1. Product and Company Identification

Product Name: LYSOL® Brand III Disinfectant Spray (all sizes, all scents)
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: 1-800-338-6167
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 the US EPA as a disinfectant. PRECAUTIONARY STATEMENTS: Hazards to humans and domestic animals. CAUTION Causes moderate eye irritation. Do not spray in eyes, on skin or on clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco. PHYSICAL HAZARDS: FLAMMABLE Contents under pressure. Keep away from heat, sparks and open flame. Do not puncture or incinerate container. Exposure to temperatures above 130°F may cause bursting.

KEEP OUT OF REACH OF CHILDREN.

Potential short term health effects
Routes of exposure
- Eye: Skin contact, Inhalation, Ingestion.
- Skin: Moderately irritating to the skin.
- Inhalation: None expected during normal conditions of use. However intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.
- Ingestion: Contains denatured ethyl alcohol. May be harmful if swallowed.

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.

OSHA Regulatory Status: This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Potential environmental effects: Components of this product have been identified as having potential environmental concerns.
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>Butane</td>
<td>106-97-8</td>
<td>2.5 - 10</td>
</tr>
<tr>
<td>Propane</td>
<td>74-98-6</td>
<td>1 - 2.5</td>
</tr>
<tr>
<td>Alkyl (40% C12, 50% C14, 10% C16) dimethyl benzyl ammonium saccharinate</td>
<td>Not Applicable</td>
<td>0 - 0.1</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**
Wash off immediately with soap and plenty of water for at least 15 minutes. All contaminated clothes and shoes are to be removed and washed before reuse. If symptoms persist, call a physician.

**Inhalation**
Move exposed person to fresh air. Get medical attention immediately.

**Ingestion**
If swallowed, call physician or Poison Control Centre immediately.

**Notes to physician**
Contains denatured ethanol; ingestion may result in ethanol poisoning. Symptoms may be delayed. Treat patient symptomatically.

**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.

NOTE TO PARENTS: Intentional misuse by deliberately concentrating and inhaling aerosol products may be harmful or fatal. Help stop inhalation abuse; for information visit www.inhalant.org.

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
Water spray. Dry chemical. Carbon dioxide.

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.

**Environmental precautions**
Prevent further leakage or spillage if safe to do so. Do not contaminate water.
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
Ensure adequate ventilation.
Wear appropriate personal protective equipment when handling this product.
Wash hands after handling and before eating.
Avoid contact with eyes, skin and clothing.
Do not ingest.
Avoid breathing vapors or mists of this product.
CONTENTS UNDER PRESSURE. DO NOT use in presence of open flame or spark. DO NOT puncture or incinerate container or store at temperatures over 50°C. DO NOT use on polished wood furniture, rayon fabrics, or acrylic plastics. Avoid contact with eyes and food. EXTREMELY FLAMMABLE
Contents under pressure.
Do not puncture or incinerate container.

Storage
Store in original container in areas inaccessible to small children.
STORE IN A COOL PLACE AND AWAY FROM DIRECT SUNLIGHT.
Keep away from heat, open flames or other sources of ignition.
Do not reuse container.
Do not puncture or incinerate container.

NOTE TO PARENTS: Intentional misuse by deliberately concentrating and inhaling aerosol products may be harmful or fatal. Help stop inhalation abuse; for information visit www.inhalant.org.

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>Exposure limits</th>
<th>Ingredient(s)</th>
<th>Exposure Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Alkyl (40% C12, 50% C14, 10% C16) dimethyl benzyl ammonium saccharinate</td>
<td>ACGIH-TLV Not established OSHA-PEL Not established</td>
</tr>
<tr>
<td></td>
<td>Butane</td>
<td>ACGIH-TLV</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA: 1000 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>OSHA-PEL</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Not established</td>
</tr>
<tr>
<td></td>
<td>Ethanol</td>
<td>ACGIH-TLV</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA: 1000 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>STEL: 1000 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>OSHA-PEL</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA: 1000 ppm</td>
</tr>
<tr>
<td></td>
<td>Propane</td>
<td>ACGIH-TLV</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA: 1000 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>OSHA-PEL</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA: 1000 ppm</td>
</tr>
</tbody>
</table>

Engineering controls
Provide adequate ventilation.

