

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 Disinfectant Product use **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 Health HMIS/NFPA 3 Flammability Severe 4 1 () Serious 3 0 **Physical Hazard** 2 Moderate Slight 1 Personal Protection В 0 Minimal 2. Hazards Identification This product is regulated by the US EPA as a disinfectant. **Emergency overview** 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 Eye, Skin contact, Inhalation, Ingestion. Routes of exposure Moderately irritating to the eyes. Eves May cause irritation. Not a skin sensitizer based on test data. Skin 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. Symptoms may include redness, edema, drying, defatting and cracking of the skin. Signs and symptoms 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

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

7. Handling and Storage

Handling	Use good industrial hygiene practices in handling this material.		
Storage	Keep out of reach of children. Do not store at temperatures above 49 °C (120.2°F). Keep away from heat, open flames or other sources of ignition.		

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,	ACGIH-TLV	
benzyl-C12-18-alkyldimethyl, salts with 1,2-benzisothiazol-3(2H)-one 1,1-dioxi		
	OSHA-PEL	
	Not established	
Engineering controls	General 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
рН	10.5
Freezing point	Not available
Boiling point	Not available
Flash point	18.6 °C (65.48 °F)
Evaporation rate	Not available
Flammability limits in air, lower, % by volume	3.3
Flammability limits in air, upper, % by volume	19
Vapor pressure	756 - 825 kPa
Vapor density	Not available
Specific gravity	> 1
Octanol/water coefficient	Not available
Solubility (H2O)	Complete
Auto-ignition temperature	Not available
VOC (Weight %)	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)		LC50	
Ethanol		31623 ppm rat	
Petroleum gases, liquefied, swe	etened	Not available	
Quaternary ammonium compou benzyl-C12-18-alkyldimethyl, sa 1,2-benzisothiazol-3(2H)-one 1,	alts with	Not available	
Component analysis - Oral LE	050		
Ingredient(s)		LD50	
Ethanol		3450 mg/kg mouse; 7060 mg/kg rat	
Petroleum gases, liquefied, swe	etened	Not available	
Quaternary ammonium compou benzyl-C12-18-alkyldimethyl, sa 1,2-benzisothiazol-3(2H)-one 1,	alts with	Not available	
Effects of acute exposure			
Eye	Moderat	ely irritating to the eyes.	
Skin	May cau	use 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 no	ormal route of exposure. May cause stomach distress, nausea or vomiting.	
Sensitization	The finis	shed 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.		
ACGIH - Threshold Limit Valu	es - Carcinogens		
Ethanol	64-17-5	A4 - Not Classifiable as a Human Carcinogen	
Mutagenicity	The finis	shed product is not expected to have chronic health effects.	
Reproductive effects		shed product is not expected to have chronic health effects.	
Teratogenicity	The finis	shed product is not expected to have chronic health effects.	

12. Ecological Information

Ecotoxicity	Components of this product have been identified as having potential environmental concerns.		
Ecotoxicity - Freshwater Fish Spe	ecies 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	Not availab	le	
Aquatic toxicity	Not available		
Persistence / degradability	Not available		
Bioaccumulation / accumulation	Not available		
Partition coefficient	Not available		
Mobility in environmental media	Not availat	le	
Chemical fate information	Not availab	le	
	13. Di	sposal 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. 7	Fransport 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.

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 Adm	inistration (OSHA)	
29 CFR 1910.1200 hazardous chemical	Yes	
Superfund Amendments and Reauth	orization 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 Air Act (CAA)	Not available
Clean Water Act (CWA)	Not available

U.S Massachusetts - Right To Ki	now List			
	64-17-5	Teratogen		
U.S Minnesota - Hazardous Substance List				
Ethanol U.S New Jersey - Right to Know	64-17-5 Hazardous Subs t	Present ance List		
	64-17-5	sn 0844		
U.S Pennsylvania - RTK (Right te	o Know) List			
Ethanol U.S Rhode Island - Hazardous Si	64-17-5	Present		
	64-17-5	Toxic; Flammable		
Inventory status	04 11 0			
Country(s) or region	Inventory r	name	On inventory (yes/no)*	
United States & Puerto Rico	-	tances Control Act (TSCA) Inventory	Yes	
	s 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 CODE	ES:		
	36241-7482 36241-0467 36241-8057 36241-0465	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:		
	0081281 - (0082445 - F 0081286 - (0081288 - (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			