

1. Product and Company Identification

**Product Name** Lysol Brand II (Kills 99.9% of Viruses & Bacteria) Toilet Bowl Cleaner Complete Clean with Bleach

**UPC CODES** Refer to Section 16

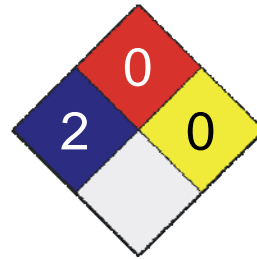
**CAS #** Mixture

**Product use** Bathroom cleaner

**Distributed by** Reckitt Benckiser  
 Morris Corporate Center IV  
 399 Interpace Parkway  
 P.O. Box 225  
 Parsippany, NJ 07054-0225  
 In Case of Emergency: 1-800-228-4722  
 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 the US FDA as a disinfectant.

PRECAUTIONARY STATEMENTS: Hazards to humans and domestic animals.

WARNING

CAUSES EYE AND SKIN IRRITATION.

Do not get in eyes, on skin or on clothing.

Vapors may irritate.

Use only in well-ventilated areas. Avoid prolonged breathing of vapor.

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.

PHYSICAL AND CHEMICAL HAZARDS: 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.

KEEP OUT OF REACH OF CHILDREN.

Potential short term health effects

Routes of exposure

Eye, Skin contact, Inhalation, Ingestion.

Eyes

Eye irritant.

Skin

Skin irritant.

Not expected to be a skin sensitizer.

Inhalation

Avoid breathing vapors. Odors 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, edema, drying, defatting and cracking of the skin. 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

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

### 3. Composition / Information on Ingredients

Ingredient(s)	CAS #	Percent
Sodium hypochlorite	7681-52-9	2.5 - 10
N,N-dimethyl-1-tetradecanamine, N-oxide	3332-27-2	1 - 2.5
Mortmorillonite	1318-93-0	0.1 - 1
Sodium hydroxide	1310-73-2	0.1 - 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>	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.
<b>Inhalation</b>	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.
<b>Ingestion</b>	Call a poison control center 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 center or doctor. Do not give anything by mouth to an unconscious person.

#### 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

<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>	Cool containers with flooding quantities of water until well after fire is out.
<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 carbon. Oxides of nitrogen. Hydrogen chloride. Chlorine.
<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>	Prevent further leakage or spillage if safe to do so. Do not contaminate water.
<b>Methods for containment</b>	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.
<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. Wipe up with absorbent material (e.g. cloth, fleece).

## 7. Handling and Storage

<b>Handling</b>	WARNING. Causes eye and skin irritation. HARMFUL IF SWALLOWED. Do not get in eyes, on skin or on clothing. For sensitive skin or prolonged use, wear rubber gloves. Vapors may irritate. Use only with adequate ventilation. Avoid prolonged breathing of vapor.
	Not recommended for use by persons with heart conditions or chronic respiratory problems such as asthma, emphysema or obstructive lung disease.
<b>Storage</b>	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.
	It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

## 8. Exposure Controls / Personal Protection

Exposure limits	
Ingredient(s)	Exposure Limits
Mortmorillonite	<b>ACGIH-TLV</b> Not established <b>OSHA-PEL</b> Not established
N,N-dimethyl-1-tetradecanamine, N-oxide	<b>ACGIH-TLV</b> Not established <b>OSHA-PEL</b> Not established
Sodium hydroxide	<b>ACGIH-TLV</b> Ceiling: 2 mg/m <sup>3</sup> <b>OSHA-PEL</b> TWA: 2 mg/m <sup>3</sup>
Sodium hypochlorite	<b>ACGIH-TLV</b> Not established <b>OSHA-PEL</b> Not established
<b>Engineering controls</b>	General ventilation normally adequate.
<b>Personal protective equipment</b>	
<b>Eye / face protection</b>	Safety goggles or glasses. 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.
<b>Respiratory protection</b>	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.
<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.

