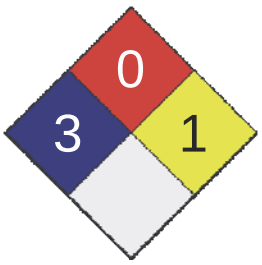
MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Product Name	**LYSOL® Brand Disinfectant Power Toilet Bowl Cleaner with Lime and Rust Remover**
	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

Health	*	3
Flammability		0
Physical Hazard		1
Personal Protection		D



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 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	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.
Inhalation	If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention.
Ingestion	Do not induce vomiting. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Never give anything by mouth if victim is unconscious, or is convulsing. Obtain medical attention.
Notes to physician	If the product is ingested, probable mucosal damage may contraindicate the use of 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

Flammable properties	Not flammable by OSHA criteria.
Extinguishing media	
Suitable extinguishing media	Dry chemical. Water spray. 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: Hydrogen chloride. 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.
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 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

Handling	Use good industrial hygiene practices in handling this material. Do not get this material in your eyes, on your skin, or on your clothing.
Storage	Keep out of the reach of children. Store in a closed container away from incompatible materials.

8. Exposure Controls / Personal Protection

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 General ventilation normally adequate.

Personal protective equipment

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.

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.
Color	Blue
Form	Liquid
Odor	Wintergreen
Odor threshold	Not available
Physical state	Liquid
pH	< 1 (Acidic)
Freezing point	Not available
Pour point	Not available
Boiling point	Not available
Flash point	> 93.33 °C (> 200 °F) Tagliabue
Evaporation rate	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

Auto-ignition temperature	Not available
Viscosity	Viscous

10. Stability and Reactivity

Chemical stability	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.
Hazardous decomposition products	May include and are not limited to:
Possibility of hazardous reactions	Hazardous polymerization does not occur.

11. Toxicological Information

Acute effects

Acute LD50: 1350 mg/kg, Rat, Oral
Acute LD50: >2000 mg/kg, Rabbit, Dermal

Component analysis - LC50

Ingredient(s)	LC50
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

Ingredient(s)	LD50
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

Eye	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.
Sensitization	The finished product is not expected to have chronic health effects.
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.
Teratogenicity	The finished product is not expected to have chronic health effects.
Synergistic Materials	Not available

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

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

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

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

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

UN 1789 - Hydrochloric Acid solution, Class 8, PG II

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 TPQs

Hydrogen 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 chemical Yes

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 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

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	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.

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

Further information 19200-80088-LYSOL® Brand Disinfectant Power Toilet Bowl Cleaner with Lime and Rust Remover -24 oz.
FORMULA NUMBER 353846
EPA Registration No. - 777-81

Issue date 30-Oct-2009

Effective date 31-Oct-2009

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.