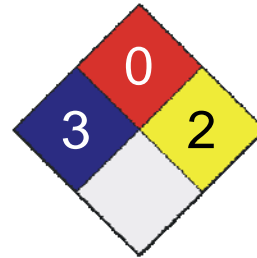


1. Product and Company Identification

Product Name LYSOL® Continuous Action Toilet Bowl Cleaner
UPC CODES Refer to Section 16
CAS # Mixture
Product Use Toilet bowl cleaner
Distributed by Reckitt Benckiser (Canada) Inc.
 1680 Tech Avenue Unit #2
 Mississauga, ON L4W 5S9
 In Case of Emergency: 1-800-888-0192
 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	/ 3
Flammability	0
Physical Hazard	2
Personal Protection	B



2. Hazards Identification

Emergency Overview

WARNING
POISON
CORROSIVE TO EYES AND SKIN

PRECAUTIONS: Keep out of reach of children.

HARMFUL IF SWALLOWED. HIGHLY CORROSIVE. DO NOT TAKE INTERNALLY.
CORROSIVE TO EYES AND SKIN
 Irritating to nose and throat. Avoid breathing dust. Use with adequate ventilation. Do not get into eyes, on skin or on clothing. Wear rubber gloves when handling. Wash thoroughly after handling.
PHYSICAL AND CHEMICAL HAZARDS: Strong oxidizing agents. Mix only with water. Use clean, dry utensils. Do not add this product to any dispensing device containing remnants of any other product. Such use may cause a violent reaction leading to fire or explosion. In case of contamination or decomposition, do not reseal container. If possible, isolate container in open air or well-ventilated area. If necessary, flood with large volumes of water.

Potential short term health effects

Routes of exposure

Eye, Skin contact, Inhalation, Ingestion.

Eyes

Corrosive to eyes. Do not get into eyes.

Skin

Corrosive to skin. Do not get on skin or clothing.
Not expected to be a skin sensitizer.

Inhalation

Irritating to the nose and throat. Avoid breathing dust.

Ingestion

Harmful if swallowed. Do not take internally.

Target organs

Eyes. Respiratory system. Skin.

Chronic effects

Prolonged or repeated exposure to dilutions can cause drying, defatting and dermatitis.

Signs and symptoms

The product causes burns of eyes, skin and mucous membranes.

Potential environmental effects

Components of this product have been identified as having potential environmental concerns.

3. Composition/Information on Ingredients

Ingredient(s)	CAS #	Percent
1,3-Dichloro-5,5-dimethyl hydantoin	118-52-5	15 - 40
1-bromo-3-chloro-5,5-dimethylhydantoin	126-06-7	40 - 70
1,3-Dichloro-5-ethyl-5-methylhydantoin	89415-87-2	7 - 13

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 person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.
Ingestion	If swallowed, call a poison control centre 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 centre or doctor. Do not give anything by mouth to an unconscious person. Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

Notes to physician

Probable mucosal damage may contraindicate the use of gastric lavage. 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: Hydrogen chloride. 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	Not available
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. Use broom or dry vacuum to collect material for proper disposal without raising dust. Rinse area with water. 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	WARNING. POISON. HIGHLY CORROSIVE. Use with adequate ventilation. Do not get this material in your eyes, on your skin, or on your clothing. Wear rubber gloves when handling. Wash thoroughly after handling. Strong oxidizing agents. Mix only with water. Use clean, dry utensils. Do not add this product to any dispensing device containing remnants of any other product. Such use may cause a violent reaction leading to fire or explosion. In case of contamination or decomposition, do not reseal container. If possible, isolate container in open air or well-ventilated area. If necessary, flood with large volumes of water.
Storage	Store in original container in a cool, dry, well-ventilated area inaccessible to small children. Do not store at elevated temperatures. This pest control product is to be used only in accordance with the directions on the label. It is an offence under the Pest Control Products Act to use this product in a way that is inconsistent with the directions on the label. The user assumes the risk to persons or property that arises from any such use of this product.

8. Exposure Controls / Personal Protection

Exposure limit values

Ingredient(s)	Exposure limit values
1,3-Dichloro-5,5-dimethyl hydantoin	ACGIH-TLV TWA: 0.2 mg/m ³ STEL: 0.4 mg/m ³
1,3-Dichloro-5-ethyl-5-methylhydantoin	ACGIH-TLV Not established
1-bromo-3-chloro-5,5-dimethylhydantoin	ACGIH-TLV TWA: 0.2 mg/m ³

Engineering controls

General ventilation normally adequate.