## 9. Physical and Chemical Properties

<b>Appearance</b>	Opaque.
<b>Color</b>	Blue
<b>Form</b>	Liquid
<b>Odor</b>	Apple.
<b>Odor threshold</b>	Not available

<b>Physical state</b>	Liquid
<b>pH</b>	12.7 - 13.2
<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>	> 200 °F (> 93.33 °C) Tag Closed Cup
<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>	1.05 - 1.07 @ 25°C
<b>Octanol/water coefficient</b>	Not available
<b>Solubility (H2O)</b>	Complete
<b>VOC (Weight %)</b>	Not available
<b>Viscosity</b>	Not available
<b>Percent volatile</b>	Not available

## 10. Stability and Reactivity

<b>Reactivity</b>	Reacts vigorously with acids.
<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>	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.
<b>Incompatible materials</b>	Oxidizers. Acids.
<b>Hazardous decomposition products</b>	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 <sup>3</sup> 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

<b>Eye</b>	Eye irritant.
<b>Skin</b>	Skin irritant. Not expected to be a skin sensitizer.
<b>Inhalation</b>	Avoid breathing vapors. Odors may irritate. Use only in a well ventilated area.
<b>Ingestion</b>	Harmful if swallowed.
<b>Sensitization</b>	The finished product is not expected to have chronic health effects.

<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>IARC - Group 3 (Not Classifiable)</b>	
Sodium hypochlorite	7681-52-9 Monograph 52 [1991] (listed under Hypochlorite salts)
<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>	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.	
<b>Ecotoxicity - Freshwater Algae - Acute Toxicity Data</b>		
Sodium hypochlorite	7681-52-9	24 Hr EC50 Skeletonema costatum: 0.095 mg/L
<b>Ecotoxicity - Freshwater Fish - Acute Toxicity Data</b>		
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]
<b>Ecotoxicity - Water Flea - Acute Toxicity Data</b>		
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]
<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>	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.
<b>Waste from residues / unused products</b>	Not available
<b>Contaminated packaging</b>	Not available

## 14. Transport Information

<b>U.S. Department of Transportation (DOT)</b>	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 - Canada)

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

## 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.

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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. 777-102

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

Sodium hydroxide	1310-73-2	1000 Lb final RQ; 454 kg final RQ
Sodium hypochlorite	7681-52-9	100 Lb final RQ; 45.4 kg final RQ

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

Sodium hydroxide	1310-73-2	Present
Sodium hypochlorite	7681-52-9	Present

### CERCLA (Superfund) reportable quantity

Sodium hypochlorite: 100.0000  
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)** Not available

**State regulations** This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

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

Sodium hydroxide 1310-73-2 Present  
 Sodium hypochlorite 7681-52-9 Present

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

Sodium hydroxide 1310-73-2 1000 Lb final RQ; 454 kg final RQ  
 Sodium hypochlorite 7681-52-9 100 Lb final RQ; 45.4 kg final RQ

**U.S. - Massachusetts - Right To Know List**

Sodium hydroxide 1310-73-2 Present  
 Sodium hypochlorite 7681-52-9 Present

**U.S. - Minnesota - Hazardous Substance List**

Sodium hydroxide 1310-73-2 Present  
 Sodium hypochlorite 7681-52-9 Present

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

Sodium hydroxide 1310-73-2 sn 1706  
 Sodium hypochlorite 7681-52-9 sn 1707

**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)  
 Sodium hypochlorite 7681-52-9 100 Lb RQ (air); 100 lb RQ (land/water)

**U.S. - Pennsylvania - RTK (Right to Know) List**

Sodium hydroxide 1310-73-2 Environmental hazard  
 Sodium hypochlorite 7681-52-9 Environmental hazard

**U.S. - Rhode Island - Hazardous Substance List**

Sodium hydroxide 1310-73-2 Toxic; Flammable

**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**

19200-80078-5 - LYSOL® Brand (Kills 99.9% of Viruses & Bacteria) Toilet Bowl Cleaner Complete Clean with Bleach - 2/24oz - 362087

19200-74246-7 - LYSOL® Brand (Kills 99.9% of Viruses & Bacteria) Toilet Bowl Cleaner Complete Clean with Bleach - 16 oz - 362087

19200-75055-4 - LYSOL® Brand (Kills 99.9% of Viruses & Bacteria) Toilet Bowl Cleaner Complete Clean with Bleach - 24 oz - 362087

**Issue date**

08-Apr-2011

**Effective date**

01-Apr-2011

**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.