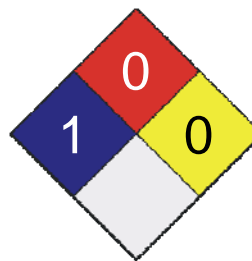


## 1. Product and Company Identification

**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

Eye, Skin contact, Inhalation, Ingestion.

#### Eyes

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
Diocetyl Dimethyl Ammonium Chloride	Not Applicable	< 1
Octyl Decyl Dimethyl Ammonium Chloride	Not Applicable	< 1

### 4. First Aid Measures

#### First aid procedures

<b>Eye contact</b>	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.
<b>Skin contact</b>	Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes.
<b>Inhalation</b>	Move to fresh air.
<b>Ingestion</b>	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

<b>Flammable properties</b>	Not flammable by OSHA criteria.
<b>Extinguishing media</b>	
<b>Suitable extinguishing media</b>	Treat for surrounding material.
<b>Unsuitable extinguishing media</b>	Not available
<b>Protection of firefighters</b>	
<b>Specific hazards arising from the chemical</b>	Not available
<b>Protective equipment for firefighters</b>	Firefighters should wear full protective clothing including self contained breathing apparatus.
<b>Hazardous combustion products</b>	May include and are not limited to: Oxides of nitrogen. Oxides of carbon.
<b>Explosion data</b>	
<b>Sensitivity to mechanical impact</b>	Not available
<b>Sensitivity to static discharge</b>	Not available

### 6. Accidental Release Measures

<b>Personal precautions</b>	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.
<b>Environmental precautions</b>	Do not discharge into lakes, streams, ponds or public waters. Not available
<b>Methods for containment</b>	Stop leak if you can do so without risk. Prevent entry into waterways, sewers, basements or confined areas.
<b>Methods for cleaning up</b>	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

<b>Handling</b>	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.
<b>Storage</b>	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	<b>ACGIH-TLV</b> Not established <b>OSHA-PEL</b> Not established
Didecyl Dimethyl Ammonium Chloride	<b>ACGIH-TLV</b> Not established <b>OSHA-PEL</b> Not established
Dioctyl Dimethyl Ammonium Chloride	<b>ACGIH-TLV</b> Not established <b>OSHA-PEL</b> Not established
Octyl Decyl Dimethyl Ammonium Chloride	<b>ACGIH-TLV</b> Not established <b>OSHA-PEL</b> Not established
Oxalic acid	<b>ACGIH-TLV</b> TWA: 1 mg/m3 STEL: 2 mg/m3 <b>OSHA-PEL</b> TWA: 1 mg/m3
Sodium hydroxide	<b>ACGIH-TLV</b> Ceiling: 2 mg/m3 <b>OSHA-PEL</b> TWA: 2 mg/m3
<b>Engineering controls</b>	General ventilation normally adequate.
<b>Personal protective equipment</b>	
<b>Eye / face protection</b>	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.
<b>Hand protection</b>	Wear impervious gloves where the potential for contact with the liquid is possible. Emergency responders should wear impermeable gloves.
<b>Skin and body protection</b>	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.
<b>Respiratory protection</b>	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.
<b>General hygiene considerations</b>	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.

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## 9. Physical and Chemical Properties

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<b>Appearance</b>	Clear Liquid
<b>Color</b>	characteristic
<b>Form</b>	aqueous solution
<b>Odor</b>	Characteristic
<b>Odor threshold</b>	Not available
<b>Physical state</b>	Liquid
<b>pH</b>	4 - 4.4
<b>Freezing point</b>	Not available
<b>Boiling point</b>	Not available
<b>Pour point</b>	Not available
<b>Evaporation rate</b>	Not available
<b>Flash point</b>	> 199.94 °F (> 93.3 °C) Tagliabue
<b>Auto-ignition temperature</b>	Not available
<b>Flammability limits in air, lower, % by volume</b>	Not available
<b>Flammability limits in air, upper, % by volume</b>	Not available
<b>Vapor pressure</b>	Not available
<b>Vapor density</b>	Not available
<b>Specific gravity</b>	0.990 - 1.010 @ 25°C
<b>Octanol/water coefficient</b>	Not available
<b>Solubility (H2O)</b>	Complete

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## 10. Stability and Reactivity

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<b>Reactivity</b>	This product may react with strong oxidizing agents.
<b>Possibility of hazardous reactions</b>	Hazardous polymerization does not occur.
<b>Chemical stability</b>	Stable under recommended storage conditions.
<b>Conditions to avoid</b>	Excessive heat. DO NOT MIX WITH BLEACH or use in conjunction with other household products.
<b>Incompatible materials</b>	Acids. Oxidizers.
<b>Hazardous decomposition products</b>	May include and are not limited to: Oxides of nitrogen. Oxides of carbon.

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## 11. Toxicological Information

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### Component analysis - LC50

<b>Ingredient(s)</b>	<b>LC50</b>
Alkyl (50%C14, 40%C12, 10%C16) dimethyl benzyl ammonium chlorides	Not available
Didecyl Dimethyl Ammonium Chloride	Not available
Diocetyl 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
Diocetyl 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

<b>Eye</b>	Causes substantial but temporary eye injury. Do not get into eyes.
<b>Skin</b>	None expected during normal conditions of use. Not expected to be a skin sensitizer.
<b>Inhalation</b>	None expected during normal conditions of use.
<b>Ingestion</b>	Health injuries are not known or expected under normal use.
<b>Sensitization</b>	Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.
<b>Chronic effects</b>	The finished product is not expected to have chronic health effects.
<b>Carcinogenicity</b>	The finished product is not expected to have chronic health effects.
<b>Mutagenicity</b>	The finished product is not expected to have chronic health effects.
<b>Reproductive effects</b>	The finished product is not expected to have chronic health effects.
<b>Teratogenicity</b>	The finished product is not expected to have chronic health effects.
<b>Name of Toxicologically Synergistic Products</b>	Not available

## 12. Ecological Information

<b>Ecotoxicity</b>	See below	
<b>Ecotoxicity - Freshwater Fish - Acute Toxicity Data</b>		
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]
<b>Ecotoxicity - Water Flea - Acute Toxicity Data</b>		
Oxalic acid	144-62-7	48 Hr EC50 Daphnia magna: 125 - 150 mg/L [Static]
<b>Persistence / degradability</b>	Not available	
<b>Bioaccumulation / accumulation</b>	Not available	
<b>Mobility in environmental media</b>	Not available	
<b>Environmental effects</b>	Not available	
<b>Aquatic toxicity</b>	Not available	
<b>Partition coefficient</b>	Not available	
<b>Chemical fate information</b>	Not available	

## 13. Disposal Considerations

<b>Disposal instructions</b>	CONTAINER DISPOSAL: Non-refillable container. Do not reuse or refill this container.  Dispose in accordance with all applicable regulations.
<b>Waste from residues / unused products</b>	Not available
<b>Contaminated packaging</b>	Not available

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## 14. Transport Information

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**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

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## 15. Regulatory Information

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### 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

### U.S. - CWA (Clean Water Act) - Hazardous Substances

Sodium hydroxide 1310-73-2 Present

### 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

**Section 302 extremely hazardous substance** No

**Section 311 hazardous chemical** Yes

**Clean Air Act (CAA)** Not available

**Clean Water Act (CWA)** Hazardous substance

## 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.