

1. Product and Company Identification

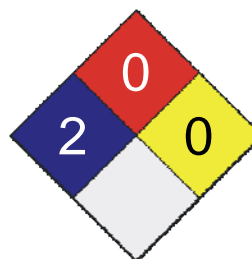
Product Name LYSOL® Disinfectant Power Bathroom Cleaner (Trigger) - All Scents
CAS # Mixture
This MSDS is designed for workplace employees, emergency personnel and for other conditions and situations where there is a greater potential for large-scale or prolonged exposure, in accordance with requirements of the Canadian Workplace Hazardous Materials Information System (WHMIS).
This MSDS is not applicable for consumer use of our products. For consumer use, all precautionary and first aid language is provided on the product label in accordance with the applicable government regulation.

Product Use Bathroom cleaner and Disinfectant

Distributed by Reckitt Benckiser (Canada) Inc.
 1680 Tech Avenue Unit #2
 Mississauga, ON L4W 5S9
 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

| 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 Health Canada as a disinfectant. Extensive testing has been completed to show that it is safe and effective when used as directed.
CAUTION
CAUSES EYE IRRITATION. Do not get in eyes, on skin or on clothing. Wash thoroughly with soap and water after handling.

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, oedema, drying, defatting and cracking of the skin.
 Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

Potential environmental effects See section 12.

3. Composition/Information on Ingredients

| Ingredient(s) | CAS # | Percent |
|------------------------------------|------------|---------|
| Hydroxyacetic acid | 79-14-1 | 1 - 5 |
| Dipropylene glycol monobutyl ether | 29911-28-2 | 1 - 5 |
| Citric acid | 77-92-9 | 1 - 5 |

4. First Aid Measures

First aid procedures

| | |
|---------------------|---|
| Eye contact | If in eyes, immediately flush eyes thoroughly with water, remove any contact lenses, and continue to flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs. |
| Skin contact | Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. |
| Inhalation | Move to fresh air. If symptoms develop, obtain medical attention. |
| Ingestion | If ingested, DO NOT induce vomiting. Call a physician or Poison Control Centre immediately. Rinse mouth out with water. |

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 WHMIS 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.

Environmental precautions

Do not discharge into lakes, streams, ponds or public waters. Advise authorities if product has penetrated drains, sewers or water pipes.

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

Ensure adequate ventilation.
Avoid contact with eyes and skin.
Use good industrial hygiene practices in handling this material.
When using do not eat or drink.
Do not reuse the empty container.
Wash thoroughly after handling.

Storage

Keep out of reach of children.
Store in areas inaccessible to small children. Keep securely closed.

8. Exposure Controls / Personal Protection

Exposure limit values

| Ingredient(s) | Exposure limit values |
|------------------------------------|--|
| Citric acid | ACGIH-TLV Not established |
| Dipropylene glycol monobutyl ether | ACGIH-TLV Mist: 10 mg/m ³ |
| Hydroxyacetic acid | ACGIH-TLV Not established |

Engineering controls

General ventilation normally adequate.

Personal protective equipment

Consult the product label for special protection or precautions that have been identified for using this product under directed consumer use conditions. The following recommendations are given for workplace employees, emergency personnel and for other conditions and situations where there is a greater potential for large-scale or prolonged exposure.

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 |
| Colour | Clear Water white |
| Form | Liquid |
| Odour | Various |
| Odour threshold | Not available |
| Physical state | Liquid |
| pH | 1.8 - 2.2 (Acidic) |
| Freezing point | Not available |
| Boiling point | Not available |
| Pour point | Not available |
| Evaporation Rate | Not available |
| Flash point | > 93.33 °C (> 200 °F) Tagliabue |
| Auto-ignition temperature | Not available |
| Flammability limits in air, lower, % by volume | Not available |
| Flammability Limits in Air, Upper, % by Volume | Not available |
| Vapour pressure | Not available |
| Vapour density | Not available |
| Specific gravity | 1.015 - 1.025 @ 25°C |

| | |
|---------------------------|---------------|
| Octanol/water coefficient | Not available |
| Solubility (H2O) | Complete |
| VOC (Weight %) | Not available |
| Viscosity | Not available |
| Percent volatile | Not available |

10. Stability and Reactivity

| | |
|---|---|
| Reactivity | DO NOT MIX WITH BLEACH or use in conjunction with other household products. |
| Possibility of hazardous reactions | Hazardous polymerisation does not occur. |
| Chemical stability | Stable under recommended storage conditions. |
| Conditions to avoid | Keep away from excessive heat and moisture. |
| Incompatible materials | Caustics. Acids. Oxidizers. |
| Hazardous decomposition products | May include and are not limited to: Oxides of carbon. |

11. Toxicological Information

Component analysis - LC50

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

Component analysis - Oral LD50

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

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. |
| Sensitisation | 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. |
| Name of Toxicologically Synergistic Products | Not available |

12. Ecological Information

Ecotoxicity See below

Ecotoxicity - Freshwater Fish - Acute Toxicity Data

| | | |
|------------------------------------|------------|--|
| 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] |
| Hydroxyacetic acid | 79-14-1 | 96 Hr LC50 Brachydanio rerio: >5000 mg/L [static] |

Ecotoxicity - Water Flea - Acute Toxicity Data

| | | |
|-------------|---------|------------------------------------|
| Citric acid | 77-92-9 | 72 Hr EC50 Daphnia magna: 120 mg/L |
|-------------|---------|------------------------------------|

| | |
|--|---------------|
| Persistence and 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 |
| Other adverse effects | Not available |

13. Disposal Considerations

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|--|---|
| Disposal instructions | Dispose in accordance with all applicable regulations. DO NOT reuse empty container. Rinse and discard or offer for recycling where facilities exist. |
| 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 |

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

Canadian federal regulations This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

Product Registration: Registered with TPD, DIN 02315386

Canada - WHMIS - Ingredient Disclosure List

| | | |
|--------------------|---------|-----|
| Citric acid | 77-92-9 | 1 % |
| Hydroxyacetic acid | 79-14-1 | 1 % |

WHMIS classification Exempt - Registered product - (DIN 02315386)

Inventory Status

| Country(s) or region | Inventory Name | On Inventory (Yes/No)* |
|-----------------------------|-------------------------------------|-------------------------------|
| Canada | Domestic Substances List (DSL) | No |
| Canada | Non-Domestic Substances List (NDSL) | 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 | LYSOL® Disinfectant Power Bathroom Cleaner (Trigger) - Fresh Apple, 950 mL - 0079554v2.0 LYSOL® Disinfectant Power Bathroom Cleaner (Trigger) - Spring Waterfall, 950 mL - 0069807v4.0 LYSOL® Disinfectant Power Bathroom Cleaner (Trigger) - Summer Fresh, 950 mL - 0079558v3.0 |
| Issue date | 12-Jun-2013 |
| Effective Date | 15-Jun-2013 |
| Expiry Date | 15-Jun-2016 |
| 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. |