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 |

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

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

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>CAS #</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, salts with 1,2-benzisothiazol-3(2H)-one 1,1-dioxide (1:1)</td>
<td>68989-01-5</td>
<td>0.1 - 1</td>
</tr>
<tr>
<td>Ethanol</td>
<td>64-17-5</td>
<td>40 - 70</td>
</tr>
<tr>
<td>Petroleum gases, liquefied, sweetened</td>
<td>68476-86-8</td>
<td>5 - 10</td>
</tr>
</tbody>
</table>
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

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>Exposure limit values</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol</td>
<td>ACGIH-TLV</td>
</tr>
<tr>
<td></td>
<td>TWA: 1000 ppm</td>
</tr>
<tr>
<td>Petroleum gases, liquefied, sweetened</td>
<td>ACGIH-TLV</td>
</tr>
<tr>
<td></td>
<td>Not established</td>
</tr>
<tr>
<td>Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, salts with 1,2-benzisothiazol-3(2H)-one 1,1-dioxide (1:1)</td>
<td>ACGIH-TLV</td>
</tr>
<tr>
<td></td>
<td>Not established</td>
</tr>
</tbody>
</table>

**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

- **Appearance**
  - Aerosol.
- **Colour**
  - Clear, Water white
- **Form**
  - Misty spray
- **Odour**
  - Characteristic
- **Odour threshold**
  - Not available
- **Physical state**
  - Gas
- **pH**
  - 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
- **Vapour pressure**
  - 756 - 825 kPa
- **Vapour density**
  - Not available
- **Specific gravity**
  - > 1
- **Octanol/water coefficient**
  - Not available
- **Solubility (H2O)**
  - Complete
- **Auto-ignition temperature**
  - Not available
- **VOC (Weight %)**
  - Not available
- **Viscosity**
  - Not available
- **Percent volatile**
  - Not available

10. Chemical Stability & Reactivity Information

**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 polymerisation does not occur.

11. Toxicological Information

Component analysis - LC50

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol</td>
<td>31623 ppm rat</td>
</tr>
<tr>
<td>Petroleum gases, liquefied, sweetened</td>
<td>Not available</td>
</tr>
<tr>
<td>Quaternary ammonium compounds,</td>
<td>Not available</td>
</tr>
<tr>
<td>benzyl-C12-18-alkyldimethyl, salts with</td>
<td></td>
</tr>
<tr>
<td>1,2-benzisothiazol-3(2H)-one 1,1-dioxide (1:1)</td>
<td></td>
</tr>
</tbody>
</table>

Component analysis - Oral LD50

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

Effects of acute exposure

Eye
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.

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

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>Threshold</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol</td>
<td>64-17-5</td>
</tr>
<tr>
<td>A4 - Not Classifiable as a Human Carcinogen</td>
<td></td>
</tr>
</tbody>
</table>

IARC - Group 1 (Carcinogenic to Humans)

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>Threshold</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol</td>
<td>64-17-5</td>
</tr>
<tr>
<td>Monograph 96 [2007] (in alcoholic beverages)</td>
<td></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>EC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol</td>
<td>64-17-5</td>
</tr>
<tr>
<td>96 Hr LC50 Oncorhynchus mykiss: 12900 mg/L [flow-through] (30 days old); 96 Hr LC50 Pimephales promelas: 14.2 mg/L</td>
<td></td>
</tr>
</tbody>
</table>

Ecotoxicity - Microtox Data

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>EC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol</td>
<td>64-17-5</td>
</tr>
<tr>
<td>5 min EC50 Photobacterium phosphoreum: 35470 mg/L; 30 min EC50 Photobacterium phosphoreum: 34634 mg/L</td>
<td></td>
</tr>
</tbody>
</table>

Ecotoxicity - Water Flea Data

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>EC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol</td>
<td>64-17-5</td>
</tr>
<tr>
<td>48 Hr EC50 Daphnia magna: 9268 mg/L; 24 Hr EC50 Daphnia magna: 10800 mg/L</td>
<td></td>
</tr>
</tbody>
</table>

Environmental effects
Not available
Aquatic toxicity: Not available
Persistence and degradability: Not available
Bioaccumulation/accumulation: Not available
Partition coefficient: Not available
Mobility in environmental media: Not available
Chemical fate information: Not available
Other adverse effects: Not available

13. Disposal 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. 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
<table>
<thead>
<tr>
<th>Country(s) or region</th>
<th>Inventory Name</th>
<th>On Inventory (Yes/No)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Canada</td>
<td>Domestic Substances List (DSL)</td>
<td>No</td>
</tr>
<tr>
<td>Canada</td>
<td>Non-Domestic Substances List (NDSL)</td>
<td>Yes</td>
</tr>
</tbody>
</table>

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.
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