1. Product and Company Identification

**Product Name**: Professional LYSOL® Brand III - Disinfectant Spray - All Scents (Aerosol) - USA

**UPC CODES**: Refer to section 16

**CAS #**: Mixture

**Product use**: Disinfectant

**Distributed by**: Reckitt Benckiser

Morris Corporate Center IV

399 Interpace Parkway

P.O. Box 225

Parsippany, NJ 07054-0225

In Case of Emergency: 1-800-228-4722

Transportation Emergencies: 24 Hour Number:

North America: CHEMTREC: 1-800-424-9300

Outside North America: 1-703-527-3887

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**2. Hazards Identification**

**Emergency overview**: This product is regulated by the US EPA as a disinfectant.

**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, edema, drying, defatting and cracking of the skin. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

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**3. Composition / Information on Ingredients**

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>CAS #</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol</td>
<td>64-17-5</td>
<td>40 - 60</td>
</tr>
<tr>
<td>Petroleum gases, liquefied, sweetened</td>
<td>68476-86-8</td>
<td>2.5 - 10</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>68989-01-5</td>
<td>0.1 - 1</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>ACGIH-TLV</th>
<th>OSHA-PEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol</td>
<td>TWA: 1000 ppm</td>
<td>TWA: 1000 ppm</td>
</tr>
<tr>
<td>Petroleum gases, liquefied, sweetened</td>
<td>Not established</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>Not established</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 and Chemical Properties

- **Appearance**
  Aerosol.

- **Color**
  Clear, Water white

- **Form**
  Misty spray

- **Odor**
  Characteristic

- **Odor 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

- **Vapor pressure**
  756 - 825 kPa

- **Vapor density**
  Not available

- **Specific gravity**
  > 1

- **Octanol/water coefficient**
  Not available

- **Solubility (H2O)**
  Complete

- **Auto-ignition temperature**
  Not available

- **VOC (Weight %)**
  Not available
10. Stability and Reactivity

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 polymerization 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, benzyl-C12-18-alkyldimethyl, salts with 1,2-benzisothiazol-3(2H)-one 1,1-dioxide (1:1)</td>
<td>Not available</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, benzyl-C12-18-alkyldimethyl, salts with 1,2-benzisothiazol-3(2H)-one 1,1-dioxide (1:1)</td>
<td>Not available</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.

Sensitization
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 |

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.
12. Ecological Information

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:>100mg/L [static]; 96 Hr LC50 Pimephales promelas:13400-15100 mg/L [flow-through]

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 LC50 Daphnia magna: 9268 mg/L; 24 Hr EC50 Daphnia magna:10800 mg/L

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

<table>
<thead>
<tr>
<th>US Federal regulations</th>
<th>This product is a &quot;Hazardous Chemical&quot; as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. EPA Registration No. - 777-99-675</th>
</tr>
</thead>
<tbody>
<tr>
<td>Occupational Safety and Health Administration (OSHA)</td>
<td>29 CFR 1910.1200 hazardous chemical Yes</td>
</tr>
<tr>
<td>Section 302 extremely hazardous substance</td>
<td>No</td>
</tr>
<tr>
<td>Section 311 hazardous chemical</td>
<td>Yes</td>
</tr>
<tr>
<td>Clean Air Act (CAA)</td>
<td>Not available</td>
</tr>
<tr>
<td>Clean Water Act (CWA)</td>
<td>Not available</td>
</tr>
</tbody>
</table>
State regulations

U.S. - Massachusetts - Right To Know List
Ethanol 64-17-5 Teratogen

U.S. - Minnesota - Hazardous Substance List
Ethanol 64-17-5 Present

U.S. - New Jersey - Right to Know Hazardous Substance List
Ethanol 64-17-5 sn 0844

U.S. - Pennsylvania - RTK (Right to Know) List
Ethanol 64-17-5 Present

U.S. - Rhode Island - Hazardous Substance List
Ethanol 64-17-5 Toxic; Flammable

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>United States &amp; Puerto Rico</td>
<td>Toxic Substances Control Act (TSCA) Inventory</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

Caution: Keep out of reach of children. Avoid contact with eyes and skin.

UPC CODES:

36241-04625-5 - Professional LYSOL® Brand III - Disinfectant Spray - Country Scent® -(19 oz);
36241-74828-9 - Professional LYSOL® Brand III - Disinfectant Spray - Crisp Linen® -(19 oz);
36241-04675-0 - Professional LYSOL® Brand III - Disinfectant Spray - Fresh - (19 oz);
36241-80571-5 - Professional LYSOL® Brand III - Disinfectant Spray - Garden Mist® - (19 oz);
36241-04650-7 - Professional LYSOL® Brand III - Disinfectant Spray - Original Scent - (19 oz);
36241-76075-5 - Professional LYSOL® Brand III - Disinfectant Spray - Spring Waterfall® - (19 oz)

FORMULA NUMBER:

0081285 - Country Scent®;
0081281 - Crisp Linen®;
0082445 - Fresh;
0081286 - Garden Mist®;
0081288 - Original Scent;
0081280 - Spring Waterfall®

Issue date 09-Jul-2010
Effective date 15-Jun-2009
Prepared by Reckitt Benckiser Regulatory Department 800-333-3899