1. Product and Company Identification

Product Name: Lysol Brand® (Kills 99.9% of Viruses & Bacteria) Disinfecting Wipes, 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

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.

PRECAUTION: 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**: Direct contact with eyes will cause irritation.
- **Skin**: May cause skin irritation.
- **Inhalation**: None expected.
- **Ingestion**: Not orally toxic.


- **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

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>CAS #</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alkyl (40% C12, 50% C14, 10% C16) dimethyl benzyl ammonium chloride</td>
<td>Not Applicable</td>
<td>0.1 - 1</td>
</tr>
<tr>
<td>Ethanol</td>
<td>64-17-5</td>
<td>1 - 5</td>
</tr>
</tbody>
</table>

4. First Aid Measures

- **First aid procedures**
  - **Eye contact**: If eye contact occurs, flush thoroughly with water for 15 minutes. Get medical attention immediately.
  - **Skin contact**: Avoid prolonged contact with skin. In keeping with good hygienic practices, wash exposed areas thoroughly with soap and water.
  - **Inhalation**: None required under recommended use conditions. Remove to fresh air.
Ingestion
Rinse mouth with water. Contact a physician or poison control center if symptoms develop. NEVER give an unconscious person anything to ingest. Take label or product name number with you when seeking medical attention.

Notes to physician
Symptoms may be delayed.

General advice
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

<table>
<thead>
<tr>
<th>Flammable properties</th>
<th>Not flammable by WHMIS criteria.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Unsuitable extinguishing media: Not available</td>
</tr>
<tr>
<td>Protection of firefighters</td>
<td>Specific hazards arising from the chemical: Not available</td>
</tr>
<tr>
<td></td>
<td>Protective equipment for firefighters: Firefighters should wear full protective clothing including self contained breathing apparatus.</td>
</tr>
<tr>
<td>Hazardous combustion products</td>
<td>May include and are not limited to: Oxides of carbon. Oxides of nitrogen.</td>
</tr>
<tr>
<td>Explosion data</td>
<td>Sensitivity to mechanical impact: Not available</td>
</tr>
<tr>
<td></td>
<td>Sensitivity to static discharge: Not available</td>
</tr>
</tbody>
</table>

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 | Do not allow product to enter sewer or waterways. |
| Methods for cleaning up | Remove sources of ignition. Never return spills in original containers for re-use. |
| Other Information     | Pick up and discard towel. |

7. Handling and Storage

| Handling | CAUTION 
Causes eye and skin irritation. Wash hands after handling and before eating. Use good industrial hygiene practices in handling this material. |
| Storage  | 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. Unplug small appliances before cleaning. Not recommended for polished or bare wood floors. Not intended for personal hygiene. |

8. Exposure Controls / Personal Protection

<table>
<thead>
<tr>
<th>Exposure limit values</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ingredient(s)</td>
</tr>
<tr>
<td>Alkyl (40% C12, 50% C14, 10% C16) dimethyl benzyl ammonium chloride</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>Ethanol</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
</tbody>
</table>

| Engineering controls | General ventilation normally adequate. |
**Personal protective equipment**

