MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Product Name: Lysol Brand III Disinfectant Spray, All Scents (Aerosol) - USA
UPC CODES: Refer to section 16
CAS #: Mixture
Product use: Disinfectant
Manufacturer: 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

2. Hazards Identification

Emergency overview
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, edema, 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>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</td>
<td>68989-01-5</td>
<td>0.1 - 1</td>
</tr>
<tr>
<td>1,2-benzisothiazol-3(2H)-one 1,1-dioxide (1:1)</td>
<td></td>
<td></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 Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol</td>
<td><strong>ACGIH-TLV</strong></td>
</tr>
<tr>
<td></td>
<td>TWA: 1000 ppm</td>
</tr>
<tr>
<td></td>
<td><strong>OSHA-PEL</strong></td>
</tr>
<tr>
<td></td>
<td>TWA: 1000 ppm</td>
</tr>
<tr>
<td>Petroleum gases, liquefied, sweetened</td>
<td><strong>ACGIH-TLV</strong></td>
</tr>
<tr>
<td></td>
<td>Not established</td>
</tr>
<tr>
<td></td>
<td><strong>OSHA-PEL</strong></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><strong>ACGIH-TLV</strong></td>
</tr>
<tr>
<td></td>
<td>Not established</td>
</tr>
<tr>
<td></td>
<td><strong>OSHA-PEL</strong></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 and Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Aerosol.</td>
</tr>
<tr>
<td>Color</td>
<td>Clear, Water white</td>
</tr>
<tr>
<td>Form</td>
<td>Misty spray</td>
</tr>
<tr>
<td>Odor</td>
<td>Characteristic</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>Not available</td>
</tr>
<tr>
<td>Physical state</td>
<td>Gas</td>
</tr>
<tr>
<td>pH</td>
<td>10.5</td>
</tr>
<tr>
<td>Freezing point</td>
<td>Not available</td>
</tr>
<tr>
<td>Boiling point</td>
<td>Not available</td>
</tr>
<tr>
<td>Flash point</td>
<td>18.6 °C (65.48 °F)</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>Not available</td>
</tr>
<tr>
<td>Flammability limits in air, lower, % by volume</td>
<td>3.3</td>
</tr>
<tr>
<td>Flammability limits in air, upper, % by volume</td>
<td>19</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>756 - 825 kPa</td>
</tr>
<tr>
<td>Vapor density</td>
<td>Not available</td>
</tr>
<tr>
<td>Specific gravity</td>
<td>&gt; 1</td>
</tr>
<tr>
<td>Octanol/water coefficient</td>
<td>Not available</td>
</tr>
<tr>
<td>Solubility (H2O)</td>
<td>Complete</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>Not available</td>
</tr>
<tr>
<td>VOC (Weight %)</td>
<td>Not available</td>
</tr>
</tbody>
</table>
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**

<table>
<thead>
<tr>
<th>Ethanol</th>
<th>64-17-5</th>
<th>A4 - Not Classifiable as a Human Carcinogen</th>
</tr>
</thead>
</table>

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

<table>
<thead>
<tr>
<th>Ethanol</th>
<th>64-17-5</th>
<th>Monograph 96 [2007] (in alcoholic beverages)</th>
</tr>
</thead>
</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.

**Teratogenicity**

The finished product is not expected to have chronic health effects. Animal studies demonstrate that ingestion of ethanol can cause embroyotoxicity, teratogenicity and fetotoxicity in the presence of maternal toxicity.
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:>100 mg/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.
### 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.</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>CERCLA (Superfund) reportable quantity</td>
<td>Ammonium hydroxide: 1000.0000 Sodium hydroxide: 1000.0000</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

WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

U.S. - California - 8 CCR Section 339 - Director's List of Hazardous Substances
Ethanol 64-17-5 Present (refers to solutions greater than or equal to 25% which are not beverage alcohols)

U.S. - California - Proposition 65 - Developmental Toxicity
Ethanol 64-17-5 developmental toxicity, initial date 10/1/87 (when in alcoholic beverages)

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:
- 19200-74186, 19200-79329, 19200-74185 - Crisp Linen - (12.5 oz., 19 oz., 6 oz.);
- 19200-79132 - "To Go" - Crisp Linen - (1 oz.);
- 19200-02845, 19200-79326 - Spring Waterfall - (12.5 oz., 19 oz.);
- 19200-81545, 19200-81546 - Citrus Meadows - (12.5 oz., 19 oz.);
- 19200-02822, 19200-79328 - Summer Breeze - (12.5 oz., 19 oz.);
- 19200-20833, 19200-20834 - Early Morning Breeze - (12.5 oz., 19 oz.);
- 19200-79481, 19200-79482 - Garden Mist - (12.5 oz., 19 oz.);
- 19200-02291, 19200-79325 - Original Scent - (12.5 oz., 19 oz.)

FORMULA NUMBER:
- 0081281 (1095-047) - Crisp Linen;
- 0088285 (1095-050) - "To Go" - Crisp Linen;
- 0081280 (1095-046) - Spring Waterfall;
- 0176000 (1338-128) - Citrus Meadows;
- 0081282 (1095-057) - Summer Breeze;
- 0084183 (1095-048) - Early Morning Breeze;
- 0081286 (1095-052) - Garden Mist;
- 0081288 (1095-058) - Original Scent

Issue date
24-Jun-2009

Effective date
15-Jun-2009

Prepared by
Reckitt Benckiser Regulatory Department 800-333-3899