

SAFETY DATA SHEET

Lloyds Laboratories Inc.

Toilet Bowl Cleaner – Part # 99520

1. IDENTIFICATION OF THE SUBSTANCE OR PREPARATION AND OF THE COMPANY

Identification of Preparation: Toilet Bowl Cleaner.
Date of Safety Data Sheet: December 8, 2016
Use of Preparation: Toilet Bowl Cleaner.
Company Identification: Lloyds Laboratories Inc.
613 Neal Drive,
Peterborough,
Ontario K9J 6X7

Company Telephone Number: 1 800 361-6766.

24 Hour Telephone Number: CANUTEC 613-996-6666 or *666 for cell phone.

2. HAZARD IDENTIFICATION

2.1. Classification of the Substance or Mixture

Classification (GHS)

Met. Corr. 1	H290
Acute Tox. 4 (Oral)	H302
Skin Corr. 1A	H314
Eye Dam. 1	H318

Label Elements

GHS-US Labeling

Hazard Pictograms (GHS):



Signal Word (GHS): Danger.

Hazard Statements (GHS):

H290 - May be corrosive to metals.
H302 - Harmful if swallowed.
H314 - Causes severe skin burns and eye damage.
H318 - Causes serious eye damage.

Precautionary Statements (GHS):

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- P234 - Keep only in original container.
- P260 - Do not breathe vapours, spray, mist.
- P264 - Wash hands, forearms, and exposed areas thoroughly after handling.
- P270 - Do not eat, drink or smoke when using this product.
- P271 - Use only outdoors or in a well ventilated area.
- P280 - Wear eye protection, protective gloves, protective clothing.
- P301+P312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
- P301+P330+P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
- P303+P361+P353 - IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
- P304+P340 - IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing.
- P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P310 - Immediately call a POISON CENTER or doctor/physician.
- P321 - Specific treatment (see Section 4).
- P363 - Wash contaminated clothing before reuse.
- P390 - Absorb spillage to prevent material damage.
- P405 - Store locked up.
- P406 - Store in corrosive resistant container with a resistant inner liner.
- P501 - Dispose of contents/container according to local, regional, national, and international regulations.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Description: Chemical blend

Ingredient	CAS #	% by Wt	Classification
Hydrogen chloride	7647-01-0	23	Acute Tox. 4 (Oral), H302 Skin Corr. 1B, H314 Eye Dam. 1, H318 STOT SE 3, H335

4. FIRST AID MEASURES

- Inhalation:** Remove to fresh air. If symptoms persist consult physician.
- Eye Contact:** Remove contacts. Flush with water for at least 20 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.

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Skin Contact: Thoroughly wash exposed skin with soap and water. Remove any contaminated clothing and wash before reuse.

Ingestion: Wash out mouth with water. Drink plenty of water. Do not induce vomiting unless directed by medical personnel. Never give anything to an unconscious person. Get medical aid.

Notes to Physician: Treatment based on judgment of attending physician.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media: Any standard extinguishing media (alcohol foam, water spray or fog, CO2 dry chemical, etc.).

Unsuitable extinguishing media: None known.

Special exposure hazards

Special safety equipment: Self-contained positive pressure breathing apparatus and protective clothing.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures
General Measures: Do not get in eyes, on skin, or on clothing. Do not breathe vapour or mist.
For Non-Emergency Personnel
Protective Equipment: Use appropriate personal protection equipment (PPE).
Emergency Procedures: Evacuate unnecessary personnel.
For Emergency Personnel
Protective Equipment: Equip cleanup crew with proper protection.
Emergency Procedures: Stop leak if safe to do so. Ventilate area.
Environmental Precautions
Prevent entry to sewers and public waters.
Methods and Material for Containment and Cleaning Up
For Containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.
Methods for Cleaning Up: Clear up spills immediately and dispose of waste safely.
Reference to Other Sections: See Heading 8. Exposure controls and personal protection.

7. HANDLING AND STORAGE

Precautions for safe handling:
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
Avoid splashes or spray in enclosed areas.
Information about fire - and explosion protection:
Keep respiratory protective device available.
No special measures required.
Conditions for safe storage, including any incompatibilities
Acids, Oxidizers, reducing agents.

