

SAFETY DATA SHEET

## Section 1: IDENTIFICATION

**Product Identifier:** DETERGENT L

**Other Means of Identification:** Anionic Surfactant

**Recommended Use:** Drilling Fluid Additive

**Supplier:** Bri-Chem Supply Ltd.  
27075 Acheson Road  
Acheson, AB T7X 6B1  
780-962-9490

**Emergency Phone No:** ChemTrec, (800) 424-9300, 24/7

## Section 2: HAZARD(S) IDENTIFICATION

### Classification

Acute toxicity (Oral) – Category 2; Skin irritation – Category 2; Eye irritation – Category 2B

### Label Elements



**Signal Word:** Danger

**Hazard Statements:** Fatal if swallowed. Causes skin irritation. Causes eye irritation.

**Precautionary Statement(s)**

**Prevention:** Wash hands and skin thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves.

**Response**

**If Swallowed:** Immediately call a POISON CENTRE or doctor.

**If on Skin:** Wash with plenty of water

**If in Eyes:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**If Skin Irritation Occurs:** Get medical advice or attention

**If Eye Irritation Persists:** Get medical advice or attention

Take off contaminated clothing and wash it before reuse.

**Storage:** Store locked up

**Disposal:** Dispose of contents and container in accordance with local, regional, national and international regulations.

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## Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	%	Other Identifiers	Other Names
1,2 Ethanediol (Ethylene Glycol)	107-21-1	10-30		
Alkyl Sulfonic Acid	27176-87-0	3-7		
Triethanolamine	102-71-6	1-5		

## Section 4: FIRST-AID MEASURES

### First-Aid Measures

<b>Inhalation:</b>	Move to fresh air. If breathing is difficult, trained personnel should administer emergency oxygen if advised to do so by Poison Centre or doctor. If breathing has stopped, trained personnel should begin rescue breathing. If adverse symptoms develop, seek medical attention.
<b>Skin Contact:</b>	Remove contaminated clothing, launder before re-use. Wash gently and thoroughly with lukewarm, gently flowing water and non-abrasive soap. If irritation develops or persists, seek medical attention.
<b>Eye Contact:</b>	Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for at least 15 minutes, while holding the eyelid(s) open. Obtain medical attention.
<b>Ingestion:</b>	DO NOT INDUCE VOMITING. Get immediate medical attention.

## Section 5: FIRE-FIGHTING MEASURES

### Extinguishing Media

<b>Suitable Extinguishing Media:</b>	Dry chemical, carbon dioxide, foam, water.
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### Specific Hazards Arising from the Chemical

<b>Flash Point:</b>	> 100°C
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<b>Hazardous Combustion Products:</b>	None known
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<b>Special Protective Equipment and Precautions for Fire-fighters:</b>	Water will cause extreme slipperiness
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## Section 6: ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions, Protective Equipment and Emergency Procedures:</b>	Use the personal protective equipment recommended in Section 8 of this safety data sheet.
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<b>Environmental Precautions:</b>	It is good practice to prevent releases into the environment. Do not allow into any sewer, on the ground or into any waterway.
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**Methods and Materials for Containment and Cleaning Up:**

Stop or reduce leak if safe to do so. Small spills, soak up with absorbent material. Large spills, dike to contain spill to prevent water pollution. Water will cause extreme slipperiness. Return recovered material to plant.

**Section 7: HANDLING AND STORAGE**

**Precautions for Safe Handling:**

Avoid ingestion. Avoid skin and eye contact. Practice reasonable caution and personal cleanliness. Handle in accordance with good industrial hygiene and safety practice. It is good practice to: avoid breathing product; avoid skin and eye contact and wash hands after handling.

**Conditions for Safe Storage:**

Store in a cool, dry, well-ventilated place. Keep container tightly closed and away from incompatible materials.

**Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION**

(1,2 Ethanediol (Ethylene Glycol))

ACGIH® = American Conference of Governmental Industrial Hygienists

TLV® = Threshold Limit Value

TWA = Time-Weighted Average.

CL (Ceiling Limit): 50 ppm (vapour)

OSHA = US Occupational Safety and Health Administration.

PEL = Permissible Exposure Limits.

TWA = Time-Weighted

Average. CL (Ceiling Limit): 50 ppm.

**Appropriate Engineering Controls:**

Provide mechanical ventilation to prevent dust concentrations and to reduce potential exposure

**Individual Protection Measures**

**Eye/Face Protection:**

Wear chemical safety goggles

**Skin Protection:**

Use protective clothing and gloves that provide comprehensive protection.

**Respiratory Protection:**

A NIOSH-approved dust respirator is recommended.

