



Reckitt Benckiser

MATERIAL SAFETY DATA SHEET

According to US Regulation ANSI Z400.1-2004

Print date: 24-May-2010

1. PRODUCT AND COMPANY IDENTIFICATION

MSDS Number: EPA Submission MSDS

Commercial Product Name: **Lysol® Brand II Kills 99.9% of Viruses & Bacteria Disinfecting Wipes - Lemon & Lime Blossom Scent**

Validation/Revision Date: 24-May-2010

Product Identifier: EPA Reg. Number: 777-114

Formula Number: 1657-160A

UPC Code(s) and Size:
19200 81145 3 (35 Wet Wipes 7" X 8" sheets)
19200 77182 5 (80 Wet Wipes 7" X 8" sheets)
19200 78849 6 (110 Wet Wipes 7" X 8" sheets)

Recommended / Intended Use: Pre-wetted, disposable non-woven fabric wipe for surface disinfection.

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

Distributor:
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

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2. HAZARDS IDENTIFICATION

Emergency Overview

CAUTION!
May cause eye irritation

KEEP OUT OF REACH OF CHILDREN

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	Proportion (% w/w)	ACGIH - Occupational Exposure Limits - TWAs	OSHA PEL
Ethanol 64-17-5	< 2.5 %	-	TWA: 1000 ppm TWA: 1900 mg/m ³
Alkyl Polyglycoside 325N 132778-08-6	< 2.5 %	-	-
Benzyl-dimethyl-tetradecylazanium chloride 68424-85-1	0.1 - 1 %	-	-
2-aminoethanol 141-43-5	0.1 - 1 %	= 3 ppm TWA 1 322 1 Ethanolamine	TWA: 3 ppm TWA: 8 mg/m ³ STEL: 15 mg/m ³ STEL: 6 ppm TWA: 6 mg/m ³

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4. FIRST AID MEASURES

Inhalation	Move to fresh air
Skin Contact	Wash hands thoroughly after handling. If skin irritation persists, call a physician.
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. DO NOT INDUCE VOMITING. Never give anything by mouth to an unconscious person. Call a physician or Poison Control Center immediately.
Notes to Physician	Contains Denatured Ethyl Alcohol Ingestion may result in ethanol poisoning Treat symptomatically
Protection of First-aiders	Use personal protective equipment.
Aggravated Medical Conditions:	No information available.

5. FIRE-FIGHTING MEASURES

Flash point:	Not applicable. woven fabric Liquid Premix: >93.3°C / >200°F
Suitable Extinguishing Media:	As suitable for surrounding fire.
Extinguishing media which must not be used for safety reasons:	No information available
Specific hazards:	Keep away from extreme heat, sparks or open flame.
Unusual hazards:	None known.
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-fighting	Standard procedure for chemical fires.

NFPA:	Health Hazard: 1	Flammability: 0	Physical Hazard: 0	
HMIS:	Health Hazard: 1	Flammability: 0	Physical Hazard: 0	Personal Protection: B
Key:	(Also see Sections 3 & 8)			

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6. ACCIDENTAL RELEASE MEASURES

- Personal Precautions:** Use personal protective equipment.
Avoid contact with eyes
- Environmental Precautions:** Do not allow material to contaminate ground water system.
- Methods for Cleaning Up:** Wearing appropriate personal protective equipment;
Pick up and transfer to properly labeled containers
- Methods for Containment:** Prevent further leakage or spillage if safe to do so

7. HANDLING AND STORAGE

- Handling:** Read and follow product label instructions.
After use on non-porous food contact surfaces rinse thoroughly with water.
Avoid contact with eyes
Wash hands thoroughly after handling
- Storage:** Keep out of the reach of children.
Keep containers tightly closed in a dry, cool and well-ventilated place.
- EPA Registered Product:** It is a violation of federal law to use this product in a manner inconsistent with its labeling.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Chemical Name	ACGIH TLV	OSHA PEL
Ethanol 64-17-5	STEL: 1000 ppm	TWA: 1000 ppm TWA: 1900 mg/m ³
Alkyl Polyglycoside 325N 132778-08-6	-	-
Benzyl-dimethyl-tetradecylazanium chloride 68424-85-1	-	-
2-aminoethanol 141-43-5	TWA: 3 ppm STEL: 6 ppm	TWA: 3 ppm TWA: 8 mg/m ³ STEL: 15 mg/m ³ STEL: 6 ppm TWA: 6 mg/m ³

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Engineering Controls:	For occupational exposures, ensure adequate ventilation.
Environmental exposure controls	Local authorities should be advised if significant spillages cannot be contained
Personal Protective Equipment	
Respiratory Protection:	None required under normal usage.
Eye/Face Protection:	Avoid contact with eyes Safety glasses
Hand Protection:	Repeated or prolonged contact: Wear suitable gloves
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:	Wash hands with soap and water after use. When using, do not eat, drink or smoke.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Solid.
Appearance:	Pre-moistened non-woven material.
Colour:	Clear
Odour:	Characteristic of variant
pH	Liquid Premix: 9.90 - 11.0
Flash Point:	Not applicable, solid. (Liquid Phase):> 93.3°C / > 200°F
Flammability Limits in Air:	No information available
Autoignition Temperature:	No information available.
Specific Gravity / Density [g/mL]:	0.970 - 0.996 (Liquid Phase)
Vapour Pressure:	Not determined.
Solubility:	Not applicable, liquid impregnated non-woven fabric.