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- **Storage:**
- **Requirements to be met by storerooms and receptacles:**
 Store in a cool location.
 Protect from humidity and water.
 Unsuitable material for receptacle: steel.
 Unsuitable material for receptacle: aluminium.
 Avoid storage near extreme heat, ignition sources or open flame.
- **Information about storage in one common storage facility:**
 Do not store together with alkaline products or strong acids.
 Store away from oxidizing agents.
 Store away from foodstuffs.
- **Further information about storage conditions:**
 Store in cool, dry conditions in well sealed receptacles.
 Store receptacle in a well ventilated area.
 Keep container tightly sealed.
- **Specific end use(s):** No further relevant information available.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

7647-01-0 Hydrogen chloride (gas and aerosol mists)
 1 ppm 2 gr/.m3 TWA (8 h)
 5 ppm 8 gr./m3 STEL (15 min)

- Respiratory protection:** Use local exhaust or dilution ventilation.
- Hand protection:** Chemical resistant gloves.
- Eye protection:** Safety goggles or full face shield.
- Skin protection:** Use body-covering impervious clothing.
- Working hygiene:** Take usual precautions when handling. Workers should wash hands before eating, drinking or smoking.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties

Physical State	Liquid.	Odour	Pungent.
Appearance	Milky white.	Odour Threshold	No data available.
Colour	White.		

<u>Property</u>	<u>Values</u>	<u>Remarks/Method</u>
pH	< 1.0	None known.
Melting/Freezing Point	No data available.	None known.
Boiling Point/Range	No data available.	None known.
Flash Point	Not applicable.	None known.

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Evaporation Rate	Similar.	None known.
Flammability (solid, gas)	Not flammable.	None known.
Flammability Limit in Air:		
Upper Limit	No data available.	None known.
Lower Limit	No data available.	None known.
Vapour Pressure	No data available.	None known.
Vapour density	No data available.	None known.
Specific Gravity	1.12-1.16 g/cm ³ .	
Water Solubility	Soluble in water.	None known.
Solubility Other Solvents	No data available.	None known.
Partition Coefficient:		
n-octanol/water	No data available.	None known.
Autoignition temperature	No data available.	None known.
Decomposition	No data available.	None known.
Temperature		
Kinematic Viscosity	No data available.	None known.
Dynamic Viscosity	No data available.	None known.
Explosive Properties	No data available.	None known.
Oxidizing Properties	No data available.	None known.

Other Properties:

Softening Point	No data available.
VOC Content %	No data available.
Particle Size	No data available.
Particle Size Distribution	No data available.

10. STABILITY AND REACTIVITY

Stability: Hydrochloric acid is stable under normal conditions and pressures.

Conditions to avoid: Incompatible materials, metals, excess heat, bases.

Incompatibility: Bases, amines, metals, permanganates, (e.g. potassium permanganate), fluorine, metal acetylides, hexalithium disilicide.

Hazardous decomposition products: Hydrogen chloride, chlorine, hydrogen gas.

Polymerization: Hazardous polymerization WILL NOT occur.

Information on toxicological effects

Acute Toxicity: Harmful if swallowed.

LD/LC50 values relevant for classification:

Hydrochloric Acid, 37% w/w (7647-01-0)
LD50 oral rat 700 mg/kg

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LD50 dermal rabbit 5010 mg/kg

Skin Corrosion/Irritation: Causes severe skin burns and eye damage. (pH: < 1)

Serious Eye Damage/Irritation: Causes serious eye damage. (pH: <1)

Respiratory or Skin Sensitization: Not classified.

Germ Cell Mutagenicity: Not classified.

Carcinogenicity: Not classified.

12. ECOLOGICAL INFORMATION

Toxicity:

Hydrogen Chloride, 37% w/w (7647-01-0)

LC50 fishes 282 mg/l (96 h; Gambusia affinis; PURE SUBSTANCE)
1

EC50 < 56 mg/l (72 h; Daphnia magna; PURE SUBSTANCE)

Daphnia 1

LC50 fish 2 862 mg/l (Leuciscus idus; PURE SUBSTANCE)

TLM fish 1 282 ppm (96 h; Gambusia affinis; PURE SUBSTANCE)

Persistence and Degradability Not available.

Bioaccumulative Potential

Not available.

Mobility in Soil

Not available.

Other Adverse Effects

Other Information:

Avoid release to the environment.

13. DISPOSAL

Waste Disposal Recommendations: Dispose of waste material in accordance with all local, regional, national, and international regulations.

Ecology – Waste Materials: Avoid release to the environment.

14. TRANSPORTATION INFORMATION

Transportation of dangerous goods act Canada.

Proper Shipping Name CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.
(HYDROCHLORIC ACID SOLUTION)

Hazard Class : 8

Identification Number : 3264

Label Codes : 8

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Packing Group : II



15. REGULATION

WHMIS 1988-symbols:

D2B - Toxic material causing other toxic effects.

E - Corrosive material.



16. OTHER INFORMATION

The manufacturer warrants that this product conforms to its standard specification when used according to direction. To the best of our knowledge the information contained herein is accurate. However we do not assume accuracy or completeness of the information contained herein.

Final determination of the 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.

Prepared By: Technical Department

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