

MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Product Name Professional Lysol® Disinfectant Foam Cleaner for Multiple Surfaces (Aerosol)

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.

PRECAUTIONARY STATEMENTS: Hazards to humans and domestic animals.

CAUTION

Causes moderate eye irritation. Avoid contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco.

PHYSICAL AND CHEMICAL HAZARDS: Contents under pressure. Do not use or store near heat or open flame. Do not puncture or incinerate container. Exposure to temperatures above 120°F or in sun or discarding can in fire or incinerator may cause bursting.

KEEP OUT OF REACH OF CHILDREN.

Potential short term health effects

Inhalation

Ingestion

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

Eyes May cause eye irritation. Avoid eye contact.

Skin May cause skin irritation. Avoid skin contact.

Not expected to be a skin sensitizer.

None expected during normal conditions of use.

None expected during normal conditions of use.

Target organs Skin. Eyes. Respiratory system.

Chronic effectsThe 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.

Ingredient(s)	CAS#	Percent
Ethanol, 2-(2-butoxyethoxy)-	112-34-5	2.5 - 10
Isobutane	75-28-5	2.5 - 10
Tetrasodium ethylenediamine tetraacetate	64-02-8	2.5 - 10
Didecyl Dimethyl Ammonium Chloride	Not Applicable	0 - 0.1
Dioctyl Dimethyl Ammonium Chloride	Not Applicable	0 - 0.1
Octyl Decyl Dimethyl Ammonium Chloride	Not Applicable	0 - 0.1

4. First Aid Measures

First aid procedures

Eye contact 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 If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty

of water for 15-20 minutes. Call a poison control centre or doctor for treatment advice.

Inhalation Remove to fresh air.

Ingestion Rinse mouth with water. Contact a physician or poison control center if symptoms

persist. NEVER give an unconscious person anything to ingest.

Notes to physician Symptoms may be delayed. Treat patient symptomatically.

General advice Do not puncture or incinerate container. 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. Have the product container or label with you when calling a poison control center or

doctor, or going for treatment.

5. Fire Fighting Measures

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

Extinguishing media

Suitable extinguishing media Water spray. Foam. Dry chemical. Carbon dioxide.

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 for

firefighters

Firefighters should wear full protective clothing including self contained breathing

apparatus.

Hazardous combustion products

Explosion data

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

Sensitivity to mechanical impact Not available
Sensitivity to static discharge 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.

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

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. Wipe up with absorbent material (e.g. cloth, fleece).

7. Handling and Storage		
Handling	CAUTION May cause eye irritation. Avoid contact with eyes, skin and clothing. Contents under pressure. When using do not eat or drink.	
	Always replace cap after use.	
Storage	Do not contaminate water, food or feed by use or storage. Store in original container in areas inaccessible to small children. Do not use or store near heat or open flame. Do not reuse container. Exposure to temperatures above 120°F or in sun or discarding can in fire or incinerator may cause bursting.	
	It is a violation of Federal law to use this product in a manner inconsistent with its labeling.	

8. Exposure Controls / Personal Protection

Exposure limits				
Ingredient(s)		Exposure Limits		
Didecyl Dimethyl Ammonium Chloric	de	ACGIH-TLV		
		Not established		
		OSHA-PEL		
		Not established		
Dioctyl Dimethyl Ammonium Chloride		ACGIH-TLV		
		Not established		
		OSHA-PEL		
		Not established		
Ethanol, 2-(2-butoxyethoxy)-		ACGIH-TLV		
		Not established		
		OSHA-PEL		
		Not established		
Isobutane		ACGIH-TLV		
		TWA: 1000 ppm		
		OSHA-PEL		
		Not established		
Octyl Decyl Dimethyl Ammonium Chloride		ACGIH-TLV		
		Not established		
		OSHA-PEL		
		Not established		
Tetrasodium ethylenediamine tetraacetate		ACGIH-TLV		
		Not established		
		OSHA-PEL		
		TWA: 15 mg/m3		
Engineering controls	General ventilation normally adequate.			
Personal protective equipment				
Eye / face protection	Not normally required when used as directed.			

Emergency responders should wear full eye and face protection.

Hand protection

For sensitive skin or prolonged use, wear rubber gloves. Emergency responders should wear impermeable gloves.

Skin and body protection As required by employer code.

#20543 09-Jul-2010 Page 3 of 7 Issue date

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.

