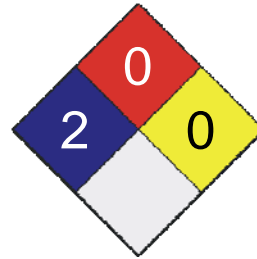


## 1. Product and Company Identification

**Product Name** Professional LYSOL® Antibacterial Kitchen Cleaner (Ready-to-use)  
**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<br>HMIS/NFPA |   |
|---------------------|---|
| Severe              | 4 |
| Serious             | 3 |
| Moderate            | 2 |
| Slight              | 1 |
| Minimal             | 0 |

|                     |     |
|---------------------|-----|
| Health              | / 2 |
| Flammability        | 0   |
| Physical Hazard     | 0   |
| Personal Protection | B   |



## 2. Hazards Identification

### Emergency overview

This product is regulated by the US EPA as a disinfectant.

PRECAUTIONARY STATEMENTS: Hazards to humans and domestic animals.

#### WARNING

Causes substantial but temporary eye injury. Do not get in eyes, on skin or on clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

KEEP OUT OF REACH OF CHILDREN.

### Potential short term health effects

#### Routes of exposure

Eye, Skin contact, Inhalation, Ingestion.

#### Eyes

May cause eye irritation.

#### Skin

Non-irritating to the skin.  
Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

#### Inhalation

Not toxic by inhalation.

#### Ingestion

Not orally toxic.

### Target organs

Skin. Eyes.

### 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. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

### 3. Composition / Information on Ingredients

| Ingredient(s)  | CAS #          | Percent |
|--|----------------|---------|
| Dipropylene glycol monobutyl ether   | 29911-28-2     | 0.1 - 1 |
| Alkyl (50%C14, 40%C12, 10%C16) dimethyl benzyl ammonium chlorides                | Not Applicable | 0 - 0.1 |
| Alkyl (67% C12, 25% C14, 7%C16, 1%C8-C10-C18) dimethyl benzyl ammonium chlorides | Not Applicable | 0 - 0.1 |

### 4. First Aid Measures

#### First aid procedures

|                     |   |
|---------------------|---|
| <b>Eye contact</b>  | 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. |
| <b>Skin contact</b> | In keeping with good hygienic practices, wash exposed areas thoroughly with soap and water.   |
| <b>Inhalation</b>   | Remove to fresh air.  |
| <b>Ingestion</b>    | Rinse mouth with water. Contact a physician or poison control center if symptoms develop. NEVER give an unconscious person anything to ingest.  |

#### Notes to physician

Symptoms may be delayed.

#### General advice

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.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

### 5. Fire Fighting Measures

|   |   |
|---|---|
| <b>Flammable properties</b>                       | Not flammable by OSHA criteria.   |
| <b>Extinguishing media</b>                        |   |
| <b>Suitable extinguishing media</b>               | Water spray. Foam. Dry chemical. Carbon dioxide.  |
| <b>Unsuitable extinguishing media</b>             | Not available   |
| <b>Protection of firefighters</b>                 |   |
| <b>Specific hazards arising from the chemical</b> | Not available   |
| <b>Protective equipment for firefighters</b>      | Firefighters should wear full protective clothing including self contained breathing apparatus. |
| <b>Hazardous combustion products</b>              | May include and are not limited to: Oxides of nitrogen. Oxides of carbon.                       |
| <b>Explosion data</b>                             |   |
| <b>Sensitivity to mechanical impact</b>           | Not available   |
| <b>Sensitivity to static discharge</b>            | Not available   |

### 6. Accidental Release Measures

|                                |   |
|--------------------------------|---|
| <b>Personal precautions</b>    | 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.   |
| <b>Methods for containment</b> | Stop leak if you can do so without risk. Prevent entry into waterways, sewers, basements or confined areas.   |
| <b>Methods for cleaning up</b> | Before attempting clean up, refer to hazard data given above. Small spills may be absorbed with non-reactive absorbent and placed in suitable, covered, labelled containers. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice. Never return spills in original containers for re-use. |

### 7. Handling and Storage

|                 |   |
|-----------------|---|
| <b>Handling</b> | CAUTION<br>May cause eye irritation. Avoid contact with eyes.<br>Use good industrial hygiene practices in handling this material. When using do not eat or drink. |
|-----------------|---|

**Storage**

Keep in properly labelled containers.  
Store in original container in a cool, secure area inaccessible to children and pets.

