

MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Product Name Professional LYSOL® Brand III - Disinfectant Spray - All Scents (Aerosol) - USA

UPC CODES Refer to section 16

CAS # Mixture
Product use Disinfectant
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

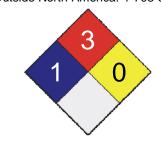
Transportation Emergencies: 24 Hour Number:

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





2. Hazards Identification

Emergency overview This product is regulated by the US EPA as a disinfectant.

Extremely flammable.

CAUTION

Contents under pressure. Do not puncture or incinerate container. Containers may

explode when heated. Keep away from heat, sparks and flame.

Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Wash

thoroughly with soap and water after handling and before eating, drinking, chewing gum

or using tobacco.

Keep out of reach of children.

Potential short term health effects

Routes of exposure Eye, Skin contact, Inhalation, Ingestion.

Eyes Moderately irritating to the eyes.

Skin May cause irritation. Not a skin sensitizer based on test data.

Inhalation Excessive intentional inhalation may cause respiratory tract irritation and central

nervous system effects (headache, dizziness).

Ingestion Not a normal route of exposure. May cause stomach distress, nausea or vomiting.

Target organs Blood. Eyes. Liver. Respiratory system. Skin.

Chronic effects Prolonged or repeated exposure can cause drying, defatting and dermatitis.

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	64-17-5	40 - 60
Petroleum gases, liquefied, sweetened	68476-86-8	2.5 - 10
Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, salts with 1,2-benzisothiazol-3(2H)-one 1,1-dioxide (1:1)	68989-01-5	0.1 - 1

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4. First Aid Measures

First aid procedures

Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove Eye contact

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 Immediately flush with cool water for 15 minutes while removing contaminated clothing

and shoes. Discard or wash well before reuse. Obtain medical attention if irritation

persists.

Inhalation Move victim to fresh air. If symptoms persist, obtain medical attention.

Call a physician or Poison Control Centre immediately. Have victim rinse mouth Ingestion

thoroughly with water. Do not induce vomiting.

Notes to physician Contains denatured ethanol; ingestion may result in ethanol poisoning. Symptoms may

be delayed.

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.

5. Fire Fighting Measures

Flammable properties Flammable aerosol by flame projection test.

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

Containers may explode when heated.

Extinguishing media

Suitable extinguishing media

Treat for surrounding material.

Unsuitable extinguishing media Not available

Protection of firefighters

Specific hazards arising from

the chemical

Protective equipment for

firefighters

Hazardous combustion products

Explosion data

Sensitivity to mechanical

impact

Sensitivity to static discharge

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. Firefighters should wear full protective clothing including self contained breathing

apparatus.

May include and are not limited to: Oxides of carbon.

Not available

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.

Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Methods for containment

Stop leak if you can do so without risk. Prevent entry into waterways, sewers,

basements or confined areas.

Before attempting clean up, refer to hazard data given above. Remove sources of Methods for cleaning up

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.

7. Handling and Storage

Handling Use good industrial hygiene practices in handling this material.

Keep out of reach of children. Do not store at temperatures above 49 °C (120.2°F). Storage

Keep away from heat, open flames or other sources of ignition.

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8. Exposure Controls / Personal Protection

Exposure limits		
Ingredient(s)	Exposure Limits	
Ethanol	ACGIH-TLV	
	TWA: 1000 ppm	
	OSHA-PEL	
	TWA: 1000 ppm	
Petroleum gases, liquefied, sweetened	ACGIH-TLV	
	Not established	
	OSHA-PEL	
	Not established	
Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, salts with 1,2-benzisothiazol-3(2H)-one 1,1-dioxide (1:1)	ACGIH-TLV	
	Not established	
	OSHA-PEL	
	Not established	

Engineering controlsGeneral ventilation normally adequate.

Personal protective equipment

Eye / face protection Not normally required when used as directed. Avoid contact with eyes.

Emergency responders should wear full eye and face protection.

Hand protection Not normally required when used as directed. Avoid contact with the skin.

Emergency responders should wear impermeable gloves.

Skin and body protection As required by employer code.

Respiratory protection Not normally required if good ventilation is maintained.

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. Wash hands before breaks and immediately after handling the product.

9. Physical and Chemical Properties

Appearance Aerosol.

Color Clear, Water white

Form Misty spray
Odor Characteristic
Odor threshold Not available

Physical state Gas pH 10.5

Freezing point

Boiling point

Not available

Not available

Flash point

18.6 °C (65.48 °F)

Evaporation rate

Not available

Flammability limits in air, lower, %

by volume

3.3

Not available

Flammability limits in air, upper, %

by volume

Vapor density

Vapor pressure 756 - 825 kPa

Specific gravity > 1

Octanol/water coefficientNot availableSolubility (H2O)CompleteAuto-ignition temperatureNot availableVOC (Weight %)Not available

Viscosity Not available Percent volatile Not available

10. Stability and Reactivity

Chemical stability Stable under recommended storage conditions.

