

MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Product Name LYSOL® Brand Disinfectant Power Toilet Bowl Cleaner

UPC CODES Refer to Section 16

CAS # Mixture

Product use Toilet bowl cleaner

Manufacturer 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





2. Hazards Identification

Emergency overview DANGER

CORROSIVE TO EYES AND SKIN

This product may be harmful or fatal if swallowed. Avoid contact with eyes, skin or

clothing. Avoid breathing mists or vapors. Fumes are corrosive to metal.

Keep out of reach of children.

Potential short term health effects

Routes of exposure Eye, Skin contact, Inhalation, Ingestion.

Eyes Causes chemical burns. May cause blindness.

Skin Causes chemical burns.

Inhalation May cause respiratory tract irritation or chemical burns.

Ingestion Harmful if swallowed. May cause chemical burns to mouth, throat and stomach.

Target organs Eyes. Respiratory system. Skin.

Chronic effects Prolonged or repeated exposure to dilutions can cause drying, defatting and dermatitis.

Signs and symptoms The product causes burns of eyes, skin and mucous membranes.

3. Composition / Information on Ingredients

Ingredient(s)	CAS#	Percent
Hydrogen chloride	7647-01-0	10 - 20
Alcohols, C12-16, ethoxylated	68551-12-2	1 - 2.5
Ethoxylated aliphatic amines	61791-26-2	1 - 2.5

4. First Aid Measures

First aid procedures

Eye contactHold 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.

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Skin contact Immediately flush with cool water for 20 minutes while removing contaminated clothing

and shoes. Discard or wash well before reuse. Obtain medical attention if irritation

persists.

If symptoms develop move victim to fresh air. If symptoms persist, obtain medical Inhalation

attention.

Do not induce vomiting. If vomiting occurs naturally, have victim lean forward to reduce Ingestion

risk of aspiration. Never give anything by mouth if victim is unconscious, or is

convulsing. Obtain medical attention.

If the product is ingested, probable mucosal damage may contraindicate the use of Notes to physician

gastric lavage. Treat the affected person appropriately. 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

Not flammable by OSHA criteria. Flammable properties

Extinguishing media

Suitable extinguishing media Dry chemical. Water spray. Foam.

Unsuitable extinguishing media Not available

Protection of firefighters

Specific hazards arising from

the chemical

Protective equipment for firefighters

Not available

Firefighters should wear full protective clothing including self contained breathing

May include and are not limited to: Hydrogen chloride. Oxides of carbon.

apparatus.

Hazardous combustion products

Explosion data

Sensitivity to mechanical

impact

Not available

Not available Sensitivity to static discharge

6. Accidental Release Measures

Keep unnecessary personnel away. Do not touch or walk through spilled material. Do Personal precautions

not touch damaged containers or spilled material unless wearing appropriate protective

clothing. Keep people away from and upwind of spill/leak.

Stop leak if you can do so without risk. Prevent entry into waterways, sewers, Methods for containment

basements or confined areas.

Before attempting clean up, refer to hazard data given above. Small spills may be Methods for cleaning up

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. Large Spills: Wet down with water and dike for later disposal. After removal flush

contaminated area thoroughly with water.

7. Handling and Storage

Use good industrial hygiene practices in handling this material. Do not get this material Handling

in your eyes, on your skin, or on your clothing.

Keep out of the reach of children. Store in a closed container away from incompatible Storage

materials.

Exposure limits	
Ingredient(s)	Exposure Limits
Alcohols, C12-16, ethoxylated	ACGIH-TLV Not established OSHA-PEL Not established
Ethoxylated aliphatic amines	ACGIH-TLV Not established OSHA-PEL Not established
Hydrogen chloride	ACGIH-TLV Ceiling: 2 ppm OSHA-PEL
	Ceiling: 5 ppm
Engineering controls Personal protective equipment	General ventilation normally adequate.
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	Emergency responders should wear impermeable clothing and footwear when responding to a situation where contact with the liquid is possible.

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. Wash hands before breaks and immediately after handling the product.

9. Physical and Chemical Properties

Appearance Clear. Blue Color **Form** Liquid Odor Wintergreen Odor threshold Not available Liquid Physical state < 1 (Acidic) pН Not available Freezing point Not available Pour point Not available **Boiling point**

Flash point > 93.33 °C (> 200 °F) Tagliabue

Evaporation rate Flammability limits in air, lower, % by volume

Not available Not available

Flammability limits in air, upper, %

Not available

by volume

Vapor pressure Not available Not available Vapor density Specific gravity Not available Not available Octanol/water coefficient Complete Solubility (H2O)

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Auto-ignition temperature Not available Viscous Viscosity

10. Stability and Reactivity

Stable under recommended storage conditions.

Conditions to avoid Do not mix with other chemicals.

Reacts violently with alkaline material. This product may react with reducing agents.

Fumes are corrosive to metal.

Incompatible materials Bases. Reducing agents.

May include and are not limited to: Hazardous decomposition products

Hazardous polymerization does not occur. Possibility of hazardous reactions

11. Toxicological Information

Acute effects Acute LD50: 1350 mg/kg, Rat, Oral

Acute LD50: >2000 mg/kg, Rabbit, Dermal

Component analysis - LC50

Chemical stability

LC50 Ingredient(s)

Alcohols, C12-16, ethoxylated Not available Ethoxylated aliphatic amines Not available

Hydrogen chloride 935 ppm mouse; 3124 mg/l/4h rat

Component analysis - Oral LD50

LD50 Ingredient(s)

Alcohols, C12-16, ethoxylated 1380 mg/kg rat Ethoxylated aliphatic amines 620 mg/kg rat

Hydrogen chloride 900 mg/kg rabbit; 700 mg/kg rat

Effects of acute exposure

Causes chemical burns. May cause blindness. Eye

Causes chemical burns. Skin

Inhalation May cause respiratory tract irritation or chemical burns.