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

## 8. Exposure Controls / Personal Protection

**Exposure limits**

| Ingredient(s)  | Exposure Limits   |
|--|---|
| Alkyl (50%C14, 40%C12, 10%C16) dimethyl benzyl ammonium chlorides                | <b>ACGIH-TLV</b><br>Not established<br><b>OSHA-PEL</b><br>Not established |
| Alkyl (67% C12, 25% C14, 7%C16, 1%C8-C10-C18) dimethyl benzyl ammonium chlorides | <b>ACGIH-TLV</b><br>Not established<br><b>OSHA-PEL</b><br>Not established |
| Dipropylene glycol monobutyl ether   | <b>ACGIH-TLV</b><br>Mist: 10 mg/m3<br><b>OSHA-PEL</b><br>Not established  |

**Engineering controls**

General ventilation normally adequate.

**Personal protective equipment****Eye / face protection**

Avoid contact with eyes.  
When handling in large quantities or responding to emergency situations, the use of appropriate eye protection is recommended.  
Emergency responders should wear full eye and face protection.

**Hand protection**

For sensitive skin or prolonged use, wear rubber gloves.  
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**

No special requirements 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

|                                  |                                   |
|----------------------------------|-----------------------------------|
| <b>Appearance</b>                | Clear.                            |
| <b>Color</b>                     | Water white                       |
| <b>Form</b>                      | aqueous solution                  |
| <b>Odor</b>                      | Citrus                            |
| <b>Odor threshold</b>            | Not available                     |
| <b>Physical state</b>            | Liquid                            |
| <b>pH</b>                        | 11.3 (Basic)                      |
| <b>Freezing point</b>            | Not available                     |
| <b>Boiling point</b>             | Not available                     |
| <b>Pour point</b>                | Not available                     |
| <b>Evaporation rate</b>          | Not available                     |
| <b>Flash point</b>               | > 199.94 °F (> 93.3 °C) Tagliabue |
| <b>Auto-ignition temperature</b> | Not available                     |

|   |                 |
|---|-----------------|
| <b>Flammability limits in air, lower, % by volume</b> | Not available   |
| <b>Flammability limits in air, upper, % by volume</b> | Not available   |
| <b>Vapor pressure</b>                                 | Not available   |
| <b>Vapor density</b>                                  | Not available   |
| <b>Specific gravity</b>                               | 1.0 (Water = 1) |
| <b>Octanol/water coefficient</b>                      | Not available   |
| <b>Solubility (H2O)</b>                               | Complete        |

## 10. Stability and Reactivity

|   |   |
|---|---|
| <b>Chemical stability</b>                 | Stable under recommended storage conditions.  |
| <b>Conditions to avoid</b>                | DO NOT MIX WITH BLEACH or use in conjunction with other household products. Excessive heat. |
| <b>Incompatible materials</b>             | Acids. Oxidizers.   |
| <b>Hazardous decomposition products</b>   | May include and are not limited to: Oxides of nitrogen. Oxides of carbon.                   |
| <b>Possibility of hazardous reactions</b> | Hazardous polymerization does not occur.  |

## 11. Toxicological Information

### Component analysis - LC50

| Ingredient(s)  | LC50          |
|--|---------------|
| Alkyl (50%C14, 40%C12, 10%C16) dimethyl benzyl ammonium chlorides                | Not available |
| Alkyl (67% C12, 25% C14, 7%C16, 1%C8-C10-C18) dimethyl benzyl ammonium chlorides | Not available |
| Dipropylene glycol monobutyl ether   | Not available |

### Component analysis - Oral LD50

| Ingredient(s)  | LD50           |
|--|----------------|
| Alkyl (50%C14, 40%C12, 10%C16) dimethyl benzyl ammonium chlorides                | 426 mg/kg rat  |
| Alkyl (67% C12, 25% C14, 7%C16, 1%C8-C10-C18) dimethyl benzyl ammonium chlorides | Not available  |
| Dipropylene glycol monobutyl ether   | 3700 mg/kg rat |

