

SAFETY DATA SHEET

Lloyds Laboratories Inc.

Concrete Remover/Cleaner (Acid based-Buffered) – Part # 87120, 87145

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

Identification of Preparation: Concrete Remover/Cleaner (Acid based-Buffered)

Date of Safety Data Sheet: 12 May 2016

Use of Preparation: Concrete Remover/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):



GHS05

GHS07

Signal Word (GHS-US): Danger.

Hazard Statements (GHS-US):

H290 - May be corrosive to metals.

H302 - Harmful if swallowed.

H314 - Causes severe skin burns and eye damage.

H318 - Causes serious eye damage.

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Precautionary Statements (GHS-US):

P234 - Keep only in original container.

P260 - Do not breathe vapors, spray, mist.

P264 - Wash hands, forearms, and exposed areas thoroughly after handling.

P270 - Do not eat, drink or smoke when using this product.

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	7-15	Acute Tox. 4 (Oral), H302 Skin Corr. 1B, H314 Eye Dam. 1, H318 STOT SE 3, H335

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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.
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.

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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.

· 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.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear liquid.	Specific Gravity:	Not available.
Colour:	Pink.	Solubility in water:	Soluble.
Odour:	Typical- cherry like.	%VOC	0.0
pH:	>1.0.	Flash point:	Not applicable.
Boiling point/boiling range:	Not established.	Inflammation:	Not flammable.

10. STABILITY AND REACTIVITY

Reactivity: The substance decomposes on heating, on contact with acids and under influence of light producing toxic and corrosive gases including. The substance is a strong oxidant and reacts with combustible and reducing materials.

Chemical Stability: Stable under recommended handling and storage conditions (see section 7).

Possibility of Hazardous Reactions: Hazardous polymerization will not occur.

Conditions to Avoid: Direct sunlight. Extremely high or low temperatures. Contact with metallic substances.

Incompatible Materials: Metals. Reducing agents. Strong acids.

Hazardous Decomposition Products: Carbon oxides (CO, CO₂). Sodium oxides.

11. TOXICOLOGICAL INFORMATION

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

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;

1 PURE SUBSTANCE)

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

Daphnia 1 PURE SUBSTANCE)

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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.

UN 1760, Corrosive Liquid, Hydrochloric Acid Solution, Class *, PG II.



15. REGULATION

WHMIS-symbols:

D2B - Toxic material causing other toxic effects.

E - Corrosive material.



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16. OTHER INFORMATION

Prepared by: Technical Department

Issuing Date: May 12, 2016

Disclaimer:

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.

End of Safety Data Sheet