1. Product and Company Identification

Product Name: LYSOL® Disinfecting Wipes (all sizes, all scents)
CAS #: Mixture
Product Use: Disinfectant
Distributed by: Reckitt Benckiser (Canada) Inc.
1680 Tech Avenue Unit #2
Mississauga, ON L4W 5S9
In Case of Emergency: 1-800-338-6167
Transportation Emergencies: 24 Hour Number:
North America: CHEMTREC: 1-800-424-9300
Outside North America: 1-703-527-3887

<table>
<thead>
<tr>
<th>LEGEND</th>
<th>HMIS/NFPA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health</td>
<td>/ 1</td>
</tr>
<tr>
<td>Flammability</td>
<td>0</td>
</tr>
<tr>
<td>Physical Hazard</td>
<td>0</td>
</tr>
<tr>
<td>Personal Protection</td>
<td>A</td>
</tr>
</tbody>
</table>

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:
CAUTION
MAY CAUSE EYE IRRITATION. Avoid contact with eyes. Wash hands after use.

Potential short term health effects
- **Routes of exposure**
  - Eye, Skin contact, Inhalation, Ingestion.
  - May cause eye irritation.
  - None expected during normal conditions of use.
  - Not expected to be a skin sensitizer.
  - None expected during normal conditions of use.
  - Health injuries are not known or expected under normal use.
- **Target organs**
- **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.
- **Potential environmental effects**
  - See section 12.

3. Composition/Information on Ingredients

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>CAS #</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alkyl (50%C14, 40%C12, 10%C16) dimethyl benzyl ammonium chlorides</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**
  - 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**
  - Wash hands thoroughly after handling. If skin irritation persists, call a physician.
- **Inhalation**
  - Move to fresh air.
Ingestion

Rinse mouth with water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a physician or Poison Control Center IMMEDIATELY.

Notes to physician

Wipes are saturated with a solution containing less than 3% denatured ethyl alcohol.

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.

Follow label directions carefully.
Take container, label or product name and DIN Number with you when seeking medical attention.

5. Fire-fighting Measures

Flammable properties

The flashpoint of the liquid within this product is > 93.3°C (200°F) (Tagliabue).

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. Oxides of nitrogen.

 Explosion data

Sensitivity to mechanical impact: Not available

Sensitivity to static discharge: Not available

6. Accidental Release Measures

Personal precautions

Avoid contact with eyes. 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.

Environmental precautions

Do not discharge into lakes, streams, ponds or public waters.

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

Avoid contact with eyes.
Wash hands after handling and before eating.
Use good industrial hygiene practices in handling this material.
Food contact surfaces must be rinsed with potable water.
Not recommended for polished or bare wood floors.
Not intended for personal hygiene.

Storage

Store in original container out of reach of small children. Keep securely closed in a cool, well ventilated area. Do not reuse empty container. Rinse and discard or recycle. Do not store at temperatures above 120°F (49°C).

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.
8. Exposure Controls / Personal Protection

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>Exposure limit values</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alkyl (50%C14, 40%C12, 10%C16) dimethyl benzyl ammonium chlorides</td>
<td>ACGIH-TLV Not established</td>
</tr>
<tr>
<td>Ethanol</td>
<td>ACGIH-TLV</td>
</tr>
<tr>
<td></td>
<td>TWA: 1000 ppm</td>
</tr>
<tr>
<td></td>
<td>STEL: 1000 ppm</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.

9. Physical and Chemical Properties

- **Appearance**: Liquid saturated on wipe
- **Colour**: Clear liquid
- **Form**: Pre-moistened towelette
- **Odour**: Various
- **Odour threshold**: Not available
- **Physical state**: Not available
- **pH**: 10.5 (liquid)
- **Freezing point**: Not available
- **Boiling point**: Not available
- **Pour point**: Not available
- **Evaporation Rate**: Not available
- **Flash point**: > 93.33 °C (> 200 °F) (liquid) Tagliabue
- **Auto-ignition temperature**: Not available
- **Flammability limits in air, lower, % by volume**: Not available
- **Flammability Limits in Air, Upper, % by Volume**: Not available
- **Vapour pressure**: Not available
- **Vapour density**: Not available
- **Specific gravity**: 0.99 (liquid)
- **Octanol/water coefficient**: Not available
- **Solubility (H2O)**: Wipe is not soluble

