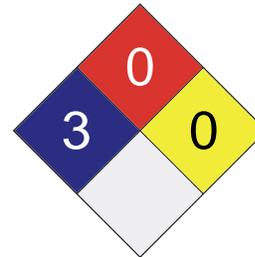


1. Product and Company Identification

Product Name LYSOL® Brand (Kills 99.9% of Viruses & Bacteria) All Purpose Cleaner Complete Clean with Bleach
UPC CODES Refer to Section 16
CAS # Mixture
Product Use 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	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.

PRECAUTIONS: WARNING

Causes eye and skin irritation. Do not get in eyes, on skin or on clothing. Odours may irritate. Use only in well-ventilated areas. Avoid prolonged breathing of vapors. Avoid prolonged breathing of vapour. Not recommended for use by persons with heart conditions or chronic respiratory problems such as asthma, emphysema or obstructive lung disease. HARMFUL IF SWALLOWED. For sensitive skin or prolonged use, wear rubber gloves.

This Product Contains Bleach. Do not mix with other household chemicals such as products containing ammonia, toilet bowl cleaners or acid cleaners as hazardous gases may be released. Avoid contact with clothes, fabric, wood, rubber, carpet, painted and paper surfaces, and finished floors. Rinse immediately after use on metal to avoid pitting or discoloration.

Keep out of reach of children.

Potential short term health effects

Routes of exposure

Eye, Skin contact, Inhalation, Ingestion.

Eyes

Causes eye irritation. Do not get into eyes.

Skin

Causes skin irritation. Do not get on skin or clothing.

Inhalation

Odors may irritate. Avoid prolonged breathing of vapor.

Ingestion

Harmful if swallowed.

Target organs

Eyes. Respiratory system. 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.

3. Composition/Information on Ingredients

Ingredient(s)	CAS #	Percent
Sodium hydroxide	1310-73-2	0.1 - 1
Sodium hypochlorite	7681-52-9	1 - 5

4. First Aid Measures

First aid procedures

Eye contact

In case of eye contact, immediately flush eyes with water, remove any 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, get medical attention.

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.

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**

Water spray. Foam. Dry chemical. Carbon dioxide.

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: Oxygen. Chlorine gas.

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

WARNING.

Causes eye and skin irritation.

Do not get this material in your eyes, on your skin, or on your clothing.

Use only in well-ventilated areas.

Do not breathe vapours or spray mist.

Use good industrial hygiene practices in handling this material.

When using do not eat or drink.

Not recommended for use by persons with heart conditions or chronic respiratory problems such as asthma, emphysema or obstructive lung disease.

Storage

Store in original container in a cool, secure area inaccessible to children and pets. Do not reuse container.
It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

8. Exposure Controls / Personal Protection

Exposure limit values**Ingredient(s)****Exposure limit values**

Sodium hydroxide

ACGIH-TLV

Ceiling: 2 mg/m3

Sodium hypochlorite

ACGIH-TLV

Not established

Engineering controls

Use only under good ventilation conditions or with respiratory protection.

Personal protective equipment**Eye/Face protection**

Avoid contact with eyes. Wear safety glasses with side shields.
Emergency responders should wear full eye and face protection.

Hand protection

Avoid contact with the skin. For sensitive skin or prolonged use, wear rubber gloves.
Emergency responders should wear impermeable gloves.

Skin and body protection

As required by employer code.
Emergency responders should wear impermeable clothing and footwear when responding to a situation where contact with the liquid is possible.

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	Clear.
Colour	Light Straw
Form	aqueous solution
Odour	slight chlorine
Odour threshold	Not available
Physical state	Liquid
pH	12.5 (Basic)
Freezing point	Not available
Boiling point	Not available
Pour point	Not available
Flash point	> 93.3 °C (> 199.94 °F) Tagliabue
Evaporation Rate	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	1.044 (Water = 1)
Octanol/water coefficient	Not available
Solubility (H2O)	Complete
Auto-ignition temperature	Not available

10. Stability and Reactivity

Chemical stability	Stable under recommended storage conditions.
Conditions to avoid	DO NOT MIX WITH BLEACH or use in conjunction with other household products.
Incompatible materials	Acids. Oxidizers.
Hazardous decomposition products	May include and are not limited to: Chlorine gas. Oxygen.
Possibility of hazardous reactions	Hazardous polymerisation does not occur.

11. Toxicological Information

Component analysis - LC50

Ingredient(s)	LC50
Sodium hydroxide	Not available
Sodium hypochlorite	> 5250 mg/m ³ rat

Component analysis - Oral LD50

Ingredient(s)	LD50
Sodium hydroxide	Not available
Sodium hypochlorite	8200 mg/kg rat; 5800 mg/kg mouse

Effects of acute exposure

Eye	Causes eye irritation. Do not get into eyes.
Skin	Causes skin irritation. Do not get on skin or clothing.
Inhalation	Odors may irritate. Avoid prolonged breathing of vapor.
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.
Synergistic Materials	Not available

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.
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Ecotoxicity - Freshwater Algae Data

Sodium hypochlorite	7681-52-9	24 Hr EC50 Skeletonema costatum: 0.095 mg/L
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Ecotoxicity - Freshwater Fish Species 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 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]
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Environmental effects	Not available
Aquatic toxicity	Not available
Persistence and degradability	Not available
Bioaccumulation/accumulation	Not available
Partition coefficient	Not available
Mobility in environmental media	Not available
Chemical fate information	Not available

Other adverse effects Not available

13. Disposal Considerations

Waste codes Not available

Disposal instructions Dispose in accordance with all applicable regulations.
Small amounts of waste: Wipe up with a wet paper towel and discard absorbed material in trash collection. Do not reuse empty container. Rinse container and offer for recycling where facilities exist.
Large quantities of waste liquid: Contain and collect for evaluation and disposal according to local, state, provincial and federal regulations.

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 Hydroxide, Sodium Hypochlorite), Class 8, PG III,
Limited Quantity. Re-classed as Consumer
Commodity ORM-D

Transportation of Dangerous Goods (TDG - Canada)

UN 3266, Corrosive liquid, basic, inorganic, N.O.S.
(Sodium Hydroxide, Sodium Hypochlorite), Class 8, PG III,
Limited Quantity. Re-classed as Consumer
Commodity/ LTD. QTY.

IMDG (Marine Transport)

UN 3266, Corrosive liquid, basic, inorganic, N.O.S.
(Sodium Hydroxide, Sodium Hypochlorite), Class 8, PG III,
Limited Quantity.

UN 3266, Corrosive liquid, basic, inorganic, N.O.S.
(Sodium Hydroxide, Sodium Hypochlorite), Class 8, PG III

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 02290367

Canada - WHMIS - Ingredient Disclosure List

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

WHMIS classification Exempt - Registered product - (DIN 02290367)

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 59631-80477-8 - LYSOL® Brand (Kills 99.9% of Viruses & Bacteria) All Purpose Cleaner Complete Clean with Bleach - 650mL - 0003419

Issue date 10-Jun-2010

Effective Date 15-Jun-2010

Expiry Date 15-Jun-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.