

# SAFETY DATA SHEET



HEALTH • HYGIENE • HOME

Lysol Hydrogen Peroxide Toilet Bowl Cleaner - Cool Spring Breeze Scent

## 1. Product and company identification

**Product name** : Lysol Hydrogen Peroxide Toilet Bowl Cleaner - Cool Spring Breeze Scent

**Distributed by** : Reckitt Benckiser LLC.  
Morris Corporate Center IV  
399 Interpace Parkway (P.O. Box 225)  
Parsippany, New Jersey 07054-0225  
+1 973 404 2600

Reckitt Benckiser (Canada) Inc.  
1680 Tech Avenue, Unit #2  
Mississauga, Ontario L4W 5S9  
CANADA  
Telephone: +1 905 283 7000

**Emergency telephone number (Medical)** : 1-800-338-6167

**Emergency telephone number (Transport)** : 1-800-424-9300 (U.S. & Canada) CHEMTREC  
Outside U.S. and Canada (North America), call Chemtrec:703-527-3887

**Website:** : <http://www.rbnainfo.com>

**Product use** : Toilet bowl cleaner

This SDS is designed for workplace employees, emergency personnel and for other conditions and situations where there is greater potential for large-scale or prolonged exposure, in accordance with the requirements of USDOL Occupational Safety and Health Administration.

This SDS 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 regulations, and shown in Section 15 of this SDS.

**SDS #** : D8222424 v2.0

**Formulation #:** : e0108-030 / 8221368 v1.0

**EPA ID No.** : 777-123

**UPC Code / Sizes** : White 24 oz HDPE Kramer bottle with CRC cap

D8222424 v2.0

## 2. Hazards identification

**Classification of the substance or mixture** : Not classified

### GHS label elements

**Hazard pictograms** : Not applicable.

**Signal word** : No signal word.

**Hazard statements** : No known significant effects or critical hazards.

### Precautionary statements

**General** : Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand.

**Prevention** : Not applicable.

**Response** : Not applicable.

**Storage** : Not applicable.

**Disposal** : Not applicable.

**Supplemental label elements** : None known.

**Hazards not otherwise classified** : None known.

## 3. Composition/information on ingredients

**Substance/mixture** : Mixture

| Ingredient name  | %       | CAS number |
|--|---------|------------|
| Alcohols, C10-16, ethoxylated, sulfates, sodium salts    | 2.5 - 5 | 68585-34-2 |
| Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts | 1 - 2.5 | 68411-30-3 |
| hydrogen peroxide  | 1 - 2.5 | 7722-84-1  |

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

**There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.**

## 4. First aid measures

### Description of necessary first aid measures

**Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.

**Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

**Skin contact** : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

**Ingestion** : Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

### Most important symptoms/effects, acute and delayed

**Code #** : FF8221368  
(D8222424)

**SDS #** : D8222424 v2.0

**Date of issue** : 25/10/2016

**2/12**

D8222424 v2.0

## 4. First aid measures

### Potential acute health effects

- Eye contact** : May cause eye irritation upon direct contact with eyes.
- Inhalation** : No known significant effects or critical hazards.
- Skin contact** : No known significant effects or critical hazards.
- Ingestion** : No known significant effects or critical hazards.

### Over-exposure signs/symptoms

- Eye contact** : Adverse symptoms may include the following:  
pain or irritation  
redness
- Inhalation** : No specific data.
- Skin contact** : No specific data.
- Ingestion** : No specific data.

### Indication of immediate medical attention and special treatment needed, if necessary

- Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Specific treatments** : No specific treatment.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)

## 5. Fire-fighting measures

### Extinguishing media

- Suitable extinguishing media** : Use an extinguishing agent suitable for the surrounding fire.
- Unsuitable extinguishing media** : None known.

**Specific hazards arising from the chemical** : In a fire or if heated, a pressure increase will occur and the container may burst.

- Hazardous thermal decomposition products** : Decomposition products may include the following materials:  
halogenated compounds  
metal oxide/oxides

**Special protective actions for fire-fighters** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

**Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

D8222424 v2.0

## 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

- For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.
- For emergency responders** : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

- Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### Methods and materials for containment and cleaning up

- Small spill** : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
- Large spill** : Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

## 7. Handling and storage

### Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8).