Personal protective equipment

Eye / face protection
Avoid contact with eyes. tightly fitting safety goggles
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. Where exposure guideline levels may be exceeded, use an approved NIOSH respirator. Respirator should be selected by and used under the direction of a trained health and safety professional following requirements found in OSHA's respirator standard (29 CFR 1910.134), CAN/CSA-Z94.4 and ANSI's standard for respiratory protection (Z88.2). 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

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Misty spray</td>
</tr>
<tr>
<td>Color</td>
<td>Clear</td>
</tr>
<tr>
<td>Form</td>
<td>Aerosol</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>10.8 - 11.8</td>
</tr>
<tr>
<td>Freezing point</td>
<td>Not available</td>
</tr>
<tr>
<td>Boiling point</td>
<td>Not available</td>
</tr>
<tr>
<td>Pour point</td>
<td>Not available</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>Not available</td>
</tr>
<tr>
<td>Flash point</td>
<td>78.08 °F (25.6 °C)</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>Not available</td>
</tr>
<tr>
<td>Flammability limits in air, lower, % by volume</td>
<td>Not available</td>
</tr>
<tr>
<td>Flammability limits in air, upper, % by volume</td>
<td>Not available</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>Not available</td>
</tr>
<tr>
<td>Vapor density</td>
<td>Not available</td>
</tr>
<tr>
<td>Specific gravity</td>
<td>0.882 @ 25°C (Concentrate)</td>
</tr>
<tr>
<td>Octanol/water coefficient</td>
<td>Not available</td>
</tr>
<tr>
<td>Solubility (H2O)</td>
<td>Complete</td>
</tr>
<tr>
<td>VOC (Weight %)</td>
<td>Not available</td>
</tr>
<tr>
<td>Viscosity</td>
<td>Not available</td>
</tr>
<tr>
<td>Percent volatile</td>
<td>Not available</td>
</tr>
</tbody>
</table>

10. Stability and Reactivity

Reactivity
This product may react with strong oxidizing agents.

Possibility of hazardous reactions
Hazardous polymerization does not occur.

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 freeze. Exposure to moisture.

Incompatible materials
Oxidizers.

Hazardous decomposition products
May include and are not limited to: Oxides of carbon.
11. Toxicological Information

<table>
<thead>
<tr>
<th>Component analysis - LC50</th>
<th>LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ingredient(s)</td>
<td></td>
</tr>
<tr>
<td>Alkyl (40% C12, 50% C14, 10% C16) dimethyl benzyl ammonium saccharinate</td>
<td>Not available</td>
</tr>
<tr>
<td>Butane</td>
<td>Not available</td>
</tr>
<tr>
<td>Ethanol</td>
<td>31623 ppm rat</td>
</tr>
<tr>
<td>Propane</td>
<td></td>
</tr>
<tr>
<td>Component analysis - Oral LD50</td>
<td></td>
</tr>
<tr>
<td>Ingredient(s)</td>
<td>LD50</td>
</tr>
<tr>
<td>Alkyl (40% C12, 50% C14, 10% C16) dimethyl benzyl ammonium saccharinate</td>
<td>Not available</td>
</tr>
<tr>
<td>Butane</td>
<td>Not available</td>
</tr>
<tr>
<td>Ethanol</td>
<td>3450 mg/kg mouse; 7060 mg/kg rat</td>
</tr>
</tbody>
</table>

**Effects of acute exposure**

- **Eye**: Causes moderate eye irritation.
- **Skin**: Moderately irritating to the skin.
- **Inhalation**: None expected during normal conditions of use.
  However intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.
- **Ingestion**: Contains denatured ethyl alcohol. May be harmful if swallowed.
- **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>Ingredient</th>
<th>Limit Value (mg/L)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol</td>
<td>64-17-5 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>Ingredient</th>
<th>LC50 (mg/L)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol</td>
<td>64-17-5</td>
</tr>
</tbody>
</table>

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 - Acute Toxicity Data**

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>LC50 (mg/L)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol</td>
<td>64-17-5</td>
</tr>
</tbody>
</table>

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]

**Persistence / 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
13. Disposal Considerations

| Disposal instructions | Dispose in accordance with all applicable regulations.  
|                       | Discard in trash or offer for recycling if available.  
| Waste from residues / unused products | Not available  
| Contaminated packaging | Not available  

14. Transport Information

U.S. Department of Transportation (DOT)

UN1950, Aerosols, flammable, Class 2.1 Re-Classed as Limited Quantity

Transportation of Dangerous Goods (TDG - Canada)

UN1950, Aerosols, flammable, Class 2.1 Re-Classed as Limited Quantity

IMDG (Marine Transport)

UN 1950, Aerosols, flammable, Class 2.1
UN 1950, Aerosols, Flammable, Limited Quantity or Consumer Commodity, ID 8000 if acceptable to airline.