### Effects of acute exposure

|                              |  |
|------------------------------|--|
| <b>Eye</b>                   | May cause eye irritation.  |
| <b>Skin</b>                  | Non-irritating to the skin.<br>Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. |
| <b>Inhalation</b>            | Not toxic by inhalation.   |
| <b>Ingestion</b>             | Not orally toxic.  |
| <b>Sensitization</b>         | Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.                                |
| <b>Chronic effects</b>       | The finished product is not expected to have chronic health effects.   |
| <b>Carcinogenicity</b>       | The finished product is not expected to have chronic health effects.   |
| <b>Mutagenicity</b>          | The finished product is not expected to have chronic health effects.   |
| <b>Reproductive effects</b>  | The finished product is not expected to have chronic health effects.   |
| <b>Teratogenicity</b>        | The finished product is not expected to have chronic health effects.   |
| <b>Synergistic Materials</b> | Not available  |

## 12. Ecological Information

**Ecotoxicity** See below

### Ecotoxicity - Freshwater Fish Species Data

Dipropylene glycol monobutyl ether 29911-28-2 96 Hr LC50 Poecilia reticulata: 841 mg/L [static]

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

### 13. Disposal Considerations

|  |  |
|--|--|
| <b>Waste codes</b>                           | Not available  |
| <b>Disposal instructions</b>                 | Dispose in accordance with all applicable regulations.<br>PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance. |
| <b>Waste from residues / unused products</b> | Not available  |
| <b>Contaminated packaging</b>                | Not available  |

### 14. Transport Information

|   |                |
|---|----------------|
| <b>UN/ID N.o.</b>   | Not applicable |
| <b>U.S. Department of Transportation (DOT): Classification:</b> Not regulated |                |
| <b>Proper shipping name</b>   | Not applicable |
| <b>U.S. DOT Hazard Class</b>  | Not applicable |
| <b>Subsidiary Risk</b>  | Not applicable |
| <b>Packing group</b>  | Not applicable |
| <b>DOT RQ (lbs)</b>   | Not applicable |
| <b>ERG NO</b>   | Not applicable |

**Transportation of Dangerous Goods (TDG - Canada): Classification:** Not regulated

|                             |                |
|-----------------------------|----------------|
| <b>Proper shipping name</b> | Not applicable |
| <b>Status</b>               | Not applicable |
| <b>Packing group</b>        | Not applicable |

**IMDG (Marine Transport): Classification:** Not regulated

|                             |                |
|-----------------------------|----------------|
| <b>Proper shipping name</b> | Not applicable |
| <b>Class</b>                | Not applicable |
| <b>Subsidiary Risk</b>      | Not applicable |
| <b>Packing group</b>        | Not applicable |
| <b>IMDG Page</b>            | Not applicable |
| <b>Marine pollutant</b>     | Not applicable |
| <b>EMS</b>                  | Not applicable |
| <b>MFAG</b>                 | Not applicable |
| <b>Maximum Quantity</b>     | Not applicable |

**IATA/ICAO (Air): Classification:** Not regulated

|                             |                |
|-----------------------------|----------------|
| <b>Proper shipping name</b> | Not applicable |
| <b>Class</b>                | Not applicable |
| <b>Subsidiary Risk:</b>     | Not applicable |
| <b>Packing group</b>        | Not applicable |
| <b>Maximum Quantity</b>     | Not applicable |

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## 15. Regulatory Information

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**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. 777-66-675

**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** Not applicable.

**Inventory status**

| <b>Country(s) or region</b> | <b>Inventory name</b>                         | <b>On inventory (yes/no)*</b> |
|-----------------------------|---|-------------------------------|
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory | Yes                           |

A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

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## 16. Other Information

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|                            |   |
|----------------------------|---|
| <b>Disclaimer</b>          | 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. |
| <b>Further information</b> | 36241-74411-3 - Professional LYSOL® Antibacterial Kitchen Cleaner (Ready-to-use) - 32 oz. - 373200  |
| <b>Issue date</b>          | 09-Jul-2010   |
| <b>Effective date</b>      | 30-Jun-2010   |
| <b>Prepared by</b>         | Reckitt Benckiser Regulatory Department 800-333-3899  |
| <b>Other information</b>   | For an updated MSDS, please contact the supplier/manufacturer listed on the first page of the document.   |