

1. Product and Company Identification

Product Name Lysol® Brand (Kills 99.9% of Viruses & Bacteria) Bathroom Cleaner Complete Clean

UPC CODES Refer to section 16

CAS # Mixture

Product use Bathroom cleaner and 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 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 or on clothing. Wear protective eyewear (goggles or face shield). Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using toilet. Remove and wash contaminated clothing before reuse.

KEEP OUT OF REACH OF CHILDREN.

Potential short term health effects

Routes of exposure

Eye, Skin contact, Inhalation, Ingestion.

Eyes

Eye irritant.

Skin

May cause skin irritation.
 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.

Target organs

Eyes. Skin.

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 | 2.5 - 10 |
| Acetic acid, hydroxy- | 79-14-1 | 1 - 2.5 |
| Citric Acid | 77-92-9 | 1 - 2.5 |

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 | If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15–20 minutes. Call a poison control centre or doctor for treatment advice. |
| Inhalation | Move to fresh air. |
| Ingestion | Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. DO NOT induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person. |

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.

5. Fire Fighting Measures

| | |
|---|---|
| Flammable properties | Not flammable by OSHA criteria. |
| 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. |
| 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 | 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. 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

| | |
|-----------------|---|
| Handling | Use this product with adequate ventilation. Avoid contact with eyes and skin. Use good industrial hygiene practices in handling this material. When using do not eat or drink. |
| Storage | Keep out of reach of children. Store in a cool dry place inaccessible to children and pets. |

8. Exposure Controls / Personal Protection

| Exposure limits | |
|---------------------------------------|---|
| Ingredient(s) | Exposure Limits |
| Acetic acid, hydroxy- | ACGIH-TLV Not established OSHA-PEL Not established |
| Citric Acid | ACGIH-TLV TWA: 10 mg/m ³ OSHA-PEL TWA: 10 mg/m ³ |
| Dipropylene glycol monobutyl ether | ACGIH-TLV Mist: 10 mg/m ³ OSHA-PEL Not established |
| Engineering controls | General ventilation normally adequate. |
| Personal protective equipment | |
| Eye / face protection | Wear safety glasses with side shields. Emergency responders should wear full eye and face protection. |
| Hand protection | Wear impervious gloves where the potential for contact with the liquid is possible. Emergency responders should wear impermeable gloves. |
| Skin and body protection | Usual safety precautions while handling the product will provide adequate protection against injury or irritation. Follow label directions carefully. |
| 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

| | |
|-----------------------|---------------------------------|
| Appearance | Spray |
| Color | Clear Water white |
| Form | Liquid |
| Odor | Characteristic |
| Odor threshold | Not available |
| Physical state | Liquid |
| pH | 1.8 - 2.2 (Acidic) |
| Freezing point | Not available |
| Pour point | Not available |
| Boiling point | Not available |
| Flash point | > 200 °F (> 93.33 °C) Tagliabue |

| | |
|--|----------------------|
| Evaporation rate | Not available |
| Flammability limits in air, lower, % by volume | Not available |
| Flammability limits in air, upper, % by volume | Not available |
| Vapor pressure | Not available |
| Vapor density | Not available |
| Specific gravity | 1.015 - 1.025 @ 25°C |
| Octanol/water coefficient | Not available |
| Solubility (H2O) | Complete |
| Auto-ignition temperature | Not available |
| VOC (Weight %) | Not available |
| Viscosity | Not available |
| Percent volatile | Not available |

10. Stability and Reactivity

| | |
|---|--|
| Chemical stability | Stable under recommended storage conditions. |
| Conditions to avoid | Excessive heat. DO NOT MIX WITH BLEACH or use in conjunction with other household products. |
| Incompatible materials | Caustics. Acids. 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

| Ingredient(s) | LC50 |
|------------------------------------|-----------------|
| Acetic acid, hydroxy- | 7.7 mg/l/4h rat |
| Citric Acid | Not available |
| Dipropylene glycol monobutyl ether | Not available |

Component analysis - Oral LD50

| Ingredient(s) | LD50 |
|------------------------------------|---------------------------------------|
| Acetic acid, hydroxy- | 1950 mg/kg rat; 1920 mg/kg guinea pig |
| Citric Acid | 5040 mg/kg mouse; 3000 mg/kg rat |
| Dipropylene glycol monobutyl ether | 3700 mg/kg rat |

Effects of acute exposure

| | |
|------------------------------|--|
| Eye | Eye irritant. |
| Skin | May cause skin irritation. 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. |
| 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. |
| 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 Because of the low pH of this product, it would be expected to produce significant ecotoxicity upon exposure to aquatic organisms and aquatic systems. Bulk quantities, if spilled, may be toxic to aquatic organisms, fish, birds and mammals. Control and clean up all exterior spills and prevent liquid from entering any streams, rivers, lakes and all other bodies of water.

Ecotoxicity - Freshwater Fish Species Data

| | | |
|------------------------------------|------------|--|
| Acetic acid, hydroxy- | 79-14-1 | 96 Hr LC50 Brachydanio rerio: >5000 mg/L [static] |
| Citric Acid | 77-92-9 | 96 Hr LC50 Lepomis macrochirus: 1516 mg/L [static] |
| Dipropylene glycol monobutyl ether | 29911-28-2 | 96 Hr LC50 Poecilia reticulata: 841 mg/L [static] |

Ecotoxicity - Water Flea Data

| | | |
|-------------|---------|------------------------------------|
| Citric Acid | 77-92-9 | 72 Hr EC50 Daphnia magna: 120 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 Empty container can be disposed of as household trash or rinsed and recycled where appropriate.

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

IATA/ICAO (Air): Classification: Not regulated

Proper shipping name Not applicable

Class Not applicable

Subsidiary Risk: Not applicable

Packing group 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. 777-71

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.

Inventory status

| Country(s) or region | Inventory name | On inventory (yes/no)* |
|-----------------------------|---|------------------------|
| 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)

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 19200-02699-4 - LYSOL® Brand (Kills 99.9% of Viruses & Bacteria) Bathroom Cleaner Complete Clean - 32 oz. - Island Breeze - 0069807

19200-77660-8 - LYSOL® Brand (Kills 99.9% of Viruses & Bacteria) Bathroom Cleaner Complete Clean - 32 oz. - Sunshine Fresh -0079554

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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.