Personal protective equipment

Eye/Face protection

No special requirements under normal use conditions.
Avoid contact with eyes.
Emergency responders should wear full eye and face protection.

Hand protection

DO NOT get on skin or clothing.
Rubber gloves. Confirm with a reputable supplier first.
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.
Where exposure guideline levels may be exceeded, use an approved NIOSH respirator.
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	Pucks
Colour	white to off-white
Form	Solid.
Odour	Characteristic
Odour threshold	Not available
Physical state	Solid
pH	Not available
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 applicable
Flammability Limits in Air, Upper, % by Volume	Not applicable
Vapour pressure	Not available
Vapour density	Not available
Specific gravity	Not available
Octanol/water coefficient	Not available
Solubility (H2O)	Complete
Softening point	> 1

10. Stability and Reactivity

Reactivity	This product may react with strong oxidizing agents.
Possibility of hazardous reactions	Hazardous polymerisation does not occur.
Chemical stability	Stable under recommended storage conditions.
Conditions to avoid	Do not mix with other chemicals. Do not add this product to any dispensing device containing remnants of any other product. Such use may cause a violent reaction leading to fire or explosion.
Incompatible materials	Reducing agents. Acids. Alkaline materials. Strong oxidizing agents.
Hazardous decomposition products	May include and are not limited to: Oxides of carbon. Hydrogen chloride.

11. Toxicological Information

Component analysis - LC50

Ingredient(s)	LC50
1,3-Dichloro-5,5-dimethyl hydantoin	Not available
1,3-Dichloro-5-ethyl-5-methylhydantoin	Not available
1-bromo-3-chloro-5,5-dimethylhydantoin	1.88 mg/L rat

Component analysis - Oral LD50

Ingredient(s)	LD50
1,3-Dichloro-5,5-dimethyl hydantoin	542 mg/kg rabbit; 542 mg/kg rat
1,3-Dichloro-5-ethyl-5-methylhydantoin	542 mg/kg rat
1-bromo-3-chloro-5,5-dimethylhydantoin	468 mg/kg rat

Effects of acute exposure

Eye	Corrosive to eyes. Do not get into eyes.
Skin	Corrosive to skin. Do not get on skin or clothing. Not expected to be a skin sensitizer.
Inhalation	Irritating to the nose and throat. Avoid breathing dust.
Ingestion	Harmful if swallowed. Do not take internally.
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	
1-bromo-3-chloro-5,5-dimethylhydantoin	126-06-7 96 Hr LC50 Oncorhynchus mykiss: 0.87 mg/L; 96 Hr LC50 Pimephales promelas: 0.28 mg/L (juvenile); 96 Hr LC50 Lepomis macrochirus: 0.56 mg/L
Ecotoxicity - Water Flea - Acute Toxicity Data	
1-bromo-3-chloro-5,5-dimethylhydantoin	126-06-7 48 Hr EC50 water flea: 0.47 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

Disposal instructions	Discard empty container in household trash. Do not reuse package. Empty any residue material into the toilet and flush.
Waste from residues / unused products	Not available
Contaminated packaging	Not available

14. Transport Information

U.S. Department of Transportation (DOT)

UN 1479, Oxidizing Solid, N.O.S. (Halogenated Hydantoins) Class 5.1, PG II Re-Classed as Limited Quantity

Transportation of Dangerous Goods (TDG - Canada)

UN 1479, Oxidizing Solid, N.O.S. (Halogenated Hydantoins) Class 5.1, PG II Re-Classed as Limited Quantity/LTD. QTY.

IMDG (Marine Transport)

UN 1479, Oxidizing Solid, N.O.S. (Contains Halogenated Hydantoins)
Class 5.1, PG II, Limited Quantity

IATA/ICAO (Air)

UN 1479, Oxidizing Solid, N.O.S. (Halogenated Hydantoins) Class 5.1, PG II, Limited Quantity

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 PMRA

Canada - WHMIS - Ingredient Disclosure List

1-bromo-3-chloro-5,5-dimethylhydantoin	118-52-5	1 %
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WHMIS classification Exempt - Registered product - (PCP 28059)

Inventory Status

Country(s) or region	Inventory Name	On Inventory (Yes/No)*
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No

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 59631-74953 - LYSOL® Continuous Action Toilet Bowl Cleaner - 100g - 361386

Issue date 12-Apr-2011

Effective Date 01-Apr-2011

Expiry Date 01-Apr-2014

Prepared by
Other Information

Reckitt Benckiser Regulatory Department 800-333-3899

For an updated MSDS, please contact the supplier/manufacturer listed on the first page of the document.