**Section 9: PHYSICAL AND CHEMICAL PROPERTIES**

**Basic Physical and Chemical Properties**

**Appearance:**

Blue liquid

**Odour:**

Mild

**Odour Threshold:**

Not available

**pH:**

7 – 8

**Melting Point/Freezing Point:**

Not applicable (melting); Not applicable (freezing)

**Initial Boiling Point/Range:**

105 °C

**Flash Point:**

> 100 °C

**Evaporation Rate:**

Not available

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**Upper/Lower Flammability or Explosive Limit:** Not available (upper); Not available (lower)

**Vapour Pressure:** Not available

**Vapor Density (air=1):** Not available

**Relative Density (water=1):** 1.022

**Solubility:** Insoluble in water

**Other Information**

**Physical State:** Liquid

**Bulk Density:** Not available

**Surface Tension:** Not available

**Critical Temperature:** Not available

**Saturated Vapour Concentration:** Not available

**Section 10: STABILITY AND REACTIVITY**

**Chemical Stability:** Normally stable

**Possibility of Hazardous Reactions:** Hazardous polymerization will not occur

**Incompatible Materials:** Oxidizing agents, reducing agents, metals, acids, alkali

**Hazardous Decomposition Products:** Carbon dioxide, sulphur dioxide.

**Section 11: TOXICOLOGICAL INFORMATION**

**General Irritancy of Product:** Medium. Effects of acute or chronic exposure are not determined.

**Likely Routes of Exposure:** Skin contact, eye contact, inhalation, ingestion

**Acute Toxicity:** (1,2 Ethanediol (Ethylene Glycol))  
LD50 Oral Rat: 4700 mg/kg  
(Triethanolamine)  
LD50 Oral Rat: 8g/kg  
(1,2 Ethanediol (Ethylene Glycol))  
LD50 Derman Rabbit: 9530 mg/kg

**Skin Corrosion/Irritation:** May cause redness with swelling and pain

**Serious Eye Damage/Irritation:** Liquid, vapour or mist causes irritation, experienced as stinging, excess blinking and tear production, with excess redness of the conjunctiva. Injury to the cornea is not expected.

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**STOT (Specific Target Organ Toxicity) – Single Exposure**

**Inhalation:** May cause irritation of the nose and throat with headache, particularly from mist. High vapour concentrations caused, for example, by heating the material in an enclosed and poorly ventilated workplace, may cause nausea, vomiting, headache, dizziness and irregular eye movements.

**Ingestion:** May cause abdominal discomfort or pain, nausea, diarrhea, oliguria, uremia and central nervous system effects including irregular eye movement, convulsions and coma. Cardiac failure and pulmonary edema may develop. Severe kidney damage follows swallowing of large amounts of ethylene glycol. May be fatal.

**Respiratory and/or Skin Sensitization**

**Triethanolamine:** Reports of skin sensitization in workers

**Reproductive Toxicity**

**Development of Offspring**

**Teratogenicity:** Ethylene Glycol is very toxic

**Embryotoxicity:** Not available

**No Information was Located For:** Carcinogenicity, Sexual function and fertility, germ cell mutagenicity, interactive effects.

**Section 12: ECOLOGICAL INFORMATION**

No ecotoxicity or environmental fate data available.

**Section 13: DISPOSAL CONSIDERATIONS**

**Disposal Methods:** Dispose of in accordance with federal, provincial and local government regulations. Containers should not be re-used. Containers should be disposed of in accordance with government guidelines.

**Section 14: TRANSPORT INFORMATION**

Not regulated under Canadian TDG regulations.

**Special Precautions:** Not applicable

**Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code:** Not applicable

## Section 15: REGULATORY INFORMATION

### Safety, Health and Environmental Regulations

#### Canada

#### WHMIS 1988

#### Classification:

#### Class D2A; D2B



D2A – Very Toxic; D2B – Toxic (Skin irritant; Eye irritant)

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all of the information required by the Controlled Products Regulations.

## Section 16: OTHER INFORMATION

### Disclaimer:

The information contained herein is based on data available to us and is believed to be true and accurate. However, no guarantee or warranty is provided, expressed or implied, by the company or its subsidiaries regarding accuracy of the information, the hazards connected with the use of the material, or the results to be obtained from the use thereof. Since the use of this product is within the exclusive control of the user, we do not assume any responsibility and expressly disclaim any liability for any use of this product. It is the user's responsibility to determine the conditions of safe use, storage, and disposal of the product. Compliance with all applicable federal, provincial, and local regulations remains the responsibility of the user.

**Prepared by:** Bri-Chem Supply Ltd.

**Revision Date:** June 18, 2024