1. Product and Company Identification

Product Name: Lysol Brand® IV (Kills 99.9% of Viruses & Bacteria) Disinfecting Wipes Complete
Clean Dual Action, All Scents

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

LEGEND

<table>
<thead>
<tr>
<th>HMIS/NFPA</th>
<th>Health</th>
<th>Flammability</th>
<th>Physical Hazard</th>
<th>Personal Protection</th>
</tr>
</thead>
<tbody>
<tr>
<td>Severe</td>
<td>4</td>
<td>1</td>
<td>0</td>
<td>A</td>
</tr>
<tr>
<td>Serious</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Moderate</td>
<td>2</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Slight</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Minimal</td>
<td>0</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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. Avoid contact with 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.
- May cause eye irritation.

Skin
- None expected during normal conditions of use.
- Not expected to be a skin sensitizer.

Inhalation
- None expected during normal conditions of use.

Ingestion
- Health injuries are not known or expected under normal use.
- Ingestion is unlikely through the normal anticipated use of this product.
- Ingestion of liquid from pre-wetted fabric wipes may result in ethanol poisoning, contains denatured ethanol.


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

Signs and symptoms: Symptoms may include redness, edema, 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>Ethanol</td>
<td>64-17-5</td>
<td>2.5 - 10</td>
</tr>
<tr>
<td>Alkyl (50%C14, 40%C12, 10%C16) dimethyl benzyl ammonium chlorides</td>
<td>Not Applicable</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**: Wash with soap and water after handling.
- **Inhalation**: Move to fresh air.
- **Ingestion**: Not a likely route of exposure. Product is a non-woven fabric cloth impregnated with a disinfectant solution for surface cleaning. If ingestion does occur by licking the wipe or other means, contact a physician or a Poison Control Center.

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.

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.

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.

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).
Food contact surfaces must be rinsed with potable water.
Not recommended for polished or bare wood floors.
Not intended for personal hygiene.

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 Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alkyl (50%C14, 40%C12, 10%C16) dimethyl benzyl ammonium chlorides</td>
<td>ACGIH-TLV</td>
</tr>
<tr>
<td></td>
<td>Not established</td>
</tr>
<tr>
<td></td>
<td>OSHA-PEL</td>
</tr>
<tr>
<td></td>
<td>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>
<tr>
<td></td>
<td>OSHA-PEL</td>
</tr>
<tr>
<td></td>
<td>TWA: 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

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Liquid saturated on wipe</td>
</tr>
<tr>
<td>Color</td>
<td>clear liquid</td>
</tr>
<tr>
<td>Form</td>
<td>Pre-moistened towelette.</td>
</tr>
<tr>
<td>Odor</td>
<td>Various</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>Not available</td>
</tr>
<tr>
<td>Physical state</td>
<td>Not available</td>
</tr>
<tr>
<td>pH</td>
<td>7 (Liquid)</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>&gt; 200 °F (&gt; 93.33 °C) (Liquid) Tagliabue</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>1 (Liquid)</td>
</tr>
<tr>
<td>Octanol/water coefficient</td>
<td>Not available</td>
</tr>
<tr>
<td>Solubility (H2O)</td>
<td>Wipe is not soluble</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 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>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

Eye: May cause eye irritation.

Skin: None expected during normal conditions of use. Not expected to be a skin sensitizer.

Inhalation: None expected during normal conditions of use.

Ingestion:
Health injuries are not known or expected under normal use. Ingestion is unlikely through the normal anticipated use of this product. Ingestion of liquid from pre-wetted fabric wipes may result in ethanol poisoning, contains denatured ethanol.

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>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol</td>
<td>64-17-5</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.

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

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol</td>
<td>64-17-5</td>
</tr>
</tbody>
</table>

Ecotoxicity - Water Flea Data

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol</td>
<td>64-17-5</td>
</tr>
</tbody>
</table>

Environmental effects
Not available

Aquatic toxicity
Not available

Persistence / degradability
Not available

Bioaccumulation / accumulation
Not available

Partition coefficient
Not available
13. Disposal Considerations

**Waste codes**
Not available

**Disposal instructions**
Dispose of wipe in trash after use. Do not reuse empty container. Rinse container and offer for recycling where facilities exist. Dispose in accordance with all applicable regulations.

**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
15. Regulatory Information

**US Federal regulations**

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. CERCLA/SARA Hazardous Substances - Not applicable.

**Product Registration:** Registered with EPA, EPA Reg. No. 777-68

**Occupational Safety and Health Administration (OSHA)**

29 CFR 1910.1200 hazardous chemical  Yes

**CERCLA (Superfund) reportable quantity**

None

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

- Hazard categories
  - Immediate Hazard - Yes
  - Delayed Hazard - No
  - Fire Hazard - No
  - Pressure Hazard - No
  - Reactivity Hazard - No
- Section 302 extremely hazardous substance  No
- Section 311 hazardous chemical  Yes

**Clean Air Act (CAA)**

Not available

**Clean Water Act (CWA)**

Not available

**State regulations**

This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

**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**
- 19200-81143-9 - LYSOL® Brand IV (Kills 99.9% of Viruses & Bacteria) Disinfecting Wipes Complete Clean Dual Action, All Scents - 35 ct - Citrus - 0169916
- 19200-81700-4 - LYSOL® Brand IV (Kills 99.9% of Viruses & Bacteria) Disinfecting Wipes Complete Clean Dual Action, All Scents - 75 ct - Citrus - 0169916
- 19200-82050-9 - LYSOL® Brand IV (Kills 99.9% of Viruses & Bacteria) Disinfecting Wipes Complete Clean Dual Action, All Scents - 35 ct - Crisp Linen - 0176860

**Issue date**
09-Jul-2010

**Effective date**
30-Jun-2010

**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.