Ingestion Harmful if swallowed. May cause chemical burns to mouth, throat and stomach.

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

ACGIH - Threshold Limit Values - Carcinogens

Hydrogen chloride 7647-01-0 A4 - Not Classifiable as a Human Carcinogen

IARC - Group 3 (Not Classifiable)

Hydrogen chloride 7647-01-0 Monograph 54 [1992]

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

Not available Synergistic Materials

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.

Ecotoxicity - Freshwater Fish Species Data

7647-01-0 Hydrogen chloride 96 Hr LC50 Gambusia affinis: 282 mg/L [static]

Not available **Environmental effects** Not available Aquatic toxicity Not available Persistence / degradability Bioaccumulation / accumulation Not available

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Partition coefficient	Not available			
Mobility in environmental media	Not available			
Chemical fate information	Not available			
13. Disposal Considerations				
Waste codes	Not available			
Disposal instructions	Dispose in accordance with all applicable regulations.			
Waste from residues / unused products	Not available			
Contaminated packaging	Not available			
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14. Transport Information

U.S. Department of Transportation (DOT)

UN 1789, Hydrochloric Acid Solution, Class 8, PG II, Re-Classed as Consumer Commodity ORM-D

Transportation of Dangerous Goods (TDG - Canada)

UN 1789, Hydrochloric Acid Solution, Class 8, PG II, Re-Classed as Consumer Commodity / Limited Quantity

IMDG (Marine Transport)

UN 1789, Hydrochloric Acid Solution, Class 8, PG II, Limited Quantity

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15. Regulatory Information

US Federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard

Communication Standard, 29 CFR 1910.1200.

All components are on the U.S. EPA TSCA Inventory List.

EPA Registration No. - 777-81

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

Hydrogen chloride 7647-01-0 5000 Lb final RQ; 2270 kg final RQ U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs Hydrogen chloride 7647-01-0 5000 Lb EPCRA RQ (gas only)

U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQsHydrogen chloride 7647-01-0 500 Lb TPQ (gas only)

U.S. - CERCLA/SARA - Section 313 - Emission Reporting

Hydrogen chloride 7647-01-0 1.0 % de minimis concentration (acid aerosols including mists, vapors, gas, fog, and other

airborne forms of any particle size)

U.S. - CWA (Clean Water Act) - Hazardous Substances
Hydrogen chloride 7647-01-0 Present

Occupational Safety and Health Administration (OSHA)

29 CFR 1910.1200 hazardous Yes

chemical

CERCLA (Superfund) reportable quantity

Hydrogen chloride: 5000.0000

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

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

Hydrogen chloride 7647-01-0 Present

U.S. - Illinois - Toxic Air Contaminants

Hydrogen chloride 7647-01-0 Present (aerosol)

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

Hydrogen chloride 7647-01-0 5000 Lb RQ (applies to unauthorized emissions based on total mass emitted into or onto

all media within any consecutive 24-hour period); 1000 lb RQ (applies to unauthorized

emissions based on total mass emitted into the atmosphere)

U.S. - Massachusetts - Right To Know List

Hydrogen chloride 7647-01-0 Extraordinarily hazardous

U.S. - Minnesota - Hazardous Substance List

Hydrogen chloride 7647-01-0 Present **U.S. - New Jersey - Right to Know Hazardous Substance List** Hydrogen chloride 7647-01-0 sn 1012

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

Hydrogen chloride 7647-01-0 5000 Lb RQ (air); 100 lb RQ (land/water)

U.S. - North Carolina - Control of Toxic Air Pollutants

Hydrogen chloride 7647-01-0 0.7 mg/m3 (acute irritants) **U.S. - Ohio - Extremely Hazardous Substances - Threshold Quantities**Hydrogen chloride 7647-01-0 500 Lb TQ (gas only)

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

Hydrogen chloride 7647-01-0 Environmental hazard

U.S. - Rhode Island - Hazardous Substance List

Hydrogen chloride 7647-01-0 Toxic; Flammable

U.S. - Texas - Tier II Chemical Reporting - Extremely Hazardous Substances - Reportable Quantities

Hydrogen chloride 7647-01-0 5000 Lb RQ (gas)

U.S. - Texas - Tier II Chemical Reporting - Extremely Hazardous Substances - Threshold Planning Quantities

Hydrogen chloride 7647-01-0 500 Lb TPQ (gas)

Inventory status

Country(s) or region Inventory name On inventory (yes/no)*

United States & Puerto Rico Toxic Substances Control Act (TSCA) Inventory

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

Yes

hazards that exist.

Recommended use It is a violation of Federal law to use this product in a manner inconsistent with its

labeling.

Further information 19200-02518-LYSOL® Brand Disinfectant Power Toilet Bowl -16oz.

FORMULA NUMBER 353846 EPA Registration No. - 777-81

19200-02522-LYSOL® Brand Disinfectant Power Toilet Bowl-24 oz.

FORMULA NUMBER 353846 EPA Registration No. - 777-81

19200-79174-LYSOL® Brand Disinfectant Power Toilet Bowl-2/24 oz.

FORMULA NUMBER 353846 EPA Registration No. - 777-81

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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.