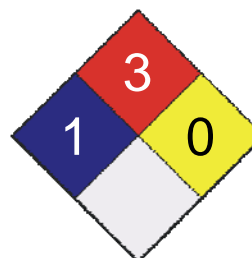


### 1. Product and Company Identification

**Product Name** Lysol Brand III Disinfectant Spray, All Scents (Aerosol) - Canadian  
**UPC CODES** Refer to section 16  
**CAS #** Mixture  
**Product Use** Disinfectant  
**Manufacturer** 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	3
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. 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**

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

**Eyes** Moderately irritating to the eyes.

**Skin** May cause 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 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.

**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
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
Ethanol	64-17-5	40 - 70
Petroleum gases, liquefied, sweetened	68476-86-8	5 - 10

---

## 4. First Aid Measures

---

### First aid procedures

<b>Eye contact</b>	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.
<b>Skin contact</b>	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.
<b>Inhalation</b>	Move victim to fresh air. If symptoms persist, obtain medical attention.
<b>Ingestion</b>	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 limit values

Ingredient(s)	Exposure limit values
---------------	-----------------------

---

Ethanol	<b>ACGIH-TLV</b> TWA: 1000 ppm
---------	-----------------------------------

---

Petroleum gases, liquefied, sweetened	<b>ACGIH-TLV</b> Not established
---------------------------------------	-------------------------------------

---

Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, salts with 1,2-benzisothiazol-3(2H)-one 1,1-dioxide (1:1)	<b>ACGIH-TLV</b> 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 & Chemical Properties

---

<b>Appearance</b>	Aerosol.
<b>Colour</b>	Clear, Water white
<b>Form</b>	Misty spray
<b>Odour</b>	Characteristic
<b>Odour threshold</b>	Not available
<b>Physical state</b>	Gas
<b>pH</b>	10.5
<b>Freezing point</b>	Not available
<b>Boiling point</b>	Not available
<b>Flash point</b>	18.6 °C (65.48 °F)
<b>Evaporation Rate</b>	Not available
<b>Flammability limits in air, lower, % by volume</b>	3.3
<b>Flammability Limits in Air, Upper, % by Volume</b>	19
<b>Vapour pressure</b>	756 - 825 kPa
<b>Vapour density</b>	Not available
<b>Specific gravity</b>	> 1
<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

---

## 10. Chemical Stability & Reactivity Information

---

<b>Chemical stability</b>	Stable under recommended storage conditions.
---------------------------	--

---

<b>Conditions to avoid</b>	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.
<b>Incompatible materials</b>	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.

## 11. Toxicological Information

### Component analysis - LC50

Ingredient(s)	LC50
Ethanol	31623 ppm rat
Petroleum gases, liquefied, sweetened	Not available
Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, salts with 1,2-benzisothiazol-3(2H)-one 1,1-dioxide (1:1)	Not available

### Component analysis - Oral LD50

Ingredient(s)	LD50
Ethanol	3450 mg/kg mouse; 7060 mg/kg rat
Petroleum gases, liquefied, sweetened	Not available
Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, salts with 1,2-benzisothiazol-3(2H)-one 1,1-dioxide (1:1)	Not available

### Effects of acute exposure

<b>Eye</b>	Moderately irritating to the eyes.
<b>Skin</b>	May cause irritation. Not a skin sensitizer based on test data.
<b>Inhalation</b>	Excessive intentional inhalation may cause respiratory tract irritation and central nervous system effects (headache, dizziness).
<b>Ingestion</b>	Not a normal route of exposure. May cause stomach distress, nausea or vomiting.

**Sensitisation** 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.

#### ACGIH - Threshold Limit Values - Carcinogens

Ethanol 64-17-5 A4 - Not Classifiable as a Human Carcinogen

#### IARC - Group 1 (Carcinogenic to Humans)

Ethanol 64-17-5 Monograph 96 [2007] (in alcoholic beverages)

**Mutagenicity** The finished product is not expected to have chronic health effects. Mutagenic effects were observed in somatic and reproductive cells of live animals (rats and mice) exposed to high oral doses of ethanol.

**Reproductive effects** The finished product is not expected to have chronic health effects. Non-hazardous by WHMIS criteria.

**Teratogenicity** The finished product is not expected to have chronic health effects. Animal studies demonstrate that ingestion of ethanol can cause embryotoxicity, teratogenicity and fetotoxicity in the presence of maternal toxicity.

## 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*: 12900 mg/L [flow-through] (30 days old); 96 Hr LC50 *Pimephales promelas*: 14.2 mg/L

#### 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 EC50 *Daphnia magna*: 9268 mg/L; 24 Hr EC50 *Daphnia magna*: 10800 mg/L

**Environmental effects** 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**

---

<b>Waste codes</b>	Not available
<b>Disposal instructions</b>	Dispose in accordance with all applicable regulations.
<b>Waste from residues / unused products</b>	Not available
<b>Contaminated packaging</b>	Not available

---

### **14. Transport 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.

**IMDG (Marine Transport)**

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

---

**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.

**Canada - WHMIS - Ingredient Disclosure List**

Ethanol	64-17-5	0.1 %
---------	---------	-------

**WHMIS classification**

Exempt - Registered product - (DIN 02279177)

**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)

---

## 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 CODES: Crisp Linen, 59631-34052 (350 gm.); Crisp Linen, 59631-79939 (28 gm.); Spring Waterfall, 59631-75571 (350 gm.); Green Apple, 59631-77786 (350 gm.); Crisp Berry, 59631-78002 (350 gm.); Country, 59631-34082 (350 gm.).

FORMULA NUMBER: 0081281 (1095-047) Crisp Linen; 0081280 (1095-046) Spring Waterfall; 0081283 (1095-048) Green Apple; 0081287 (1095-051) Crisp Berry; 0081285 (1095-051) Country.

ITEM CODE: 59631-34052

**Issue date**

06-Mar-2009

**Effective Date**

01-Mar-2009

**Expiry Date**

01-Mar-2012

**Prepared by**

Reckitt Benckiser Regulatory Department 800-333-3899