**Eye/Face protection**
Avoid contact with eyes.
Emergency responders should wear full eye and face protection.

**Hand protection**
Wash hands after use.
Emergency responders should wear impermeable gloves.

**Skin and body protection**
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.

**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

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Appearance</strong></td>
<td>Liquid saturated on wipe</td>
</tr>
<tr>
<td><strong>Colour</strong></td>
<td>clear liquid</td>
</tr>
<tr>
<td><strong>Form</strong></td>
<td>Pre-moistened towelette.</td>
</tr>
<tr>
<td><strong>Odour</strong></td>
<td>Various</td>
</tr>
<tr>
<td><strong>Odour threshold</strong></td>
<td>Not available</td>
</tr>
<tr>
<td><strong>Physical state</strong></td>
<td>Not available</td>
</tr>
<tr>
<td><strong>pH</strong></td>
<td>6 - 8.5 (liquid)</td>
</tr>
<tr>
<td><strong>Freezing point</strong></td>
<td>Not available</td>
</tr>
<tr>
<td><strong>Boiling point</strong></td>
<td>Not available</td>
</tr>
<tr>
<td><strong>Pour point</strong></td>
<td>Not available</td>
</tr>
<tr>
<td><strong>Flash point</strong></td>
<td>&gt; 93.33 °C (&gt; 200 °F) (liquid) Tagliabue</td>
</tr>
<tr>
<td><strong>Evaporation Rate</strong></td>
<td>Not available</td>
</tr>
<tr>
<td><strong>Flammability limits in air, lower, % by volume</strong></td>
<td>Not available</td>
</tr>
<tr>
<td><strong>Flammability Limits in Air, Upper, % by Volume</strong></td>
<td>Not available</td>
</tr>
<tr>
<td><strong>Vapour pressure</strong></td>
<td>Not available</td>
</tr>
<tr>
<td><strong>Vapour density</strong></td>
<td>Not available</td>
</tr>
<tr>
<td><strong>Specific gravity</strong></td>
<td>0.97 (liquid)</td>
</tr>
<tr>
<td><strong>Octanol/water coefficient</strong></td>
<td>Not available</td>
</tr>
<tr>
<td><strong>Solubility (H2O)</strong></td>
<td>Wipe is not soluble</td>
</tr>
<tr>
<td><strong>Auto-ignition temperature</strong></td>
<td>Not available</td>
</tr>
</tbody>
</table>

---

### 10. Stability and Reactivity

**Chemical stability**
Stable under recommended storage conditions.

**Conditions to avoid**
DO NOT MIX WITH BLEACH or use in conjunction with other household products.
Heat, open flames, static discharge, sparks and other ignition sources.

**Incompatible materials**
Oxidizers.

**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.

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### 11. Toxicological Information

<table>
<thead>
<tr>
<th>Component analysis - LC50</th>
<th>LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Ingredient(s)</strong></td>
<td><strong>LC50</strong></td>
</tr>
<tr>
<td>Alkyl (40% C12, 50% C14, 10% C16) dimethyl benzyl ammonium chloride</td>
<td>Not available</td>
</tr>
<tr>
<td>Ethanol</td>
<td>31623 ppm rat</td>
</tr>
</tbody>
</table>
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

**Eye**
Direct contact with eyes will cause irritation.

**Skin**
May cause skin irritation.

**Inhalation**
None expected.

**Ingestion**
Not orally toxic.

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: A3 - Confirmed animal carcinogen with unknown relevance to humans.

**IARC - Group 1 (Carcinogenic to Humans)**
- Ethanol 64-17-5: Monograph 96 [in preparation] (in alcoholic beverages)

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

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

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

Synergistic Materials
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]

**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]

**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**
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.

**Waste from residues / unused products**
Not available

**Contaminated packaging**
Not available
## 14. Transport Information

### 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
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.

Product Registration: Registered with TPD, DIN 02246215

Canada - WHMIS - Ingredient Disclosure List
Ethanol 64-17-5 0.1 %

WHMIS classification
Exempt - Registered product - (DIN 02246215)

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.

Further information
59631-79857-2 - LYSOL® Brand (Kills 99.9% of Viruses & Bacteria) Disinfecting Wipes, All Scents - 70 ct - Citrus - 0059368

59631-75552-0 - LYSOL® Brand (Kills 99.9% of Viruses & Bacteria) Disinfecting Wipes, All Scents - 35 ct - Citrus - 0059368

59631-80963-6 - LYSOL® Brand (Kills 99.9% of Viruses & Bacteria) Disinfecting Wipes, All Scents - 35 ct - Crisp Linen - 0137891

59631-80964-3 - LYSOL® Brand (Kills 99.9% of Viruses & Bacteria) Disinfecting Wipes, All Scents - 70 ct - Crisp Linen - 0137891

59631-78071-3 - LYSOL® Brand (Kills 99.9% of Viruses & Bacteria) Disinfecting Wipes, All Scents - 35 ct - Green Apple - 0059370

59631-75553-7 - LYSOL® Brand (Kills 99.9% of Viruses & Bacteria) Disinfecting Wipes, All Scents - 35 ct - Spring Waterfall - 0059302

59631-79856-5 - LYSOL® Brand (Kills 99.9% of Viruses & Bacteria) Disinfecting Wipes, All Scents - 70 ct - Spring Waterfall - 0059302

Issue date 15-Jun-2010
Effective Date 15-Jun-2010
Expiry Date 15-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.