

### 1. Product and Company Identification

**Product Name** Lysol Brand® IV (Kills 99.9% of Viruses & Bacteria) Disinfecting Wipes Complete Clean Dual Action, All Scents

**UPC CODES** Refer to Section 16

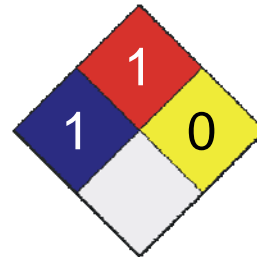
**CAS #** Mixture

**Product Use** Disinfectant

**Distributed by** Reckitt Benckiser (Canada) Inc.  
1680 Tech Avenue Unit #2  
Mississauga, ON L4W 5S9  
In Case of Emergency: 1-800-888-0192  
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

Health	/ 1
Flammability	1
Physical Hazard	0
Personal Protection	A



### 2. Hazards Identification

**Emergency Overview** This product is regulated by Health Canada as a disinfectant. Extensive testing has been completed to show that it is safe and effective when used as directed.

**PRECAUTIONS:** Keep out of reach of children.

**CAUTION**  
Irritating to eyes and skin. Wash hands after use. Do not store near heat or open flame.

**Potential short term health effects**

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

**Eyes** May cause eye irritation.

**Skin** None expected during normal conditions of use.  
Not expected to be a skin sensitizer.

**Inhalation** None expected during normal conditions of use.

**Ingestion** Health injuries are not known or expected under normal use.  
Ingestion is unlikely through the normal anticipated use of this product.  
Ingestion of liquid from pre-wetted fabric wipes may result in ethanol poisoning, contains denatured ethanol.

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

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

**Signs and symptoms** Symptoms may include redness, oedema, drying, defatting and cracking of the skin.

### 3. Composition/Information on Ingredients

Ingredient(s)	CAS #	Percent
Alkyl (40% C12, 50% C14, 10% C16) dimethyl benzyl ammonium chloride	Not Applicable	0.1 - 1
Ethanol	64-17-5	1 - 5

### 4. First Aid Measures

**First aid procedures**

**Eye contact** If eye contact occurs, flush thoroughly with water for 15 minutes. Get medical attention immediately.

<b>Skin contact</b>	Avoid prolonged contact with skin. Wash with soap and water after handling.
<b>Inhalation</b>	Move to fresh air.
<b>Ingestion</b>	Not a likely route of exposure. Product is a non-woven fabric cloth impregnated with a disinfectant solution for surface cleaning. If ingestion does occur by licking the wipe or other means, contact a physician or a Poison Control Center.
<b>Notes to physician</b>	Wipes are saturated with a solution containing less than 3% denatured ethyl alcohol.
<b>General advice</b>	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.  Take container, label or product name and DIN Number with you when seeking medical attention.

## 5. Fire-fighting Measures

<b>Flammable properties</b>	The flashpoint of the liquid within this product is > 93.3°C (200°F) (Tagliabue).
<b>Extinguishing media</b>	
<b>Suitable extinguishing media</b>	Treat for surrounding material.
<b>Unsuitable extinguishing media</b>	Not available
<b>Protection of firefighters</b>	
<b>Specific hazards arising from the chemical</b>	Not available
<b>Protective equipment for firefighters</b>	Firefighters should wear full protective clothing including self contained breathing apparatus.
<b>Hazardous combustion products</b>	May include and are not limited to: Oxides of carbon. Oxides of nitrogen.
<b>Explosion data</b>	
<b>Sensitivity to mechanical impact</b>	Not available
<b>Sensitivity to static discharge</b>	Not available

## 6. Accidental Release Measures

<b>Personal precautions</b>	Avoid contact with eyes. 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.
<b>Methods for containment</b>	Do not allow product to enter sewer or waterways.
<b>Methods for cleaning up</b>	Remove sources of ignition. Never return spills in original containers for re-use.
<b>Other Information</b>	Pick up and discard towel.