- Conditions for safe storage, including any incompatibilities** : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

## 8. Exposure controls/personal protection

### Control

#### Occupational exposure limits

| Ingredient name   | Exposure limits  |
|-------------------|--|
| hydrogen peroxide | <p><b>ACGIH TLV (United States, 4/2014).</b><br/>                     TWA: 1 ppm 8 hours.<br/>                     TWA: 1.4 mg/m<sup>3</sup> 8 hours.</p> <p><b>OSHA PEL 1989 (United States, 3/1989).</b><br/>                     TWA: 1 ppm 8 hours.<br/>                     TWA: 1.4 mg/m<sup>3</sup> 8 hours.</p> <p><b>NIOSH REL (United States, 10/2013).</b><br/>                     TWA: 1 ppm 10 hours.<br/>                     TWA: 1.4 mg/m<sup>3</sup> 10 hours.</p> |

D8222424 v2.0

## 8. Exposure controls/personal protection

### OSHA PEL (United States, 2/2013).

TWA: 1 ppm 8 hours.

TWA: 1.4 mg/m<sup>3</sup> 8 hours.

- Appropriate engineering controls** : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
- Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.
- Individual protection measures**
- Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
- Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.
- Skin protection**
- Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
- Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory protection** : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

## 9. Physical and chemical properties

### Appearance

- Physical state** : Liquid. [Viscous liquid.]
- Color** : Blue.
- Odor** : Characteristic.
- Odor threshold** : Not available.
- pH** : 2.83 [Conc. (% w/w): 100%] [25°C]
- Melting point** : Not available.
- Boiling point** : Not available.
- Flash point** : Closed cup: >93.3°C (>199.9°F)
- Evaporation rate** : Not available.
- Flammability (solid, gas)** : Not available.

D8222424 v2.0

## 9. Physical and chemical properties

|   |  |
|---|--|
| <b>Lower and upper explosive (flammable) limits</b> | : Not available.   |
| <b>Vapor pressure</b>                               | : Not available.   |
| <b>Vapor density</b>                                | : Not available.   |
| <b>Relative density</b>                             | : 1.022  |
| <b>Solubility</b>                                   | : Easily soluble in the following materials: cold water and hot water. |
| <b>Partition coefficient: n-octanol/water</b>       | : Not available.   |
| <b>Auto-ignition temperature</b>                    | : Not available.   |
| <b>Decomposition temperature</b>                    | : Not available.   |
| <b>Viscosity</b>                                    | : Dynamic (room temperature): 200 to 700 mPa·s (200 to 700 cP)         |
| <b>Flow time (ISO 2431)</b>                         | : Not available.   |

## 10. Stability and reactivity

|   |  |
|---|--|
| <b>Reactivity</b>                         | : No specific test data related to reactivity available for this product or its ingredients.           |
| <b>Chemical stability</b>                 | : The product is stable.   |
| <b>Possibility of hazardous reactions</b> | : Under normal conditions of storage and use, hazardous reactions will not occur.                      |
| <b>Conditions to avoid</b>                | : No specific data.  |
| <b>Incompatible materials</b>             | : Do not mix with household chemicals.   |
| <b>Hazardous decomposition products</b>   | : Under normal conditions of storage and use, hazardous decomposition products should not be produced. |

## 11. Toxicological information

### Information on toxicological effects

#### Acute toxicity

| Product/ingredient name                                  | Result                | Species            | Dose                     | Exposure |
|--|-----------------------|--------------------|--------------------------|----------|
| Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts | LD50 Oral             | Rat                | 1080 mg/kg               | -        |
| hydrogen peroxide  | LD50 Oral             | Rat - Male, Female | 805 mg/kg (70% H2O2 w/w) | -        |
| *Lysol Power and Free TBC                                | LC50 Inhalation Vapor | Rat                | 2.13 mg/l                | 4 hours  |
|  | LD50 Dermal           | Rat                | >5000 mg/kg              | -        |
|  | LD50 Oral             | Rat                | >5000 mg/kg              | -        |

**Conclusion/Summary** : Not classified Harmful \*Information is based on toxicity test result of a similar product.

#### Irritation/Corrosion

| Product/ingredient name                                  | Result                           | Species | Score | Exposure        | Observation |
|--|----------------------------------|---------|-------|-----------------|-------------|
| Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts | Skin - Moderate irritant         | Rabbit  | -     | 0.5 Milliliters | -           |
| hydrogen peroxide  | Eyes - Severe irritant           | Rabbit  | -     | 1 milligrams    | -           |
| *Lysol Power and Free TBC                                | Eyes - Edema of the conjunctivae | Rabbit  | <2    | -               | -           |
|  | Skin - Non-irritant to skin.     | Rabbit  | 0.7   | -               | -           |

**Conclusion/Summary**

D8222424 v2.0

## 11. Toxicological information

**Skin** : Non-irritant to skin. \* Information is based on toxicity test result of a similar product.

**Eyes** : Mildly irritating to the eyes. \* Information is based on toxicity test result of a similar product.

### Sensitization

| Product/ingredient name   | Route of exposure | Species    | Result          |
|---------------------------|-------------------|------------|-----------------|
| *Lysol Power and Free TBC | skin              | Guinea pig | Not sensitizing |

### Conclusion/Summary

**Skin** : Non-sensitizer to skin. \* Information is based on toxicity test result of a similar product.

### Mutagenicity

Not available.