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10. STABILITY AND REACTIVITY

Stability: Stable under recommended storage conditions.

Conditions to Avoid: Store away from excessive heat and moisture

Materials to Avoid: Do not mix with bleach or other household chemicals.

Hazardous Decomposition Products: Oxides of carbon and unknown organic compounds.

Polymerization: Hazardous polymerization does not occur.

11. TOXICOLOGICAL INFORMATION

PRODUCT TOXICITY DATA

LD₅₀ Oral: No information available

LD₅₀ Dermal: No information available

LC₅₀ Inhalation (Dust): No information available

LC₅₀ Inhalation (Vapor): No information available

ACUTE EFFECTS::

Eye Irritation May cause eye irritation.

Skin Irritation None expected during normal conditions of use.

Inhalation None expected during normal conditions of use.

Ingestion Health injuries are not known or expected under normal use.

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-No	LD50 Oral - with units - Rat - mg/kg	LD50 Dermal - With Units - Rat/Rabbit - mg/kg	LC50 Inhalation - With units - Rat/Rabbit
Ethanol	64-17-5	7060 mg/kg (Rat)		
Benzyl-dimethyl-tetradecylazanium chloride	68424-85-1	426 mg/kg (Rat)		
2-aminoethanol	141-43-5	1720 mg/kg (Rat)	1 mL/kg (Rabbit)	

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12. ECOLOGICAL INFORMATION

PRODUCT TOXICITY DATA

Ecotoxicity effects
Aquatic toxicity: No information available

COMPONENT TOXICITY DATA

Ethanol
64-17-5 (< 2.5 %)
Freshwater Fish LC50 96 h Oncorhynchus mykiss 12.0-16.0 ml/L
LC50 96 h Pimephales promelas >100 mg/L
LC50 96 h Pimephales promelas 13400-15100 mg/L

Microtox EC50 = 35470 mg/L 5 min
Water Flea LC50 48 h 9268 - 14221 mg/L
EC50 24 h 10800 mg/L
EC50 48 h 2 mg/L

2-aminoethanol
141-43-5 (0.1 - 1 %)
Freshwater Algae EC50 72 h 15 mg/L
Freshwater Fish LC50 96 h Pimephales promelas 227 mg/L
LC50 96 h Brachydanio rerio 3684 mg/L
LC50 96 h Lepomis macrochirus 300-1000 mg/L
LC50 96 h Oncorhynchus mykiss 114-196 mg/L
LC50 96 h Oncorhynchus mykiss >200 mg/L

Microtox EC50 = 12200 mg/L 2 h
Water Flea EC50 = 13.7 mg/L 30 min
EC50 48 h 65 mg/L

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.

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products: Dispose of in accordance with local regulations.

Contaminated Packaging: Do not re-use empty containers. Empty container can be disposed of as household trash or rinsed and recycled where appropriate.

Waste Disposal: Individual units can be discarded in the household trash.

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14. TRANSPORT INFORMATION

General remarks	For long distance transport of bulk material or shrunk pallet take into consideration sections 7 and 10.
<u>DOT</u>	Not regulated
<u>TDG</u>	Not regulated
<u>MEX</u>	Not applicable.
<u>ICAO</u>	Not regulated
<u>IATA</u>	Not regulated
<u>IMDG/IMO</u>	Not regulated
<u>RID</u>	Not applicable.
<u>ADR</u>	Not applicable.
<u>ADN</u>	Not applicable.

15. REGULATORY INFORMATION

Chemical Name	PICCS	TSCA	DSL	NDSL	ENCS	CHINA	AICS	ENECS/ ELINCS	South Africa STELs
Ethanol		Present	X		X	X	X	200-578-6	
Alkyl Polyglycoside 325N		P	X			X	X	None	
Benzyl-dimethyl-tetradecylazanium chloride		Present	X			X	X	270-325-2	
2-aminoethanol		Present	X		X	X	X	205-483-3	

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U.S. Regulations:

Ethanol - 64-17-5

NJRTK	X
Appearance	Colorless, clear, volatile liquid
SARA313	None
California Prop. 65	Developmental

Alkyl Polyglycoside 325N - 132778-08-6

NJRTK	Not Listed.
Appearance	None.
SARA313	None
California Prop. 65	Not Listed

Benzyl-dimethyl-tetradecylazanium chloride - 68424-85-1

NJRTK	Not Listed.
Appearance	None.
SARA313	None
California Prop. 65	Not Listed

2-aminoethanol - 141-43-5

NJRTK	X
Appearance	Colorless, viscous liquid
SARA313	None
California Prop. 65	Not Listed

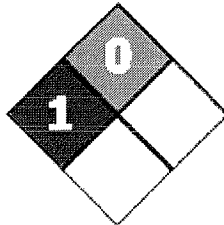
WHMIS (Canada)

WHMIS Hazard Class	Not determined
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16. OTHER INFORMATION

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



HMIS (U.S.A.):

Health Hazard	1
Flammability:	0
Physical hazards	0
PERSONAL PROTECTION	B

Reason for revision: This is a MSDS for State / EPA Registration submission, not to be used for distribution with the final retail product.

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

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