## 7. Handling and Storage

<b>Handling</b>	CAUTION Causes eye and skin irritation. Avoid contact with eyes. Wash hands after handling and before eating. Use good industrial hygiene practices in handling this material.
<b>Storage</b>	Store in original container in a cool, secure area inaccessible to children and pets. Do not store at temperatures above 120°F (49°C). Store in a closed container away from incompatible materials. Food contact surfaces must be rinsed with potable water. Not recommended for polished or bare wood floors. Not intended for personal hygiene.

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## 8. Exposure Controls / Personal Protection

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### Exposure limit values

Ingredient(s)	Exposure limit values
Alkyl (40% C12, 50% C14, 10% C16) dimethyl benzyl ammonium chloride	<b>ACGIH-TLV</b> Not established
Ethanol	<b>ACGIH-TLV</b> TWA: 1000 ppm STEL: 1000 ppm
<b>Engineering controls</b>	General ventilation normally adequate.
<b>Personal protective equipment</b>	
<b>Eye/Face protection</b>	Avoid contact with eyes. Emergency responders should wear full eye and face protection.
<b>Hand protection</b>	Wash hands after use. Emergency responders should wear impermeable gloves.
<b>Skin and body protection</b>	As required by employer code. Emergency responders should wear impermeable clothing and footwear when responding to a situation where contact with the liquid is possible.
<b>Respiratory protection</b>	Not normally required under normal use conditions. 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.
<b>General hygiene considerations</b>	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.

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## 9. Physical and Chemical Properties

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<b>Appearance</b>	Liquid saturated on wipe
<b>Colour</b>	clear liquid
<b>Form</b>	Pre-moistened towelette.
<b>Odour</b>	Various
<b>Odour threshold</b>	Not available
<b>Physical state</b>	Not available
<b>pH</b>	7 (liquid)
<b>Freezing point</b>	Not available
<b>Boiling point</b>	Not available
<b>Pour point</b>	Not available
<b>Evaporation Rate</b>	Not available
<b>Flash point</b>	> 93.33 °C (> 200 °F) (liquid) Tagliabue
<b>Auto-ignition temperature</b>	Not available
<b>Flammability limits in air, lower, % by volume</b>	Not available
<b>Flammability Limits in Air, Upper, % by Volume</b>	Not available
<b>Vapour pressure</b>	Not available
<b>Vapour density</b>	Not available
<b>Specific gravity</b>	1 (liquid)
<b>Octanol/water coefficient</b>	Not available
<b>Solubility (H2O)</b>	Wipe is not soluble

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## 10. Stability and Reactivity

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<b>Chemical stability</b>	Stable under recommended storage conditions.
<b>Conditions to avoid</b>	DO NOT MIX WITH BLEACH or use in conjunction with other household products. Heat, open flames, static discharge, sparks and other ignition sources.
<b>Incompatible materials</b>	Oxidizers.

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**Hazardous decomposition products** May include and are not limited to: Oxides of carbon. Oxides of nitrogen.  
**Possibility of hazardous reactions** Hazardous polymerisation does not occur.

## 11. Toxicological Information

### Component analysis - LC50

Ingredient(s)	LC50
Alkyl (40% C12, 50% C14, 10% C16) dimethyl benzyl ammonium chloride	Not available
Ethanol	31623 ppm rat

### Component analysis - Oral LD50

Ingredient(s)	LD50
Alkyl (40% C12, 50% C14, 10% C16) dimethyl benzyl ammonium chloride	Not available
Ethanol	3450 mg/kg mouse; 7060 mg/kg rat

### Effects of acute exposure

<b>Eye</b>	May cause eye irritation.
<b>Skin</b>	None expected during normal conditions of use. Not expected to be a skin sensitizer.
<b>Inhalation</b>	None expected during normal conditions of use.
<b>Ingestion</b>	Health injuries are not known or expected under normal use. Ingestion is unlikely through the normal anticipated use of this product. Ingestion of liquid from pre-wetted fabric wipes may result in ethanol poisoning, contains denatured ethanol.
<b>Sensitisation</b>	The finished product is not expected to have chronic health effects.
<b>Chronic effects</b>	The finished product is not expected to have chronic health effects.
<b>Carcinogenicity</b>	The finished product is not expected to have chronic health effects.

