

1. Product and Company Identification

Product Name LYSOL® Brand (Kills 99.9% of Viruses & Bacteria) Toilet Bowl Cleaner Cling Gel - All Scents

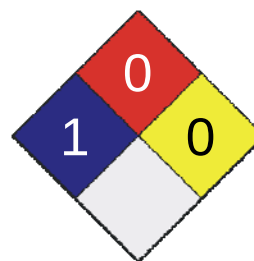
CAS # Mixture

Product use Disinfectant Toilet bowl cleaner

Distributed by Reckitt Benckiser
Morris Corporate Center IV
399 Interpace Parkway
P.O. Box 225
Parsippany, NJ 07054-0225
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	/ 1
Flammability	0
Physical Hazard	0
Personal Protection	A



2. Hazards Identification

Emergency overview

This product is regulated by the US EPA as a disinfectant.

PRECAUTIONARY STATEMENTS: Hazards to humans and domestic animals.

WARNING

Causes substantial but temporary eye injury. Do not get in eyes or on clothing. Wear protective eyewear, such as goggles, face shield or safety glasses. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco. Remove and wash contaminated clothing before reuse.

PHYSICAL AND CHEMICAL HAZARDS: Never use with chlorine bleach or any other chemical product.

KEEP OUT OF REACH OF CHILDREN.

Potential short term health effects

Routes of exposure

Eyes

Eye, Skin contact, Inhalation, Ingestion.

Causes substantial but temporary eye injury.
Do not get into eyes.

Skin

None expected during normal conditions of use.
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

Skin. Eyes.

Chronic effects

The finished product is not expected to have chronic health effects.

Signs and symptoms

Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

OSHA Regulatory Status

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Potential environmental effects

See section 12.

3. Composition / Information on Ingredients

Ingredient(s)	CAS #	Percent
Oxalic acid	144-62-7	0.1 - 1
Sodium hydroxide	1310-73-2	0.1 - 1
Alkyl (50%C14, 40%C12, 10%C16) dimethyl benzyl ammonium chlorides	Not Applicable	< 1
Didecyl Dimethyl Ammonium Chloride	Not Applicable	< 1
Dioctyl Dimethyl Ammonium Chloride	Not Applicable	< 1
Octyl Decyl Dimethyl Ammonium Chloride	Not Applicable	< 1

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	Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes.
Inhalation	Move to fresh air.
Ingestion	Rinse mouth with water. Contact a physician or poison control center if symptoms develop. Do not induce vomiting.

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 OSHA 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 nitrogen. 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. 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. 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 to original containers for re-use.

7. Handling and Storage

Handling	WARNING. Causes substantial but temporary eye injury. Do not get in eyes, on skin or on clothing. Wear protective eyewear, such as goggles, face shield or safety glasses. Wear gloves. Never use with chlorine bleach or any other chemical product. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco.
Storage	Keep in properly labelled containers. Do not reuse container.

8. Exposure Controls / Personal Protection

Exposure limits	
Ingredient(s)	Exposure Limits
Alkyl (50%C14, 40%C12, 10%C16) dimethyl benzyl ammonium chlorides	ACGIH-TLV Not established OSHA-PEL Not established
Didecyl Dimethyl Ammonium Chloride	ACGIH-TLV Not established OSHA-PEL Not established
Dioctyl Dimethyl Ammonium Chloride	ACGIH-TLV Not established OSHA-PEL Not established
Octyl Decyl Dimethyl Ammonium Chloride	ACGIH-TLV Not established OSHA-PEL Not established
Oxalic acid	ACGIH-TLV TWA: 1 mg/m3 STEL: 2 mg/m3 OSHA-PEL TWA: 1 mg/m3
Sodium hydroxide	ACGIH-TLV Ceiling: 2 mg/m3 OSHA-PEL TWA: 2 mg/m3
Engineering controls	General ventilation normally adequate.
Personal protective equipment	
Eye / face protection	Avoid contact with eyes. If splashing is likely to occur or for occupational exposures, wear appropriate eye protection. 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. Emergency responders should wear impermeable clothing and footwear when responding to a situation where contact with the liquid is possible.
Respiratory protection	No special requirements 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	Clear Liquid
Color	characteristic
Form	aqueous solution
Odor	Characteristic
Odor threshold	Not available
Physical state	Liquid
pH	4 - 4.4
Freezing point	Not available
Boiling point	Not available
Pour point	Not available
Evaporation rate	Not available
Flash point	> 199.94 °F (> 93.3 °C) Tagliabue
Auto-ignition temperature	Not available
Flammability limits in air, lower, % by volume	Not available
Flammability limits in air, upper, % by volume	Not available
Vapor pressure	Not available
Vapor density	Not available
Specific gravity	0.990 - 1.010 @ 25°C
Octanol/water coefficient	Not available
Solubility (H2O)	Complete

10. Stability and Reactivity

Reactivity	This product may react with strong oxidizing agents.
Possibility of hazardous reactions	Hazardous polymerization does not occur.
Chemical stability	Stable under recommended storage conditions.
Conditions to avoid	Excessive heat. 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: Oxides of nitrogen. Oxides of carbon.

