

### 1. Product and Company Identification

**Product Name** Lysol® Brand (Kills 99.9% of Viruses & Bacteria) Bathroom Cleaner Complete Clean

**UPC CODES** Refer to section 16

**CAS #** Mixture

**Product Use** Bathroom cleaner and 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	/ 2
Flammability	0
Physical Hazard	0
Personal Protection	B



### 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.  
**CAUTION**  
**CAUSES EYE IRRITATION.** Do not get in eyes, on skin or on clothing. Wash thoroughly with soap and water after handling.

Keep out of reach of children.

**Potential short term health effects**

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

**Eyes** Eye irritant.

**Skin** May cause skin irritation.  
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.

**Target organs** Eyes. 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.  
Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

### 3. Composition/Information on Ingredients

Ingredient(s)	CAS #	Percent
Hydroxyacetic acid	79-14-1	1 - 5
Dipropylene glycol monobutyl ether	29911-28-2	1 - 5
Citric acid	77-92-9	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 occurs.
<b>Skin contact</b>	Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes.
<b>Inhalation</b>	Move to fresh air.
<b>Ingestion</b>	If ingested, DO NOT induce vomiting. Call a physician or Poison Control Centre immediately.

### Notes to physician

Symptoms may be delayed.

### General advice

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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### Flammable properties

Not flammable by WHMIS criteria.

### Extinguishing media

**Suitable extinguishing media** Treat for surrounding material.

**Unsuitable extinguishing media** Not available

### Protection of firefighters

**Specific hazards arising from the chemical** Not available

**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

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## 6. Accidental Release Measures

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### 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

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. 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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### Handling

Use this product with adequate ventilation.  
Avoid contact with eyes and skin.  
Use good industrial hygiene practices in handling this material.  
When using do not eat or drink.

### Storage

Keep out of reach of children.  
Store in a cool dry place inaccessible to children and pets.

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## 8. Exposure Controls / Personal Protection

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### Exposure limit values

Ingredient(s)	Exposure limit values
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Citric acid	<b>ACGIH-TLV</b> TWA: 10 mg/m <sup>3</sup>
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Dipropylene glycol monobutyl ether	<b>ACGIH-TLV</b> Mist: 10 mg/m <sup>3</sup>
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Hydroxyacetic acid	<b>ACGIH-TLV</b> Not established
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<b>Engineering controls</b>	General ventilation normally adequate.
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### Personal protective equipment

#### Eye/Face protection

Wear safety glasses with side shields.  
Emergency responders should wear full eye and face protection.

#### Hand protection

Wear impervious gloves where the potential for contact with the liquid is possible.  
Emergency responders should wear impermeable gloves.

#### Skin and body protection

Usual safety precautions while handling the product will provide adequate protection against injury or irritation.  
Follow label directions carefully.

#### Respiratory protection

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.

#### 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.

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## 9. Physical and Chemical Properties

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<b>Appearance</b>	Spray
<b>Colour</b>	Clear Water white
<b>Form</b>	Liquid
<b>Odour</b>	Characteristic
<b>Odour threshold</b>	Not available
<b>Physical state</b>	Liquid
<b>pH</b>	1.8 - 2.2 (Acidic)
<b>Freezing point</b>	Not available
<b>Boiling point</b>	Not available
<b>Pour point</b>	Not available
<b>Flash point</b>	> 93.33 °C (> 200 °F) Tagliabue
<b>Evaporation Rate</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>	1.015 - 1.025 @ 25°C
<b>Octanol/water coefficient</b>	Not available
<b>Solubility (H<sub>2</sub>O)</b>	Complete
<b>Auto-ignition temperature</b>	Not available
<b>VOC (Weight %)</b>	Not available
<b>Viscosity</b>	Not available
<b>Percent volatile</b>	Not available

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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>	Excessive 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.
<b>Possibility of hazardous reactions</b>	Hazardous polymerisation does not occur.

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## 11. Toxicological Information

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### Component analysis - LC50

Ingredient(s)	LC50
Citric acid	Not available
Dipropylene glycol monobutyl ether	Not available
Hydroxyacetic acid	7.7 mg/l/4h rat

### Component analysis - Oral LD50

Ingredient(s)	LD50
Citric acid	5040 mg/kg mouse; 3000 mg/kg rat
Dipropylene glycol monobutyl ether	3700 mg/kg rat
Hydroxyacetic acid	1950 mg/kg rat; 1920 mg/kg guinea pig

### Effects of acute exposure

<b>Eye</b>	Eye irritant.
<b>Skin</b>	May cause skin irritation. 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>Synergistic Materials</b>	Not available

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## 12. Ecological Information

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<b>Ecotoxicity</b>	Because of the low pH of this product, it would be expected to produce significant ecotoxicity upon exposure to aquatic organisms and aquatic systems. 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.
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### Ecotoxicity - Freshwater Fish Species Data

Citric acid	77-92-9	96 Hr LC50 <i>Lepomis macrochirus</i> : 1516 mg/L [static]
Dipropylene glycol monobutyl ether	29911-28-2	96 Hr LC50 <i>Poecilia reticulata</i> : 841 mg/L [static]
Hydroxyacetic acid	79-14-1	96 Hr LC50 <i>Brachydanio rerio</i> : >5000 mg/L [static]

### Ecotoxicity - Water Flea Data

Citric acid	77-92-9	72 Hr EC50 <i>Daphnia magna</i> : 120 mg/L
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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

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Chemical fate information	Not available
Other adverse effects	Not available

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### 13. Disposal Considerations

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Waste codes	Not available
Disposal instructions	Dispose in accordance with all applicable regulations.
Waste from residues / unused products	Not available
Contaminated packaging	Empty container can be disposed of as household trash or rinsed and recycled where appropriate.

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### 14. Transport Information

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UN/ID N.o. Not applicable

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

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

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

Proper shipping name	Not applicable
Status	Not applicable
Packing group	Not applicable

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

Proper shipping name	Not applicable
Class	Not applicable
Subsidiary Risk	Not applicable
Packing group	Not applicable
IMDG Page	Not applicable
Marine pollutant	Not applicable
EMS	Not applicable
MFAG	Not applicable
Maximum Quantity	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 02315386

**Canada - WHMIS - Ingredient Disclosure List**

Citric acid	77-92-9	1 %
Hydroxyacetic acid	79-14-1	1 %

**WHMIS classification** Exempt - Registered product - (DIN 02315386)

**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** 59631-77210-7 - LYSOL® Brand (Kills 99.9% of Viruses & Bacteria) Bathroom Cleaner Complete Clean - 950 mL - Fresh Apple - 0079554

59631-81747-1 - LYSOL® Brand (Kills 99.9% of Viruses & Bacteria) Bathroom Cleaner Complete Clean - 950 mL - Spring Waterfall - 0069807

59631-75933-7 - LYSOL® Brand (Kills 99.9% of Viruses & Bacteria) Bathroom Cleaner Complete Clean - 950 mL - Summer Fresh - 0079558

**Issue date** 21-May-2010

**Effective Date** 15-May-2010

**Expiry Date** 15-May-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.