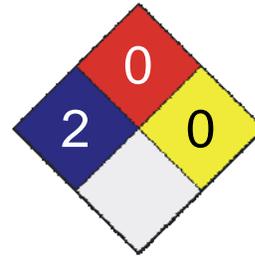


1. Product and Company Identification

Product Name LYSOL® Disinfectant Toilet Bowl Cleaner with Bleach
UPC CODES Refer to Section 16
CAS # Mixture
Product Use Bathroom cleaner
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
CORROSIVE
 Causes eye and skin damage. **HARMFUL IF SWALLOWED.**
 Do not get in eyes, on skin or on clothing.
 For sensitive skin or prolonged use, wear gloves.
 Odours may irritate.
 Use only in well-ventilated areas. Avoid prolonged breathing of vapour.
 Do not mix with other household chemicals, such as products containing ammonia, toilet bowl cleaners, vinegars, or acidic cleaners or with other LYSOL® Brand products, as hazardous gases may be released.

Keep out of reach of children.

Potential short term health effects

Routes of exposure

Eye, Skin contact, Inhalation, Ingestion.

Eyes

Causes eye damage.

Skin

Causes skin damage.
 Not expected to be a skin sensitizer.

Inhalation

Avoid breathing vapors. Odours may irritate. Use only in a well ventilated area.

Ingestion

Harmful if swallowed.

Target organs

Skin. Eyes. Respiratory system.

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

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

3. Composition/Information on Ingredients

Ingredient(s)	CAS #	Percent
Sodium hydroxide	1310-73-2	0.5 - 1.5
Mortmorillonite	1318-93-0	0.5 - 1.5
Sodium hypochlorite	7681-52-9	1 - 5
N,N-dimethyl-1-tetradecanamine, N-oxide	3332-27-2	1 - 5

4. First Aid Measures

First aid procedures

Eye contact In case of eye contact, IMMEDIATELY flush eyes, remove contact lenses and continue flushing eyes for at least 15 minutes. Get medical attention immediately.

Skin contact In case of skin contact, IMMEDIATELY wash with plenty of soap and water. If irritation persists, call a physician.

Inhalation If breathing is affected, get fresh air immediately.

Ingestion If swallowed, drink a glass of water and get prompt medical attention.

Notes to physician Symptoms may be delayed. Treat patient symptomatically.

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 Cool containers with flooding quantities of water until well after fire is out.

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. Oxides of nitrogen. Hydrogen chloride. Chlorine.

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 Prevent further leakage or spillage if safe to do so.
Do not contaminate water.

Methods for containment Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). 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.
Wipe up with absorbent material (e.g. cloth, fleece).

7. Handling and Storage

Handling	<p>CAUTION Causes eye and skin damage. HARMFUL IF SWALLOWED. Do not get in eyes, on skin or on clothing. For sensitive skin or prolonged use, wear gloves. Odours may irritate. Use only with adequate ventilation. Avoid prolonged breathing of vapour.</p> <p>Not recommended for use by persons with heart conditions or chronic respiratory problems such as asthma, emphysema or obstructive lung disease.</p>
Storage	<p>Do not contaminate water, food or feed by use or storage. Store in original container out of reach of small children. Keep securely closed in a cool, well ventilated area. Do not reuse empty container. Rinse and discard or recycle.</p> <p>It is a violation of Federal law to use this product in a manner inconsistent with its labeling.</p>

8. Exposure Controls / Personal Protection

Exposure limit values

Ingredient(s)	Exposure limit values
Mortmorillonite	ACGIH-TLV Not established
N,N-dimethyl-1-tetradecanamine, N-oxide	ACGIH-TLV Not established
Sodium hydroxide	ACGIH-TLV Ceiling: 2 mg/m ³
Sodium hypochlorite	ACGIH-TLV Not established

Engineering controls

General ventilation normally adequate.

Personal protective equipment

Eye/Face protection

Safety goggles or glasses.
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

As required by employer code.

Respiratory protection

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	Opaque.
Colour	Blue
Form	Liquid
Odour	Apple.
Odour threshold	Not available
Physical state	Liquid
pH	12.7 - 13.2
Freezing point	Not available
Boiling point	Not available
Pour point	Not available
Evaporation Rate	Not available
Flash point	> 93.33 °C (> 200 °F) TCC

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	1.05 - 1.07 @ 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	Reacts vigorously with acids.
Possibility of hazardous reactions	Hazardous polymerisation does not occur.
Chemical stability	Stable under recommended storage conditions.
Conditions to avoid	Do not mix with other household chemicals, such as products containing ammonia, toilet bowl cleaners, vinegars, or acidic cleaners or with other LYSOL® Brand products, as hazardous gases may be released. Excessive heat.
Incompatible materials	Oxidizers. Acids.
Hazardous decomposition products	May include and are not limited to: Oxides of carbon. Oxides of nitrogen. Hydrogen chloride. Chlorine gas.