9. Physical and Chemical Properties

Appearance Foamy Spray

ColorWhite.FormSprayOdorVariousOdor thresholdNot available

Physical state Gas

pH 12.35 (Basic)
Freezing point Not available
Boiling point Not available
Pour point Not available
Evaporation rate Not available

Flash point > 200 °F (> 93.33 °C) Tag Closed Cup

Auto-ignition temperature Flammability limits in air, lower, %

by volume

Not available Not available

Flammability limits in air, upper, %

by volume

Not available

Vapor pressure 34 - 40 psig @ 70°F

Vapor density > 1

Specific gravity

Octanol/water coefficient

Solubility (H2O)

VOC (Weight %)

Viscosity

Not available

Not available

Not available

Not available

10. Stability and Reactivity

Chemical stability Stable under recommended storage conditions.

Conditions to avoid Aerosol containers are unstable at temperatures above 49°C (120.2°F).

DO NOT MIX WITH BLEACH or use in conjunction with other household products.

Excessive heat.

Incompatible materials

Oxidizers. Acids.

Hazardous decomposition products

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

Possibility of hazardous reactions Hazardous polymerization does not occur.

11. Toxicological Information

Ingredient(s) LC50 Didecyl Dimethyl Ammonium Chloride Dioctyl Dimethyl Ammonium Chloride Ethanol, 2-(2-butoxyethoxy)Isobutane Octyl Decyl Dimethyl Ammonium Chloride Not available Tetrasodium ethylenediamine tetraacetate LC50 Not available Not available Not available Not available

Component analysis - Oral LD50

Ingredient(s)

ingredient(3)	LDOU
Didecyl Dimethyl Ammonium Chloride	Not available
Dioctyl Dimethyl Ammonium Chloride	Not available
Ethanol, 2-(2-butoxyethoxy)-	2000 mg/kg guinea pig; 3384 mg/kg rat; 2200 mg/kg rabbit
Isobutane	Not available
Octyl Decyl Dimethyl Ammonium Chloride	Not available
Tetrasodium ethylenediamine tetraacetate	2000 mg/kg rat

LD50

Effects of acute exposure

Eye May cause eye irritation. Avoid eye contact.

Skin May cause skin irritation. Avoid skin contact.

Not expected to be a skin sensitizer.

InhalationNone expected during normal conditions of use.IngestionNone expected during normal conditions of use.

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

Synergistic Materials Not available

12. Ecological Information

Ecotoxicity

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 Algae Data

Ethanol, 2-(2-butoxyethoxy)- 112-34-5 96 Hr EC50 Desmodesmus subspicatus: >100 mg/L Tetrasodium ethylenediamine 64-02-8 72 Hr EC50 Desmodesmus subspicatus: 1.01 mg/L

tetraacetate

tetraacetate

Ecotoxicity - Freshwater Fish Species Data

Ethanol, 2-(2-butoxyethoxy)- 112-34-5 96 Hr LC50 Lepomis macrochirus: 1300 mg/L [static]

Tetrasodium ethylenediamine 64-02-8 96 Hr LC50 Lepomis macrochirus: 41 mg/L [static]; 96 Hr LC50 Pimephales

tetraacetate promelas: 59.8 mg/L [static]

Ecotoxicity - Water Flea Data

Ethanol, 2-(2-butoxyethoxy)- 112-34-5 24 Hr EC50 Daphnia magna: 2850 mg/L; 48 Hr EC50 Daphnia magna: >100 mg/L

Tetrasodium ethylenediamine 64-02-8 24 Hr EC50 Daphnia magna: 610 mg/L

Environmental effects

Aquatic toxicity

Not available
Not available

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 instructionsReview federal, state and local government requirements prior to disposal.

Do not reuse empty container. Replace cap and discard in trash. Do not incinerate or

puncture.

Waste from residues / unused

products

Not available

Contaminated packaging Not available

14. Transport Information

U.S. Department of Transportation (DOT)				
	UN 1950, 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.			
IMDG (Marine Transport)	UN 1950, Aerosols, Class 2.1, Limited Quantity			
IATA/ICAO (Air)				
	UN1950, Aerosols, Flammable, Limited Quantity			

#20543 Page 6 of 7 Issue date 09-Jul-2010

15. Regulatory Information

US Federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication

Standard, 29 CFR 1910.1200.

All components are on the U.S. EPA TSCA Inventory List.

Product Registration: Registered with EPA, EPA Reg. No. 777-71-675

Occupational Safety and Health Administration (OSHA)

29 CFR 1910.1200 hazardous

Yes

chemical

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

Nο

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. - Massachusetts - Right To Know List

Isobutane 75-28-5 Present
U.S. - New Jersey - Right to Know Hazardous Substance List
Isobutane 75-28-5 sn 1040

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

Isobutane 75-28-5 Present

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 36241-02775-9 - Professional LYSOL® Disinfectant Foam Cleaner for Multiple Surfaces

(Aerosol) - 24 oz. - 0074422

Issue date09-Jul-2010Effective date30-Jun-2010

Prepared by Reckitt Benckiser Regulatory Department 800-333-3899

#20543 Page 7 of 7 Issue date 09-Jul-2010