Code.
 Description: UN1950, Aerosols, Class 2.1, Limited Quantity

RID

Not applicable.

ADR

Not applicable.

ADN

Not applicable.

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15. REGULATORY INFORMATION

Chemical Name	PICCS	TSCA	DSL	NDSL	ENCS	CHINA	AICS	ENECS/ ELINCS	South Africa STELs
Propellant AB-46		Present	X			X	X	270-705-8	
Ethyl alcohol		Present	X		X	X	X	200-578-6	
Triethylene glycol		Present	X		X	X	X	203-953-2	

U.S. Regulations:
Propellant AB-46 - 68476-86-8
NJRTK

Not Listed.

Appearance

None.

Ethyl alcohol - 64-17-5
NJRTK

X

Appearance

Colorless, clear, volatile liquid

Triethylene glycol - 112-27-6
NJRTK

X

Appearance

Clear, Colorless to pale yellow liquid

SARA313

None

Chemical Name
California Prop. 65
Propellant AB-46 - 68476-86-8

Not Listed

Ethyl alcohol - 64-17-5

Developmental

Triethylene glycol - 112-27-6

Not Listed

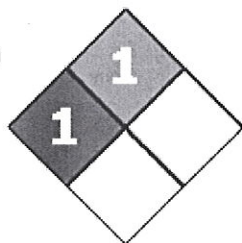
WHMIS (Canada)
WHMIS Hazard Class

B5 Flammable aerosol

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16. OTHER INFORMATION

 National Fire
Protection Association
(U.S.A.):


HMIS (U.S.A.):

Health Hazard	1
Fire Hazard	3
Reactivity	0
PERSONAL PROTECTION	A

Reason for revision:

Change of formulation

Additional advice:

This product should only be used as directed on the label and for the purpose intended.

Prepared by:

 Reckitt Benckiser (U.S.) Inc.
Product Safety Department
1 Philips Parkway
Montvale, New Jersey 07646-1810 USA.
FAX: 201-476-7770

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