

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

Inhalation:	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.
Skin Contact:	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.
Eye Contact:	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.
Ingestion:	DO NOT INDUCE VOMITING. Get immediate medical attention.

Section 5: FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media: Dry chemical, carbon dioxide, foam, water.

Specific Hazards Arising from the Chemical

Flash Point: > 100°C

Hazardous Combustion Products: None known

Special Protective Equipment and Precautions for Fire-fighters: Water will cause extreme slipperiness

Section 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures: Use the personal protective equipment recommended in Section 8 of this safety data sheet.

Environmental Precautions: 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.

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