SAFETY DATA SHEET
Lloyds Laboratories Inc.
Drain Opener – Part #99550

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

Identification of Preparation: Drain Opener

Date of Safety Data Sheet: April 5, 2017

Use of Preparation: Drain opener.

Company Identification:
Lloyds Laboratories Inc.
613 Neil 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 Canada)
Physical hazards
Not Classified.
Health hazards
Skin Corr. 1B - H314.
Eye Dam. 1 - H318.
Environmental hazards
Not Classified.

Label Elements
GHS Labeling
Hazard Pictograms (GHS):

GHS05
Signal Word (GHS): Danger.

Hazard Statements (GHS):

H314 - Causes severe skin burns and eye damage.
H318 - Causes serious eye damage.

Precautionary Statements (GHS):
P102 Keep out of reach of children.
P260 Do not breathe mist, spray or vapours.
P260 Wash exposed skin thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340 IF INHALED: Remove person to fresh air and keep 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 CENTRE or doctor/physician
P363 Wash contaminated clothing before reuse.
P501 Dispose of contents/container in accordance with local regulations.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Description: Chemical blend.

Ingredient	CAS #	% by Wt	Classification
Sulphuric acid	7664-93-9	35-60	Skin corr.1A, H314 Eye Dam.1, H318

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.

Medical Conditions Generally Aggravated by Exposure: Persons with pre-existing skin disorders and/or respiratory disorders (e.g. Asthma-like conditions) may be more susceptible to the effects of this material, and may be aggravated by exposure to this material.

Summary of Acute Health Hazards: Concentrated sulfuric acid will effectively remove the elements of water from many organic materials with which it comes in contact. It is even more rapidly injurious to mucous membranes and exceedingly dangerous to the eyes. **Ingestion:** Corrosive. Causes serious burns of the mouth or perforation of the esophagus or stomach. May be fatal if swallowed. **Inhalation:** Corrosive and highly toxic. May be harmful or fatal if

inhaled. May cause severe irritation and burns of the nose, throat and respiratory tract. **Skin:** Corrosive. Splashes on the skin will cause severe skin burns. Burning and charring of the skin are a result of the great affinity for, and strong exothermic reaction with, water. Direct contact can be severely irritating to the skin and may result in redness, swelling, burns and severe skin damage. **Eyes:** Corrosive. Direct contact with the liquid or exposure to vapours or mists may cause stinging, tearing, redness, swelling, corneal damage and irreversible eye damage. Splashes in the eyes will cause severe burns. Contact lenses should not be worn when working with this chemical.

Effects of Overexposure: May cause severe irritation and burns of the mouth, nose, throat, respiratory and digestive tract, coughing, nausea, vomiting, abdominal pain, chest pain, pneumonitis (inflammation of the fluid in the lungs), pulmonary edema (accumulation of the fluid in the lungs), and perforation of the stomach. Overexposure to acid mists has been reported to cause erosion to tooth enamel. **Note to Physicians:** Sulfuric acid is reported to cause pulmonary function impairment. Periodic surveillance is indicated. Sulfuric acid may cause acute lung damage. Surveillance of the lungs is indicated. Ingestion may cause gastroesophageal perforation. Perforation may occur within 72 hours, but along with abscess formation, can occur weeks later. Long term complications may include esophageal, gastric or pyloric strictures or stenosis.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media:	Any standard extinguishing media (alcohol foam, water spray or fog, CO_2 dry chemical, etc.).
Unsuitable extinguishing media:	Do not use heavy water stream.
Special exposure hazards:	Reacts exothermically with water.
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), including full face shield, gloves and protective clothing.
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
Oxidizers, reducing agents and strong bases.
· **Storage:**
· **Requirements to be met by storerooms and receptacles:**
Store in a cool location.
Protect from humidity and water.
Unsuitable material for receptacle: steel, aluminum, bronze, iron, lead, tin, zinc.
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.
Store away from oxidizing and reducing 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

Sulphuric acid
ACGIH TLV (United States, 3/2012).
C:0. 2 mg/m³
OSHA PEL (United States, 6/2010).
TWA: 1mg/m³

Respiratory protection:

Hand protection:	Chemical resistant gloves.
Eye protection:	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

Appearance:	Clear liquid.	**Specific Gravity:**	1.49g/ ml
Colour:	Water like to amber.	**Solubility in water:**	Soluble.
Odour:	Typical.	**%VOC**	0.0
pH:	< 1.0	**Flash point:**	Not applicable.

Boiling point/boiling range: Not established.

Inflammation: Not flammable.

10. STABILITY AND REACTIVITY

Reactivity: Thermal decomposition generates: corrosive vapours.
Chemical Stability: Stable under recommended handling and storage conditions (see section 7).
Possibility of Hazardous Reactions: Reacts violently with some bases: release of heat.
Conditions to Avoid: Direct sunlight. Extremely high or low temperatures. Contact with metallic substances.
Incompatible Materials: Metals. Reducing agents. Bases.
Hazardous Decomposition Products: Sulphur compounds. Thermal decomposition generates: corrosive vapours.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects
Acute Toxicity: Harmful if swallowed.

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

Aquatic and terrestrial toxicity
Product/ingredient name Result Species Exposure
Ecotoxicity: Not established.

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.
RCRA Waste Code: D002 (Corrosive Material).
Diluted product can be flushed to sanitary sewer. Discard empty container in trash.

14. TRANSPORTATION INFORMATION

Transportation of dangerous goods act Canada.

Certain shipping modes or package sizes may have exceptions from the transport regulations. The classification provided may not reflect those exceptions and may not apply to all shipping modes or package sizes.

Classification

TDG Proper shipping name	**Class**	**Packing group**
UN 1830 Sulphuric acid (with more than 51 % acid)	8	II

15. REGULATION

WHMIS-symbols:

D2B - Toxic material causing other toxic effects.

E - Corrosive material.

16. OTHER INFORMATION

Prepared By: Technical department

Issuing Date: April 5, 2017

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