10. Stability and Reactivity

- **Reactivity**: This product may react with strong oxidizing agents.
- **Possibility of hazardous reactions**: Hazardous polymerisation does not occur.
- **Chemical stability**: Stable under recommended storage conditions.
11. Toxicological Information

Component analysis - LC50

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

Component analysis - Oral LD50

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>LD50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alkyl (50%C14, 40%C12, 10%C16) dimethyl benzyl ammonium chlorides</td>
<td>426 mg/kg rat</td>
</tr>
<tr>
<td>Ethanol</td>
<td>3450 mg/kg mouse; 7060 mg/kg rat</td>
</tr>
</tbody>
</table>

Effects of acute exposure

<table>
<thead>
<tr>
<th>Component</th>
<th>Effect</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eye</td>
<td>May cause eye irritation.</td>
<td></td>
</tr>
<tr>
<td>Skin</td>
<td>None expected during normal conditions of use. Not expected to be a skin sensitizer.</td>
<td></td>
</tr>
<tr>
<td>Inhalation</td>
<td>None expected during normal conditions of use.</td>
<td></td>
</tr>
<tr>
<td>Ingestion</td>
<td>Health injuries are not known or expected under normal use.</td>
<td></td>
</tr>
<tr>
<td>Sensitisation</td>
<td>The finished product is not expected to have chronic health effects.</td>
<td></td>
</tr>
<tr>
<td>Chronic effects</td>
<td>The finished product is not expected to have chronic health effects.</td>
<td></td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>The finished product is not expected to have chronic health effects.</td>
<td></td>
</tr>
</tbody>
</table>

ACGIH - Threshold Limit Values - Carcinogens

<table>
<thead>
<tr>
<th>Substance</th>
<th>TLV</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol</td>
<td>64-17-5</td>
<td>A3 - Confirmed animal carcinogen with unknown relevance to humans.</td>
</tr>
</tbody>
</table>

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.

Name of Toxicologically Synergistic Products

Not available

12. Ecological Information

Ecotoxicity

Components of this product have been identified as having potential environmental concerns.

Ecotoxicity - Freshwater Fish - Acute Toxicity Data

<table>
<thead>
<tr>
<th>Substance</th>
<th>LC50</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol</td>
<td>64-17-5</td>
<td>96 Hr LC50 Oncorhynchus mykiss: 12.0 - 16.0 mL/L [static]; 96 Hr LC50 Pimephales promelas: &gt;100 mg/L [static]; 96 Hr LC50 Pimephales promelas: 13400 - 15100 mg/L [flow-through]</td>
</tr>
</tbody>
</table>

Ecotoxicity - Water Flea - Acute Toxicity Data

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC50</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol</td>
<td>64-17-5</td>
<td>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]</td>
</tr>
</tbody>
</table>

Persistence and degradability

Not available

Bioaccumulation/accumulation

Not available

Mobility in environmental media

Not available

Environmental effects

Not available

Aquatic toxicity

Not available

Partition coefficient

Not available

Chemical fate information

Not available

Other adverse effects

Not available
### 13. Disposal Considerations

**Disposal instructions**
- Dispose of wipe in trash after use.
- Throw used towelette in the trash. Do not re-use empty container. Rinse and dispose.
- Recycle where facilities exist.
- 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)**
- **UN/ID N.o.** Not applicable

**U.S. Department of Transportation (DOT): Classification**
- **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**
- **Classification:** Not regulated
  - Proper shipping name Not applicable
  - Status Not applicable
  - Packing group Not applicable

**IMDG (Marine Transport): Classification**
- **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 02359014

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

WHMIS classification
Exempt - Registered product - (DIN 02359014)

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>No</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
LYSOL® Disinfecting Wipes - Citrus 70, 80 ct. - 0314170 v1.0
LYSOL® Disinfecting Wipes - Crisp Linen 35, 70 ct. - 0318913 v1.0
LYSOL® Disinfecting Wipes - Green Apple 35 ct. - 0318901 v1.0
LYSOL® Disinfecting Wipes - Spring Waterfall 35, 70 ct. - 0209440 v2.0
LYSOL® Disinfecting Wipes XL - Citrus 24 ct. - 0314170 v1.0

Issue date 29-Feb-2012
Effective Date 01-Mar-2012
Expiry Date 01-Mar-2015
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.