

## 1. Product and Company Identification

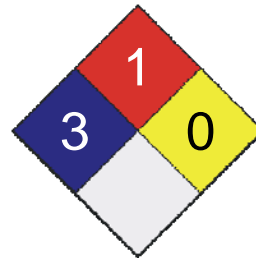
**Product Name** Professional LYSOL® Brand No Rinse Sanitizer  
**CAS #** Mixture  
**This MSDS is designed for workplace employees, emergency personnel and for other conditions and situations where there is a greater potential for large-scale or prolonged exposure, in accordance with requirements of the U.S. Government's Occupational Safety and Health Administration (OSHA).  
 This MSDS is not applicable for consumer use of our products. For consumer use, all precautionary and first aid language is provided on the product label in accordance with the applicable government regulation.**

**Product Use** Sanitizer

**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	* 3
Flammability	1
Physical Hazard	0
Personal Protection	D



## 2. Hazards Identification

**Emergency overview** This product is regulated by the US EPA as a disinfectant.  
 PRECAUTIONARY STATEMENTS: HAZARDS TO HUMANS AND DOMESTIC ANIMALS  
 DANGER -- CORROSIVE  
 Causes irreversible eye damage and skin burns. Harmful if swallowed or absorbed through skin.  
 Do not get in eyes, on skin or on clothing. Wear protective eyewear (safety glasses or faceshield), protective clothing and rubber gloves. Wash thoroughly with soap and water after handling.  
 Remove contaminated clothing and wash before reuse.  
 Avoid contamination of food. Avoid breathing spray mist.  
 KEEP OUT OF REACH OF CHILDREN.

**Potential short term health effects**

**Routes of exposure** Eye, Skin contact, Inhalation, Ingestion.  
**Eyes** Severely irritating to eyes. Risk of serious damage to eyes.  
**Skin** Severely irritating to the skin.  
**Inhalation** May cause respiratory tract irritation. Avoid breathing vapors, spray or mists.  
**Ingestion** Harmful if swallowed.

**Target organs** Blood. Eyes. Liver. Respiratory system. Skin.  
**Chronic effects** The finished product is not expected to have chronic health effects.  
**Signs and symptoms** The product causes burns of eyes, skin and mucous membranes.  
**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
Alkyl (C14 50%, C12 40%, C16 10%) dimethyl benzyl ammonium chloride	Not Applicable	2.5 - 10
Ethanol	64-17-5	1 - 2.5

### 4. First Aid Measures

#### First aid procedures

##### Eye contact

If in eyes, 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

If on skin or clothing: Remove contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control centre or doctor for treatment advice.

##### Inhalation

Move exposed person to fresh air. Get medical attention immediately.

##### Ingestion

If swallowed, 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

Probable mucosal damage may contraindicate the use of gastric lavage. 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.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

### 5. Fire Fighting Measures

#### Flammable properties

Not flammable by OSHA criteria.

#### Extinguishing media

##### Suitable extinguishing media

Water spray. Dry chemical. Foam.

##### 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 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. Advise authorities if product has penetrated drains, sewers or water pipes.

#### 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.

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## 7. Handling and Storage

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<b>Handling</b>	Ensure adequate ventilation. When using, do not eat, drink or smoke. Do not ingest. DANGER Corrosive material. Causes irreversible eye damage and skin burns. Do not get this material in your eyes, on your skin, or on your clothing. Harmful if swallowed or absorbed through skin. Avoid contamination of food. Avoid breathing mists or vapors. Wash hands thoroughly with soap and water after handling.
<b>Storage</b>	Store in original container in areas inaccessible to small children. Do not contaminate water, food or feed by storage or disposal. Keep securely closed.  It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

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## 8. Exposure Controls / Personal Protection

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### Exposure limits

Ingredient(s)	Exposure Limits
Alkyl (C14 50%, C12 40%, C16 10%) dimethyl benzyl ammonium chloride	<b>ACGIH-TLV</b> Not established <b>OSHA-PEL</b> Not established
Ethanol	<b>ACGIH-TLV</b> TWA: 1000 ppm STEL: 1000 ppm <b>OSHA-PEL</b> TWA: 1000 ppm

### Engineering controls

General ventilation normally adequate.

### Personal protective equipment

**Consult the product label for special protection or precautions that have been identified for using this product under directed consumer use conditions. The following recommendations are given for workplace employees, emergency personnel and for other conditions and situations where there is a greater potential for large-scale or prolonged exposure.**

#### Eye / face protection

Wear chemical goggles.  
Emergency responders should wear full eye and face protection.

#### Hand protection

Rubber gloves. Confirm with a reputable supplier first.  
Emergency responders should wear impermeable gloves.

