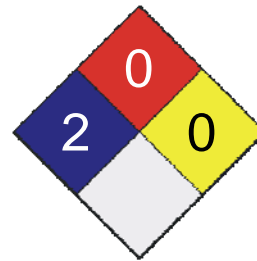


## 1. Product and Company Identification

<b>Product Name</b>	<b>LYSOL® Disinfectant Power &amp; Fresh™ Multi-Surface Cleaner (Pourable) - All Scents</b>
<b>CAS #</b>	Mixture <b>This MSDS is designed for workplace employees, emergency personnel and for other conditions and situations where there is a greater potential for large-scale or prolonged exposure, in accordance with requirements of the Canadian Workplace Hazardous Materials Information System (WHMIS). This MSDS is not applicable for consumer use of our products. For consumer use, all precautionary and first aid language is provided on the product label in accordance with the applicable government regulation.</b>
<b>Product Use</b>	Multi-Purpose Cleaner
<b>Distributed by</b>	Reckitt Benckiser (Canada) Inc. 1680 Tech Avenue Unit #2 Mississauga, ON L4W 5S9 In Case of Emergency: 1-800-338-6167 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	* 2
Flammability	0
Physical Hazard	0
Personal Protection	B



## 2. Hazards Identification

<b>Emergency Overview</b>	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. <b>CAUTION</b> MAY IRRITATE EYES. DO NOT get in eyes. Wash thoroughly with soap and water after handling. Keep out of reach of children.
<b>Potential short term health effects</b>	
<b>Routes of exposure</b>	Eye, Skin contact, Inhalation, Ingestion.
<b>Eyes</b>	Moderately irritating to the eyes.
<b>Skin</b>	Moderately irritating in the case of prolonged contact with liquid. 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.
<b>Target organs</b>	Eyes. Respiratory system. Skin.
<b>Chronic effects</b>	The finished product is not expected to have chronic health effects.
<b>Signs and symptoms</b>	Symptoms may include redness, oedema, drying, defatting and cracking of the skin. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.
<b>Potential environmental effects</b>	See section 12.

## 3. Composition/Information on Ingredients

Ingredient(s)	CAS #	Percent
Ethanol	64-17-5	0.1 - 1
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	68424-85-1	0.5 - 1.5
Alcohols, C12-16, ethoxylated	68551-12-2	1 - 5

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## 4. First Aid Measures

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### First aid procedures

<b>Eye contact</b>	If in eyes, immediately flush eyes thoroughly with water, remove any contact lenses, and continue to flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation persists.
<b>Skin contact</b>	If on skin, wash area with plenty of soap and water. Get medical attention if irritation develops. Wash clothing before reuse.
<b>Inhalation</b>	Move exposed person to fresh air. Get medical attention immediately.
<b>Ingestion</b>	If swallowed, DO NOT induce vomiting, drink promptly a large quantity of water to dilute product. Get medical attention. Wash out mouth with water.

### Notes to physician

Take container, label or product name and Registration Number with you when seeking medical attention.

### General advice

Treat patient symptomatically.

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.

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## 5. Fire-fighting Measures

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<b>Flammable properties</b>	Not flammable by WHMIS criteria.
<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

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## 6. Accidental Release Measures

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<b>Personal precautions</b>	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>Environmental precautions</b>	Do not discharge into lakes, streams, ponds or public waters. Inform the relevant authorities if the product has caused environmental pollution.
<b>Methods for containment</b>	Stop leak if you can do so without risk. Prevent entry into waterways, sewers, basements or confined areas.
<b>Methods for cleaning up</b>	Before attempting clean up, refer to hazard data given above. Small spills may be absorbed with non-reactive absorbent and placed in suitable, covered, labelled containers. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice. Never return spills in original containers for re-use.

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## 7. Handling and Storage

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<b>Handling</b>	Ensure adequate ventilation. Use good industrial hygiene practices in handling this material. When using do not eat or drink. Avoid contact with skin and clothing. Avoid contact with eyes. Avoid breathing vapours or mists of this product. Do not ingest. Keep container tightly closed. Wash thoroughly after handling. Do not reuse the empty container.
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**Storage**

Store in areas inaccessible to small children. Keep securely closed. Refill trigger bottle only with this product. If not refilling, discard in trash or offer for recycle.  
 Store in a closed container away from incompatible materials.  
 Store in original container, protected from direct sunlight, in a dry, cool, well ventilated area, and away from food and drink.  
 Do not freeze.  
 Store at room temperature.

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

## 8. Exposure Controls / Personal Protection

**Exposure limit values**

Ingredient(s)	Exposure limit values
Alcohols, C12-16, ethoxylated	<b>ACGIH-TLV</b> Not established
Ethanol	<b>ACGIH-TLV</b> TWA: 1000 ppm STEL: 1000 ppm
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	<b>ACGIH-TLV</b> Not established

**Engineering controls**

General ventilation normally adequate.

