

**MATERIAL SAFETY DATA SHEET**

**SECTION I PRODUCT IDENTIFICATION**



**PRODUCT NAME:** DECLOG (L2010) **EMERGENCY TEL:** CANUTEC  
(613) 996-6666

**PRODUCT USE:** Drain Opener

**MANUFACTURERS NAME:** CHEMISPHERE SOLUTIONS LTD.

**ADDRESS:** 15 CALDER PLACE, ST. ALBERT, AB T8N 5A6

**SUPPLIER:**

**WHMIS CLASSIFICATION:**  E Corrosive Liquid  D1A Very Toxic

**TDG CLASSIFICATION:** Corrosive Liquid Class 8 UN 1830 SULFURIC ACID PG II

**SECTION II HAZARDOUS INGREDIENTS**

MATERIAL	%	CAS NUMBER	TOXICITY DATA: LD50, LC50
Sulfuric Acid	60-100	7664-93-9	LD50 (Oral, Rat) 2140 mg.kg LC50 (Inhalation, Guinea Pig) 18 mg/m3

**SECTION III PHYSICAL DATA**

<b>PHYSICAL STATE:</b>	Liquid	<b>VAPOUR PRESSURE: (mmHg)</b>	0.0001 mmHg
<b>COLOUR:</b>	Dark liquid	<b>VAPOUR DENSITY: (AIR=1)</b>	(air=1) 3.4
<b>ODOUR:</b>	Odorless	<b>EVAPORATION RATE:</b>	(water = 1) –1
<b>BOILING POINT:</b>	315-338 Deg. C.	<b>SPECIFIC GRAVITY:</b>	1.83 g/ml @ 20 Deg. C.
<b>FREEZING POINT:</b>	10.4 Deg. C.	<b>pH:</b>	0.1-0.2 @ 20 Deg. C.
<b>SOLUBILITY:</b>	100%	<b>ODOUR THRESHOLD:</b>	n.av.
		<b>COEFFICIENT OF WATER/OIL:</b>	n.av.

**SECTION IV FIRE AND EXPLOSION DATA**

**FLASH POINT (TEST METHOD)** n.ap.

**FLAMMABILITY LIMITS IN AIR, % BY VOLUME** Non-flammable **LOWER:** n.ap. **UPPER:** n.ap.

**AUTO-IGNITION TEMP.:** n.ap.

**MEANS OF EXTINCTION:** As for surrounding fire.

**HAZARDOUS COMBUSTION PRODUCTS:** Sulfur trioxide

**SPECIAL FIREFIGHTING PROCEDURES:** n.ap.

**EXPLOSION DATA – SENSITIVITY TO MECHANICAL IMPACT:** n.ap.

**EXPLOSION DATA – SENSITIVITY TO STATIC DISCHARGE:** n.ap.

**MATERIAL SAFETY DATA SHEET****SECTION V REACTIVITY DATA**

<b>CHEMICAL STABILITY:</b>	Chemical is unstable under very high temperatures.
<b>CHEMICAL INCOMPATIBILITY (MATERIAL &amp; CONDITIONS):</b>	Water, oxidizing material, strong alkali's, strong oxidizing and reducing agents, all chlorates, fulminates, carbides and pirates (reacts with water and steam to release heat).
<b>HAZARDOUS DECOMPOSITION PRODUCTS:</b>	Sulfur trioxide.

**SECTION VI TOXICOLOGICAL PROPERTIES**

<b>ROUTE OF ENTRY - SKIN CONTACT:</b>	X	<b>EYE CONTACT:</b>	X
<b>INGESTION:</b>	X	<b>INHALATION:</b>	X

**EFFECTS OF EXPOSURE – ACUTE AND CHRONIC:**

Skin – May cause severe burning and irritation.

Eyes – May cause severe burning and irritation.

Ingestion – Acute – Sulfuric acid is strongly dehydrating, contact results in severe burns. Systemic toxic effects may occur secondary to local tissue injury. Chronic – repeated contact with dilute solutions may cause dermatitis.

Inhalation - Repeated inhalation of spray may cause inflammation of respiratory tract.

<b>EXPOSURE LIMITS:</b>	n.av.
<b>SENSITIZATION TO PRODUCT:</b>	n.av.
<b>CARCINOGENICITY:</b>	n.av.
<b>REPRODUCTIVE TOXICITY:</b>	n.av.
<b>TERATOGENICITY:</b>	n.av.
<b>MUTAGENICITY:</b>	n.av.
<b>TOXICOLOGICALLY SYNERGISTIC PRODUCTS</b>	None known.

**SECTION VII PERSONAL PROTECTIVE EQUIPMENT**

<b>GLOVES:</b>	Rubber, neoprene or polyethylene gloves.
<b>EYES:</b>	Face shield.
<b>FOOTWEAR:</b>	Rubber boots.
<b>RESPIRATOR:</b>	Not normally required.
<b>CLOTHING:</b>	Chemical resistant clothing or neoprene apron.

**SECTION VIII PREVENTATIVE MEASURES**

<b>STORAGE REQUIREMENTS:</b>	Store in original container in a cool, dry area. Avoid contact with combustible Materials and other chemicals.
<b>SHIPPING INFORMATION:</b>	TDG regulated.
<b>LEAK AND SPILLAGE PROCEDURES:</b>	Ventilated area and don protective clothing. Cover spill with absorbent sand or dry earth, then CAREFULLY dilute with water.
<b>HANDLING PROCEDURES:</b>	Do not mix with water or any other chemicals. Maintain adequate ventilation. Use the recommended protective clothing.
<b>WASTE DISPOSAL:</b>	Use absorbent and landfill, or dilute with water, then neutralize and flush to sewer.

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**SECTION IX FIRST AID MEASURES**

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**EYES:** Flush with water for 15 minutes, occasionally lifting both eyelids. See physician immediately.

**SKIN:** Prolonged application of running water. See physician for treatment of burns.

**INGESTION:** If victim is conscious, rinse mouth well and give large volumes of water to drink (an ice or snow slurpy is best). Get immediate medical attention. Shock symptoms often develop in severe cases.

**INHALATION:** Remove patient to fresh air. If breathing stops, give artificial respiration. Seek medical attention.

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**SECTION X PREPARATION INFORMATION**

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**PREPARED BY:** TECHNICAL DEPARTMENT

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**TELEPHONE:** (780) 460-4670

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**DATE:** MARCH 2018

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IMPORTANT: The information presented herein is believed to be accurate and is offered only as a guide. Users should make their own tests to determine the suitability of these products for their own particular purposes. Users assume all risk of use, storage and handling of the product. No warranty, express or implied, is made including, but not limited to, implied warranties of merchantability and fitness for a particular purpose. Nothing contained herein shall be construed as a license to operate under, or recommendation to infringe any patents.

n.av – Not Available

n.ap – Not Applicable