Conditions to avoid Heat, open flames, static discharge, sparks and other ignition sources. Aerosol

containers are unstable at temperatures above 49°C (120.2°F). Do not mix with other

chemicals.

Incompatible materials Oxidizers.

Hazardous decomposition products May include and are not limited to: Oxides of carbon.

Possibility of hazardous reactions Hazardous polymerization does not occur.

11. Toxicological Information

Component analysis - LC50
Ingredient(s)

Ingredient(s) LC50

Ethanol 31623 ppm rat

Petroleum gases, liquefied, sweetened

Quaternary ammonium compounds,

Not available

Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, salts with 1,2-benzisothiazol-3(2H)-one 1,1-dioxide (1:1)

Component analysis - Oral LD50

Ingredient(s) LD50

Ethanol 3450 mg/kg mouse; 7060 mg/kg rat

Petroleum gases, liquefied, sweetened

Ouaternary ammonium compounds.

Not available

Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, salts with

1,2-benzisothiazol-3(2H)-one 1,1-dioxide (1:1)

Effects of acute exposure

Eye Moderately irritating to the eyes.

Skin May cause irritation. Not a skin sensitizer based on test data.

Inhalation Excessive intentional inhalation may cause respiratory tract irritation and central

nervous system effects (headache, dizziness).

IngestionNot a normal route of exposure. May cause stomach distress, nausea or vomiting.

SensitizationThe finished product is not expected to have chronic health effects.Chronic effectsThe finished product is not expected to have chronic health effects.CarcinogenicityThe finished product is not expected to have chronic health effects.

ACGIH - Threshold Limit Values - Carcinogens

Ethanol 64-17-5 A4 - Not Classifiable as a Human Carcinogen

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

Reproductive effectsThe finished product is not expected to have chronic health effects. **Teratogenicity**The finished product is not expected to have chronic health effects.

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12. Ecological Information

Ecotoxicity Components of this product have been identified as having potential environmental

concerns.

Ecotoxicity - Freshwater Fish Species Data

Ethanol 64-17-5 96 Hr LC50 Oncorhynchus mykiss: 12.0-16.0 ml/L [static]; 96 Hr LC50 Pimephales

promelas:>100 mg/L [static]; 96 Hr LC50 Pimephales promelas:13400-15100 mg/L

[flow-through]

Ecotoxicity - Microtox Data

Ethanol 64-17-5 5 Min EC50 Photobacterium phosphoreum: 35470 mg/L; 30 min EC50 Photobacterium

phosphoreum: 34634 mg/L

Ecotoxicity - Water Flea Data

Ethanol 64-17-5 48 Hr LC50 Daphnia magna: 9268 mg/L; 24 Hr EC50 Daphnia magna:10800 mg/L

Environmental effects

Aquatic toxicity

Persistence / degradability

Bioaccumulation / accumulation

Partition coefficient

Mobility in environmental media

Chemical fate information

Not available

Not available

Not available

13. Disposal Considerations

Waste codes Not available

Disposal instructions 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 Consumer Commodity ORM-D

Transportation of Dangerous Goods (TDG - Canada)

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

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UN 1950, Aerosols, Class 2.1, Limited Quantity

IATA/ICAO (Air)

UN 1950, Aerosols, Flammable, Limited Quantity or Consumer Commodity, ID 8000 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.

EPA Registration No. - 777-99-675

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 - Yes 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

U.S. - Massachusetts - Right To Know List

Ethanol 64-17-5 Teratogen

U.S. - Minnesota - Hazardous Substance List

Ethanol 64-17-5 Present U.S. - New Jersey - Right to Know Hazardous Substance List Ethanol 64-17-5 sn 0844

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

Ethanol 64-17-5 Present

U.S. - Rhode Island - Hazardous Substance List

Ethanol 64-17-5 Toxic; Flammable

Inventory status

Country(s) or regionInventory nameOn inventory (yes/no)*United States & Puerto RicoToxic Substances Control Act (TSCA) InventoryYes

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 Caution: Keep out of reach of children. Avoid contact with eyes and skin.

UPC CODES:

36241-04625-5 - Professional LYSOL® Brand III - Disinfectant Spray - Country Scent® -(19 oz); 36241-74828-9 - Professional LYSOL® Brand III - Disinfectant Spray - Crisp Linen® -(19 oz); 36241-04675-0 - Professional LYSOL® Brand III - Disinfectant Spray - Fresh - (19 oz);

36241-80571-5 - Professional LYSOL® Brand III - Disinfectant Spray - Garden Mist® - (19 oz); 36241-04650-7 - Professional LYSOL® Brand III - Disinfectant Spray - Original Scent - (19 oz);

36241-76075-5 - Professional LYSOL® Brand III - Disinfectant Spray - Spring Waterfall® - (19 oz)

FORMULA NUMBER:

0081285 - Country Scent®; 0081281 - Crisp Linen®;

0082445 - Fresh:

0081286 - Garden Mist®; 0081288 - Original Scent; 0081280 - Spring Waterfall®

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Prepared by Reckitt Benckiser Regulatory Department 800-333-3899