11. Toxicological Information

Component analysis - LC50

Ingredient(s)	LC50
Mortmorillonite	Not available
N,N-dimethyl-1-tetradecanamine, N-oxide	Not available
Sodium hydroxide	Not available
Sodium hypochlorite	> 5250 mg/m ³ rat

Component analysis - Oral LD50

Ingredient(s)	LD50
Mortmorillonite	Not available
N,N-dimethyl-1-tetradecanamine, N-oxide	Not available
Sodium hydroxide	Not available
Sodium hypochlorite	8200 mg/kg rat; 5800 mg/kg mouse

Effects of acute exposure

Eye	Causes eye damage.
Skin	Causes skin damage. Not expected to be a skin sensitizer.
Inhalation	Avoid breathing vapors. Odours may irritate. Use only in a well ventilated area.
Ingestion	Harmful if swallowed.
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.
IARC - Group 3 (Not Classifiable)	
Sodium hypochlorite	7681-52-9 Monograph 52 [1991] (listed under Hypochlorite salts)
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.

12. Ecological Information

Ecotoxicity	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 Algae - Acute Toxicity Data		
Sodium hypochlorite	7681-52-9	24 Hr EC50 Skeletonema costatum: 0.095 mg/L
Ecotoxicity - Freshwater Fish - Acute Toxicity Data		
Sodium hydroxide	1310-73-2	96 Hr LC50 Oncorhynchus mykiss: 45.4 mg/L [static]
Sodium hypochlorite	7681-52-9	96 Hr LC50 Pimephales promelas: 0.06 - 0.11 mg/L [flow-through]; 96 Hr LC50 Pimephales promelas: 4.5 - 7.6 mg/L [static]; 96 Hr LC50 Lepomis macrochirus: 0.4 - 0.8 mg/L [static]; 96 Hr LC50 Lepomis macrochirus: 0.28 - 1 mg/L [flow-through]; 96 Hr LC50 Oncorhynchus mykiss: 0.05 - 0.771 mg/L [flow-through]; 96 Hr LC50 Oncorhynchus mykiss: 0.03 - <0.19 mg/L [semi-static]; 96 Hr LC50 Oncorhynchus mykiss: 0.18 - 0.22 mg/L [static]
Ecotoxicity - Water Flea - Acute Toxicity Data		
Sodium hypochlorite	7681-52-9	96 Hr EC50 Daphnia magna: 2.1 mg/L; 48 Hr EC50 Daphnia magna: 0.033 - 0.044 mg/L [Static]
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	Review federal, state/provincial, and local government requirements prior to disposal. Discard with solid waste. Do not reuse empty container. Rinse container and offer for recycling where facilities exist.
Waste from residues / unused products	Not available
Contaminated packaging	Not available

14. Transport Information

U.S. Department of Transportation (DOT)	UN 3266 - Corrosive Liquid, Basic, Inorganic N.O.S. (Sodium Hypochlorite, Sodium Hydroxide), Class 8, PG II. Re-Classed as Limited Quantity.
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Transportation of Dangerous Goods (TDG -

UN 3266 - Corrosive Liquid, Basic, Inorganic N.O.S. (Sodium Hypochlorite, Sodium Hydroxide), Class 8, PG II.
Re-Classed Limited Quantity.

IMDG (Marine Transport)

UN 3266 - Corrosive Liquid, Basic, Inorganic N.O.S. (Sodium Hypochlorite, Sodium Hydroxide), Class 8, PG II. Limited Quantity.

IATA/ICAO (Air)

UN 3266 - Corrosive Liquid, Basic, Inorganic N.O.S. (Sodium Hypochlorite, Sodium Hydroxide), Class 8, 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 TPD, DIN 02271559

Canada - WHMIS - Ingredient Disclosure List

Sodium hydroxide	1310-73-2	1 %
Sodium hypochlorite	7681-52-9	1 %

WHMIS classification

Exempt - Registered product - (DIN 02271559)

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

59631-34062-7 - LYSOL® Disinfectant Toilet Bowl Cleaner with Bleach - 710 mL - 362087

59631-83702 - LYSOL® Disinfectant Toilet Bowl Cleaner with Bleach - 710 mL - 362087

Issue date

28-Sept-2011

Effective Date

01-Dec-2010

Expiry Date

01-Dec-2013

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.