11. Toxicological Information

Component analysis - LC50

Ingredient(s)	LC50
Alkyl (50%C14, 40%C12, 10%C16) dimethyl benzyl ammonium chlorides	Not available
Didecyl Dimethyl Ammonium Chloride	Not available
Dioctyl Dimethyl Ammonium Chloride	Not available
Octyl Decyl Dimethyl Ammonium Chloride	Not available
Oxalic acid	Not available
Sodium hydroxide	Not available

Component analysis - Oral LD50

Ingredient(s)	LD50
Alkyl (50%C14, 40%C12, 10%C16) dimethyl benzyl ammonium chlorides	426 mg/kg rat
Didecyl Dimethyl Ammonium Chloride	Not available
Dioctyl Dimethyl Ammonium Chloride	Not available
Octyl Decyl Dimethyl Ammonium Chloride	Not available
Oxalic acid	375 mg/kg rat
Sodium hydroxide	Not available

Effects of acute exposure

Eye	Causes substantial but temporary eye injury. Do not get into eyes.
Skin	None expected during normal conditions of use. 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.
Sensitization	Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.
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		
Oxalic acid	144-62-7	24 Hr LC50 Lepomis macrochirus: 4000 mg/L [static]
Sodium hydroxide	1310-73-2	96 Hr LC50 Oncorhynchus mykiss: 45.4 mg/L [static]
Ecotoxicity - Water Flea - Acute Toxicity Data		
Oxalic acid	144-62-7	48 Hr EC50 Daphnia magna: 125 - 150 mg/L [Static]
Persistence / 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	

13. Disposal Considerations

Disposal instructions	CONTAINER DISPOSAL: Non-refillable container. Do not reuse or refill this container.
	Dispose in accordance with all applicable regulations.
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

Occupational Safety and Health Administration (OSHA)

29 CFR 1910.1200 hazardous chemical Yes

US Federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Product Registration: Registered with EPA, EPA Reg. No. 777-70

U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities

Sodium hydroxide	1310-73-2	1000 Lb final RQ; 454 kg final RQ
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U.S. - CWA (Clean Water Act) - Hazardous Substances

Sodium hydroxide	1310-73-2	Present
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CERCLA (Superfund) reportable quantity

Sodium hydroxide: 1000.0000

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories	Immediate Hazard - Yes Delayed Hazard - No Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No
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Section 302 extremely hazardous substance	No
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Section 311 hazardous chemical	Yes
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Clean Air Act (CAA)	Not available
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Clean Water Act (CWA)	Hazardous substance
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State regulations

U.S. - California - 8 CCR Section 339 - Director's List of Hazardous Substances

Oxalic acid	144-62-7	Present
Sodium hydroxide	1310-73-2	Present

U.S. - Louisiana - Reportable Quantity List for Pollutants

Sodium hydroxide	1310-73-2	1000 Lb final RQ; 454 kg final RQ
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U.S. - Massachusetts - Right To Know List

Oxalic acid	144-62-7	Present
Sodium hydroxide	1310-73-2	Present

U.S. - Minnesota - Hazardous Substance List

Oxalic acid	144-62-7	Present
Sodium hydroxide	1310-73-2	Present

U.S. - New Jersey - Right to Know Hazardous Substance List

Oxalic acid	144-62-7	sn 1445
Sodium hydroxide	1310-73-2	sn 1706

U.S. - New York - Reporting of Releases Part 597 - List of Hazardous Substances

Sodium hydroxide	1310-73-2	1000 Lb RQ (air); 100 lb RQ (land/water)
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U.S. - Pennsylvania - RTK (Right to Know) List

Oxalic acid	144-62-7	Present
Sodium hydroxide	1310-73-2	Environmental hazard

U.S. - Rhode Island - Hazardous Substance List

Oxalic acid	144-62-7	Toxic; Flammable
Sodium hydroxide	1310-73-2	Toxic (caustic); Flammable (caustic)

Inventory status

Country(s) or region	Inventory name	On inventory (yes/no)*
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	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® Brand (Kills 99.9% of Viruses & Bacteria) Toilet Bowl Cleaner Cling Gel - 24 oz.
- Citrus Scent - 0132352 v3.0

LYSOL® Brand (Kills 99.9% of Viruses & Bacteria) Toilet Bowl Cleaner Cling Gel - 24 oz.
- Country Scent - 0119249 v3.0

LYSOL® Brand (Kills 99.9% of Viruses & Bacteria) Toilet Bowl Cleaner Cling Gel - 24 oz.
- Spring Waterfall - 0139122 v3.0

LYSOL® Brand (Kills 99.9% of Viruses & Bacteria) Toilet Bowl Cleaner Cling Gel - 24 oz.
- Lavender Scent - 0326108 v1.0

Issue date

27-Jan-2012

Effective date

15-Jan-2012

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.