#### ACGIH - Threshold Limit Values - Carcinogens

Ethanol	64-17-5	A3 - Confirmed animal carcinogen with unknown relevance to humans.
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<b>Mutagenicity</b>	The finished product is not expected to have chronic health effects.
<b>Reproductive effects</b>	The finished product is not expected to have chronic health effects.
<b>Teratogenicity</b>	The finished product is not expected to have chronic health effects.
<b>Synergistic Materials</b>	Not available

## 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]
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#### Ecotoxicity - Water Flea Data

Ethanol	64-17-5	48 Hr LC50 Daphnia magna: 9268 - 14221 mg/L; 24 Hr EC50 Daphnia magna: 10800 mg/L; 48 Hr EC50 Daphnia magna: 2 mg/L [Static]
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<b>Environmental effects</b>	Not available
<b>Aquatic toxicity</b>	Not available
<b>Persistence and degradability</b>	Not available
<b>Bioaccumulation/accumulation</b>	Not available
<b>Partition coefficient</b>	Not available
<b>Mobility in environmental media</b>	Not available
<b>Chemical fate information</b>	Not available
<b>Other adverse effects</b>	Not available

## 13. Disposal Considerations

**Waste codes** Not available

<b>Disposal instructions</b>	Do not reuse empty container. Rinse container and offer for recycling where facilities exist. Review federal, state/provincial, and local government requirements prior to disposal. Discard with solid waste.
<b>Waste from residues / unused products</b>	Not available
<b>Contaminated packaging</b>	Not available

## 14. Transport Information

**UN/ID N.o.** Not applicable

**U.S. Department of Transportation (DOT): Classification:** Not regulated

<b>Proper shipping name</b>	Not applicable
<b>U.S. DOT Hazard Class</b>	Not applicable
<b>Subsidiary Risk</b>	Not applicable
<b>Packing group</b>	Not applicable
<b>DOT RQ (lbs)</b>	Not applicable
<b>ERG NO</b>	Not applicable

**Transportation of Dangerous Goods (TDG - Canada): Classification:** Not regulated

<b>Proper shipping name</b>	Not applicable
<b>Status</b>	Not applicable
<b>Packing group</b>	Not applicable

**IMDG (Marine Transport): Classification:** Not regulated

<b>Proper shipping name</b>	Not applicable
<b>Class</b>	Not applicable
<b>Subsidiary Risk</b>	Not applicable
<b>Packing group</b>	Not applicable
<b>IMDG Page</b>	Not applicable
<b>Marine pollutant</b>	Not applicable
<b>EMS</b>	Not applicable
<b>MFAG</b>	Not applicable
<b>Maximum Quantity</b>	Not applicable

**IATA/ICAO (Air): Classification:** Not regulated  
**Proper shipping name** Not applicable  
**Class** Not applicable  
**Subsidiary Risk:** Not applicable  
**Packing group** Not applicable  
**Maximum Quantity** Not applicable

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## 15. Regulatory Information

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**Canadian federal regulations** This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

**Product Registration:** Registered with TPD, DIN 02248397

**Canada - WHMIS - Ingredient Disclosure List**

Ethanol 64-17-5 0.1 %

**WHMIS classification** Exempt - Registered product - (DIN 02248397)

**Inventory Status**

Country(s) or region	Inventory Name	On Inventory (Yes/No)*
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	Yes

A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

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## 16. Other Information

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**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** 59631-81820-1 - LYSOL® Brand IV (Kills 99.9% of Viruses & Bacteria) Disinfecting Wipes Complete Clean Dual Action, All Scents - 28 ct - Citrus - 0169916

59631-81821-8 - LYSOL® Brand IV (Kills 99.9% of Viruses & Bacteria) Disinfecting Wipes Complete Clean Dual Action, All Scents - 28 ct - Spring Waterfall - 0176860

**Issue date** 28-Jun-2010

**Effective Date** 30-Jun-2010

**Expiry Date** 30-Jun-2013

**Prepared by** Reckitt Benckiser Regulatory Department 800-333-3899

**Other Information** For an updated MSDS, please contact the supplier/manufacturer listed on the first page of the document.