### 15. Regulatory Information

<table>
<thead>
<tr>
<th>Occupational Safety and Health Administration (OSHA)</th>
<th>Yes</th>
</tr>
</thead>
<tbody>
<tr>
<td>29 CFR 1910.1200 hazardous chemical</td>
<td></td>
</tr>
</tbody>
</table>

**US Federal regulations**

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Product Registration: Registered with EPA, EPA Reg. No. 777-99

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

<table>
<thead>
<tr>
<th>Hazard categories</th>
<th>Immediate Hazard - Yes</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Delayed Hazard - Yes</td>
</tr>
<tr>
<td></td>
<td>Fire Hazard - Yes</td>
</tr>
<tr>
<td></td>
<td>Pressure Hazard - Yes</td>
</tr>
<tr>
<td></td>
<td>Reactivity Hazard - No</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Section 302 extremely hazardous substance</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Section 311 hazardous chemical</td>
<td>Yes</td>
</tr>
</tbody>
</table>

**Clean Air Act (CAA)**

Not available

**Clean Water Act (CWA)**

Not available
State regulations See below

U.S. - California - 8 CCR Section 339 - Director’s List of Hazardous Substances
Butane 106-97-8 Present

U.S. - Massachusetts - Right To Know List
Butane 106-97-8 Present
Ethanol 64-17-5 Teratogen
Propane 74-98-6 Present

U.S. - Minnesota - Hazardous Substance List
Butane 106-97-8 Present
Ethanol 64-17-5 Present
Propane 74-98-6 Simple asphyxiant

U.S. - New Jersey - Right to Know Hazardous Substance List
Butane 106-97-8 sn 0273
Ethanol 64-17-5 sn 0844
Propane 74-98-6 sn 1594

U.S. - Pennsylvania - RTK (Right to Know) List
Butane 106-97-8 Present
Ethanol 64-17-5 Present
Propane 74-98-6 Present

U.S. - Rhode Island - Hazardous Substance List
Butane 106-97-8 Toxic; Flammable
Ethanol 64-17-5 Toxic; Flammable
Propane 74-98-6 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
LYSOL® Brand III Disinfectant Spray - Crisp Linen - 6 oz, 12.5 oz, 19 oz, 350g - 0242193 v 1.0
LYSOL® Brand III Disinfectant Spray - "To Go" Crisp Linen - 1 oz, 28 g - 0242193 v 1.0
LYSOL® Brand III Disinfectant Spray - Spring Waterfall - 12.5 oz, 19 oz, 350g - 0258756 v 1.0
LYSOL® Brand III Disinfectant Spray - Crisp Berry - 12.5 oz, 19 oz, 350g - 0175938 v 1.0
LYSOL® Brand III Disinfectant Spray - Early Morning Breeze - 12.5 oz, 19 oz - 0175929 v 1.0
LYSOL® Brand III Disinfectant Spray - Garden Mist - 12.5 oz, 19 oz - 0175932 v 1.0
LYSOL® Brand III Disinfectant Spray - For Baby's Room - 12.5 oz, 19 oz - 0175923 v 1.0
LYSOL® Brand III Disinfectant Spray - Summer Breeze - 12.5 oz, 19 oz - 0175935 v 1.0
LYSOL® Brand III Disinfectant Spray - Citrus Meadows - 12.5 oz, 19 oz - 0175926 v 1.0
LYSOL® Brand III Disinfectant Spray - Vanillia & Blossoms - 12.5 oz, 19 oz - 0175943 v 1.0
LYSOL® Brand III Disinfectant Spray - Jasmine & Rain - 12.5 oz, 19 oz - 0175920 v 1.0

Issue date
17-May-2012
Effective date: 15-Mar-2012
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.