#### Skin and body protection

If clothing or footwear becomes contaminated with the product, remove it immediately and completely decontaminate it before re-use, or discard it.  
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

Use good industrial hygiene practices in handling this material.  
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
<b>Color</b>	Colorless
<b>Form</b>	aqueous solution
<b>Odor</b>	Amine
<b>Odor threshold</b>	Not available
<b>Physical state</b>	Liquid
<b>pH</b>	7.7

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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	Not available
Octanol/water coefficient	Not available
Solubility (H2O)	Complete

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## 10. Stability and Reactivity

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<b>Reactivity</b>	This product may react with 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>	Exposure to moisture. Keep from freezing. Keep away from extreme heat. Do not mix with other products, soaps or detergents.
<b>Incompatible materials</b>	Caustics. Acids. Oxidizers.
<b>Hazardous decomposition products</b>	May include and are not limited to: Oxides of carbon.

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## 11. Toxicological Information

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### Component analysis - LC50

Ingredient(s)	LC50
Alkyl (C14 50%, C12 40%, C16 10%) dimethyl benzyl ammonium chloride	Not available
Ethanol	31623 ppm rat

### Component analysis - Oral LD50

Ingredient(s)	LD50
Alkyl (C14 50%, C12 40%, C16 10%) dimethyl benzyl ammonium chloride	Not available
Ethanol	3450 mg/kg mouse; 7060 mg/kg rat

### Effects of acute exposure

<b>Eye</b>	Severely irritating to eyes. Risk of serious damage to eyes.
<b>Skin</b>	Severely irritating to the skin.
<b>Inhalation</b>	May cause respiratory tract irritation. Avoid breathing vapors, spray or mists.
<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>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.

**Teratogenicity** The finished product is not expected to have chronic health effects.  
**Name of Toxicologically Synergistic Products** Not available

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## 12. Ecological Information

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**Ecotoxicity** See below

**Ecotoxicity - Freshwater Fish - Acute Toxicity Data**

Ethanol	64-17-5	96 Hr LC50 Oncorhynchus mykiss: 12.0 - 16.0 mL/L [static]; 96 Hr LC50 Pimephales promelas: >100 mg/L [static]; 96 Hr LC50 Pimephales promelas: 13400 - 15100 mg/L [flow-through]
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**Ecotoxicity - Water Flea - Acute Toxicity Data**

Ethanol	64-17-5	48 Hr LC50 Daphnia magna: 9268 - 14221 mg/L; 24 Hr EC50 Daphnia magna: 10800 mg/L; 48 Hr EC50 Daphnia magna: 2 mg/L [Static]
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**Persistence / degradability** Not available  
**Bioaccumulation / accumulation** Not available  
**Mobility in environmental media** Not available  
**Environmental effects** Not available  
**Aquatic toxicity** Toxic to fish  
**Partition coefficient** Not available  
**Chemical fate information** Not available

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## 13. Disposal Considerations

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**Disposal instructions** Dispose in accordance with all applicable regulations.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Non-refillable container. Do not reuse or refill this container. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Agitate vigorously and dispose of rinsate as pesticide waste. Repeat two more times. Then offer for recycling, if available or puncture and dispose of in a sanitary landfill or by incineration.

**Waste from residues / unused products** Not available  
**Contaminated packaging** Not available

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## 14. Transport Information

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**U.S. Department of Transportation (DOT)**

UN 1760, Corrosive Liquids, n.o.s. (N-Alkyl (C12-16)-N,N-dimethyl-N-benzylammonium chloride, Class 8, PG III, Limited Quantity

## Transportation of Dangerous Goods (TDG - Canada)

UN 1760, CORROSIVE LIQUID, N.O.S. (N-Alkyl (C12-16)-N,N-dimethyl-N-benzylammonium chloride, Class 8, PG III, Limited Quantity

## IMDG (Marine Transport)

UN 1760, CORROSIVE LIQUID, N.O.S. (N-Alkyl (C12-16)-N,N-dimethyl-N-benzylammonium chloride, Class 8, PG III

## IATA/ICAO (Air)

UN 1760, Corrosive Liquid, n.o.s. (N-Alkyl (C12-16)-N,N-dimethyl-N-benzylammonium chloride, Class 8, PG III

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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. 675-30

### U.S. - CAA (Clean Air Act) - Reactivity Factors for VOCs in Aerosol Coatings

Ethanol 64-17-5 1.69 G Ozone/g VOC Reactivity Factor

### U.S. - CAA (Clean Air Act) - Volatile Organic Compounds (VOCs) in SOCM

Ethanol 64-17-5 Present

### CERCLA (Superfund) reportable quantity

None

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**Hazard categories**  
 Immediate Hazard - Yes  
 Delayed Hazard - Yes  
 Fire Hazard - No  
 Pressure Hazard - No  
 Reactivity Hazard - No

**Section 302 extremely hazardous substance** No

**Section 311 hazardous chemical** Yes

**Clean Water Act (CWA)** Not available

**State regulations** This product is not subject to warning labeling under the California Proposition 65 regulation.

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

Ethanol 64-17-5 Teratogen

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

Ethanol 64-17-5 Present

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

Ethanol 64-17-5 sn 0844

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

Ethanol 64-17-5 Present

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

Ethanol 64-17-5 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**

Professional LYSOL® Brand No Rinse Sanitizer, 128 fl oz - 355303v3.0

**Issue date**

20-Jun-2013

**Effective date**

01-Jan-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.