**Personal protective equipment**

**Consult the product label for special protection or precautions that have been identified for using this product under directed consumer use conditions. The following recommendations are given for workplace employees, emergency personnel and for other conditions and situations where there is a greater potential for large-scale or prolonged exposure.**

**Eye / face protection**

Not required under normal use conditions. Safety glasses with side-shields or full eye & face protection should be worn if risk assessment indicates this is necessary for the workplace or emergency responders.

**Hand protection**

Not required under normal use conditions. Chemical resistant, impervious gloves should be worn if risk assessment indicates this is necessary for the workplace or emergency responders.

**Skin and body protection**

As required by employer code.  
 Usual safety precautions while handling the product will provide adequate protection against injury or irritation.  
 Emergency responders should wear impermeable clothing and footwear when responding to a situation where contact with the liquid is possible.

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

## 9. Physical and Chemical Properties

<b>Appearance</b>	Liquid
<b>Colour</b>	Various
<b>Form</b>	aqueous solution
<b>Odour</b>	Various
<b>Odour threshold</b>	Not available
<b>Physical state</b>	Liquid
<b>pH</b>	8.5 - 9.5
<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>	> 93.3 °C (> 199.94 °F) closed cup
<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>	1.002 - 1.012
<b>Octanol/water coefficient</b>	Not available
<b>Solubility (H2O)</b>	Complete

## 10. Stability and Reactivity

<b>Reactivity</b>	This product may react with oxidizing agents.
<b>Possibility of hazardous reactions</b>	Hazardous polymerisation does not occur.
<b>Chemical stability</b>	Stable under recommended storage conditions.
<b>Conditions to avoid</b>	Do not freeze Exposure to moisture. Keep away from extreme heat. DO NOT MIX WITH BLEACH or use in conjunction with other household products.
<b>Incompatible materials</b>	Caustics. Acids. Oxidizers.
<b>Hazardous decomposition products</b>	May include and are not limited to: Oxides of carbon. Oxides of nitrogen.

## 11. Toxicological Information

### Component analysis - LC50

Ingredient(s)	LC50
Alcohols, C12-16, ethoxylated	Not available
Ethanol	31623 ppm rat
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	Not available

### Component analysis - Oral LD50

Ingredient(s)	LD50
Alcohols, C12-16, ethoxylated	1380 mg/kg rat
Ethanol	3450 mg/kg mouse; 7060 mg/kg rat
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	426 mg/kg rat

### Effects of acute exposure

<b>Eye</b>	Moderately irritating to the eyes.
<b>Skin</b>	Moderately irritating in the case of prolonged contact with liquid. 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.
<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.
<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>Name of Toxicologically Synergistic Products</b>	Not available

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## 12. Ecological Information

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<b>Ecotoxicity</b>	See below	
<b>Ecotoxicity - Freshwater Fish - Acute Toxicity Data</b>		
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]
<b>Ecotoxicity - Water Flea - Acute Toxicity Data</b>		
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]
<b>Persistence and degradability</b>	Not available	
<b>Bioaccumulation/accumulation</b>	Not available	
<b>Mobility in environmental media</b>	Not available	
<b>Environmental effects</b>	Not available	
<b>Aquatic toxicity</b>	Not available	
<b>Partition coefficient</b>	Not available	
<b>Chemical fate information</b>	Not available	
<b>Other adverse effects</b>	Not available	

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## 13. Disposal Considerations

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<b>Disposal instructions</b>	Dispose in accordance with all applicable regulations. Do not reuse empty container. Rinse container and offer for recycling where facilities exist.
<b>Waste from residues / unused products</b>	Not available
<b>Contaminated packaging</b>	Not available

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## 14. Transport Information

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<b>UN/ID N.o.</b>	Not applicable
<b>U.S. Department of Transportation (DOT): Classification:</b>	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

<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>Maximum Quantity</b>	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 02245935

All components of this product are either on the Domestic Substances List (DSL), the Non-Domestic Substances List (NDSL) or exempt.

**Canada - WHMIS - Ingredient Disclosure List**

Ethanol	64-17-5	0.1 %
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**WHMIS classification**

Exempt - Registered product - (DIN 02245935)

**Inventory Status**

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

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**

LYSOL® Disinfectant Power & Fresh™ Multi-Surface Cleaner (Pourable) - Lavender, 1.5 L - 8056727v1.0

LYSOL® Disinfectant Power & Fresh™ Multi-Surface Cleaner (Pourable) - Lemon, 1.2 L/800 mL - 8056699v2.0

LYSOL® Disinfectant Power & Fresh™ Multi-Surface Cleaner (Pourable) - Orange, 1.2 L/4.26 L/800 mL - 8056710v2.0

LYSOL® Disinfectant Power & Fresh™ Multi-Surface Cleaner (Pourable) - Spring Waterfall, 1.2 L/800 mL - 8056716v1.0

**Issue date**

06-Mar-2013

**Effective Date**

01-Mar-2013

**Expiry Date**

01-Mar-2016

**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.

This MSDS conforms to the ANSI Z400.1/Z129.1-2010 Standard.