

DETERGENT L

SECTION 1. IDENTIFICATION

Product Identifier DETERGENT L
Other Means of Identification Anionic Surfactant
Recommended Use Drilling Fluid Additive.
Supplier Bri-Chem Supply Ltd., Bay 4, 5510 - 3rd Street SE, Calgary, Alberta, T2H 1J9, Bri-Chem Supply, 403-252-5904, www.brichemsupply.com
Emergency Phone No. ChemTrec, (800) 424-9300, 24/7

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Acute toxicity (Oral) - Category 2; Skin corrosion/irritation - Category 2; Serious eye damage/eye irritation - Category 2B

GHS Label Elements



Signal Word:

WARNING!

Do not ingest.

May cause abdominal discomfort or pain, nausea, diarrhea, oligurea, uremia and central nervous system effects including irregular eye movement, convulsions and coma.

Sever kidney damage follows swallowing of large amounts of ethylene glycol.

May be fatal.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	%	Other Identifiers
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. Give 2 glasses of water. Get immediate medical attention. If medical attention is delayed and the person has swallowed a moderate amount, give 3-4 ounces of hard liquor such as whiskey.

SECTION 5. FIRE-FIGHTING MEASURES

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.

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

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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 available (melting); Not available (freezing)
Initial Boiling Point/Range Point	105 °C Flash > 100 °C
Evaporation Rate	Not available
Upper/Lower Flammability or Explosive Limit	Not available (upper); Not available (lower)
Vapour Pressure	Not available
Vapour Density (air = 1)	Not available
Relative Density (water = 1)	1.022
Solubility	Soluble in water
Auto-ignition Temperature	Not available
Decomposition Temperature	Not available
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: 8 g/kg

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LD50 Dermal 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.

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, oligurea, uremia and central nervous system effects including irregular eye movemnet, 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 for User 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 Classification



Class D2A; D2B

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

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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

SDS Prepared By Bri-Chem Supply Ltd

Phone No. (403) 252-5904

Date of Preparation January 18, 2016

Disclaimer This Health and Safety information is correct to the best of our knowledge and belief at the date of its publication, but we cannot accept liability for any loss, injury or damage which may result from its use. We shall ensure, so far as is reasonably practicable, that any revision of this Data Sheet is sent to all customers to whom we have directly supplied this substance, but must point out that it is the responsibility of any intermediate supplier to ensure that such revision is passed to the ultimate user. The information given in the Data Sheet is designed only as guidance for safe handling, storage, and the use of the substance. It is not a specification nor does it guarantee any specific properties. All chemicals should be handled only by competent personnel, within a controlled environment. Should further information be required, this can be obtained through the sales office whose address is at the top of this data sheet.

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