### Carcinogenicity

Not available.

### Classification

| Product/ingredient name | OSHA | IARC | NTP |
|-------------------------|------|------|-----|
| hydrogen peroxide       | -    | 3    | -   |

### Reproductive toxicity

Not available.

### Teratogenicity

Not available.

### Specific target organ toxicity (single exposure)

Not available.

### Specific target organ toxicity (repeated exposure)

Not available.

### Aspiration hazard

Not available.

**Information on the likely routes of exposure** : Not available.

### Potential acute health effects

**Eye contact** : May cause eye irritation upon direct contact with eyes.

**Inhalation** : No known significant effects or critical hazards.

**Skin contact** : No known significant effects or critical hazards.

**Ingestion** : No known significant effects or critical hazards.

### Symptoms related to the physical, chemical and toxicological characteristics

**Eye contact** : Adverse symptoms may include the following:  
pain or irritation  
redness

**Inhalation** : No specific data.

**Skin contact** : No specific data.

D8222424 v2.0

## 11. Toxicological information

**Ingestion** : No specific data.

### Delayed and immediate effects and also chronic effects from short and long term exposure

#### Short term exposure

**Potential immediate effects** : Not available.

**Potential delayed effects** : Not available.

#### Long term exposure

**Potential immediate effects** : Not available.

**Potential delayed effects** : Not available.

#### Potential chronic health effects

Not available.

**General** : No known significant effects or critical hazards.

**Carcinogenicity** : No known significant effects or critical hazards.

**Mutagenicity** : No known significant effects or critical hazards.

**Teratogenicity** : No known significant effects or critical hazards.

**Developmental effects** : No known significant effects or critical hazards.

**Fertility effects** : No known significant effects or critical hazards.

### Numerical measures of toxicity

#### Acute toxicity estimates

Not available.

## 12. Ecological information

### Toxicity

| Product/ingredient name  | Result                             | Species  | Exposure |
|--|------------------------------------|--|----------|
| Alcohols, C10-16, ethoxylated, sulfates, sodium salts<br>Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts<br>hydrogen peroxide | Acute EC50 3.43 mg/l Fresh water   | Crustaceans - Ceriodaphnia dubia - Neonate                             | 48 hours |
|  | Acute LC50 5 mg/l Fresh water      | Fish - Oncorhynchus mykiss - Juvenile (Fledgling, Hatchling, Weanling) | 96 hours |
|  | Acute EC50 1.2 mg/l Marine water   | Algae - Dunaliella tertiolecta - Exponential growth phase              | 72 hours |
|  | Acute EC50 5.38 mg/l Fresh water   | Algae - Pseudokirchneriella subcapitata                                | 96 hours |
|  | Acute EC50 2320 µg/l Fresh water   | Daphnia - Daphnia magna - Neonate                                      | 48 hours |
|  | Acute LC50 30 mg/l Fresh water     | Fish - Siluriformes - Fingerling                                       | 96 hours |
|  | Chronic NOEC 989.7 ppm Fresh water | Fish - Oncorhynchus tshawytscha - Egg                                  | 43 days  |

### Persistence and degradability

**Code #** : FF8221368  
(D8222424)

**SDS #** : D8222424 v2.0

**Date of issue** : 25/10/2016

**8/12**



D8222424 v2.0

## 12. Ecological information

Not available.

### Bioaccumulative potential

| Product/ingredient name  | LogP <sub>ow</sub> | BCF | Potential |
|--|--------------------|-----|-----------|
| Benzenesulfonic acid,<br>C10-13-alkyl derivs., sodium<br>salts | 3.32               | -   | low       |
| hydrogen peroxide  | -1.36              | -   | low       |

### Mobility in soil

**Soil/water partition coefficient (K<sub>oc</sub>)** : Not available.

**Other adverse effects** : No known significant effects or critical hazards.

## 13. Disposal considerations

**Disposal methods** : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

## 14. Transport information

Not a DOT controlled material (United States). Not a TDG-controlled material. This preparation is not classified as dangerous according to international transport regulations (ADR/RID, IMDG or ICAO/IATA).

## 15. Regulatory information

**U.S. Federal regulations** : **TSCA 8(a) CDR Exempt/Partial exemption**: Not determined  
**United States inventory (TSCA 8b)**: Not determined.

**Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs)** : Not listed

**Clean Air Act Section 602 Class I Substances** : Not listed

**Clean Air Act Section 602 Class II Substances** : Not listed

**DEA List I Chemicals (Precursor Chemicals)** : Not listed

**DEA List II Chemicals (Essential Chemicals)** : Not listed

**SARA 302/304**

**Code #** : FF8221368  
(D8222424)

**SDS #** : D8222424 v2.0

**Date of issue** : 25/10/2016

**9/12**

D8222424 v2.0

**15. Regulatory information****Composition/information on ingredients**

| Name              | %       | EHS  | SARA 302 TPQ |           | SARA 304 RQ |           |
|-------------------|---------|------|--------------|-----------|-------------|-----------|
|                   |         |      | (lbs)        | (gallons) | (lbs)       | (gallons) |
| hydrogen peroxide | 1 - 2.5 | Yes. | 1000         | 106.1     | 1000        | 106.1     |

**SARA 304 RQ** : 74626.9 lbs / 33880.6 kg [8757.6 gal / 33151.3 L]

**SARA 311/312**

**Classification** : Not applicable.

**Composition/information on ingredients**

| Name  | %       | Fire hazard | Sudden release of pressure | Reactive | Immediate (acute) health hazard | Delayed (chronic) health hazard |
|---|---------|-------------|----------------------------|----------|---------------------------------|---------------------------------|
| Alcohols, C10-16, ethoxylated, sulfates, sodium salts | 2.5 - 5 | No.         | No.                        | No.      | Yes.                            | No.                             |
| Benzenesulfonic acid, C10-16-alkyl derivs.            | 1 - 2.5 | No.         | No.                        | No.      | Yes.                            | No.                             |
| hydrogen peroxide                                     | 1 - 2.5 | No.         | No.                        | No.      | Yes.                            | No.                             |

**State regulations**

- Massachusetts** : The following components are listed: HYDROGEN PEROXIDE
- New York** : The following components are listed: Hydrogen peroxide
- New Jersey** : The following components are listed: HYDROGEN PEROXIDE
- Pennsylvania** : The following components are listed: HYDROGEN PEROXIDE (CONC > 52 PERCENT)

**Canada**

- WHMIS (Canada)** : Class D-1B: Material causing immediate and serious toxic effects (Toxic).  
Class E: Corrosive material

**Canadian lists**

- Canadian NPRI** : None of the components are listed.
- CEPA Toxic substances** : None of the components are listed.
- Canada inventory** : Not determined.

**Label elements**

- Signal word:** : CAUTION
- Hazard statements** : Causes moderate eye irritation
- Precautionary measures** : Avoid contact with eyes, skin and clothing.  
Keep out of reach of children.
- Additional information** : Short term Skin Bleaching agent. IF ON SKIN: Rinse skin with water.

D8222424 v2.0

## 16. Other information

**Hazardous Material Information System (U.S.A.)** :

|                     |   |   |
|---------------------|---|---|
| Health              | * | 1 |
| Flammability        |   | 1 |
| Physical hazards    |   | 0 |
| Personal protection |   | B |

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

The customer is responsible for determining the PPE code for this material.

**National Fire Protection Association (U.S.A.)** :



Reprinted with permission from NFPA 704-2001, Identification of the Hazards of Materials for Emergency Response Copyright ©1997, National Fire Protection Association, Quincy, MA 02269. This reprinted material is not the complete and official position of the National Fire Protection Association, on the referenced subject which is represented only by the standard in its entirety.

Copyright ©2001, National Fire Protection Association, Quincy, MA 02269. This warning system is intended to be interpreted and applied only by properly trained individuals to identify fire, health and reactivity hazards of chemicals. The user is referred to certain limited number of chemicals with recommended classifications in NFPA 49 and NFPA 325, which would be used as a guideline only. Whether the chemicals are classified by NFPA or not, anyone using the 704 systems to classify chemicals does so at their own risk.

**Key to abbreviations** :

- ATE = Acute Toxicity Estimate
- BCF = Bioconcentration Factor
- GHS = Globally Harmonized System of Classification and Labelling of Chemicals
- IATA = International Air Transport Association
- IBC = Intermediate Bulk Container
- IMDG = International Maritime Dangerous Goods
- LogPow = logarithm of the octanol/water partition coefficient
- MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
- UN = United Nations

**Date of issue** : 25/10/2016  
**Date of previous issue** : No previous validation  
**Version** : 2  
**Prepared by** : Reckitt Benckiser Hull (UK)  
 Dansom Lane  
 Hull, HU8 7DS  
 United Kingdom  
 T +44 (0)1482 326151  
 F +44 (0)1482 582532

D8222424 v2.0

## 16. Other information

✔ Indicates information that has changed from previously issued version.

### Notice to reader

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.



RB is a member of the CSPA Product Care Product Stewardship Program.