

Ultrafloc L

SECTION 1. IDENTIFICATION

Product Identifier	Ultrafloc L
Other Means of Identification	Anionic water-soluble polymer in emulsion
Product Family	Shale Control Inhibitor / Flocculation Agent
Recommended Use	Drilling Fluid Additive.
Supplier Identifier	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. HAZARD IDENTIFICATION

Classification

Not classified under any hazard class.

Label Elements

Not applicable

Other Hazards

Spills produce EXTREMELY slippery surfaces.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	%	Other Identifiers
Anionic water-soluble polymer in emulsion			

SECTION 4. FIRST-AID MEASURES

First-aid Measures

Inhalation

Remove to fresh air. No hazards which require special first aid measures.

Skin Contact

Wash off immediately with soap and plenty of water. In case of skin irritation, consult a physician.

Eye Contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get prompt medical attention.

Ingestion

Rinse mouth with water. Do not induce vomiting. Call a physician or poison control centre immediately.

First-aid Comments

If exposed or concerned, get medical advice or attention.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media

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Suitable Extinguishing Media

Water, water spray, foam, dry powder, carbon dioxide (CO₂).

Specific Hazards Arising from the Product

Spills produce EXTREMELY slippery surfaces.

Carbon oxides (CO_x), nitrogen oxides (NO_x), hydrogen cyanide (hydrocyanic acid) may be produced in the event of combustion in an oxygen deficient atmosphere.

Special Protective Equipment and Precautions for Fire-fighters

Wear self-contained breathing apparatus and protective suit.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

Do not touch or walk through spilled material. Spills produce extremely slippery surfaces.

Environmental Precautions

Avoid contaminating water.

Methods and Materials for Containment and Cleaning Up

Small spills: Do not flush with water. Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal.

Large spills: Do not flush with water. Dam up. Clean up promptly by scoop or vacuum.

Residues: Soak up with inert absorbent material. After cleaning, flush away traces with water.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling

Avoid contact with skin and eyes. Renders surfaces extremely slippery when spilled. When using, do not eat, drink or smoke.

Conditions for Safe Storage

Keep away from heat and sources of ignition. Freezing will affect the physical condition and may damage the material. Incompatible with oxidizing agents.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Appropriate Engineering Controls

Use local exhaust if misting occurs. Natural ventilation is adequate in absence of mists.

Individual Protection Measures

Eye/Face Protection

Safety glasses with side shields. Do not wear contact lenses.

Skin Protection

Rubber gloves are recommended. Chemical-resistant apron or protective suit if splashing or repeated contact with solution is likely.

Respiratory Protection

No personal respiratory protective equipment normally required.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Basic Physical and Chemical Properties

Appearance	Milky viscous liquid.
Odour	Aromatic
Odour Threshold	Not available
pH	6.5 - 7.5
Melting Point/Freezing Point	< 5 °C (melting); Not available (freezing)
Initial Boiling Point/Range	> 100 °C

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Flash Point	> 93 °C
Vapour Pressure	2.3 kPa at 20 °C
Vapour Density (air = 1)	0.804
Relative Density (water = 1)	1.02 - 1.06
Solubility	Soluble in all proportions in water; Not available (in other liquids)
Decomposition Temperature	> 150 °C
Viscosity	20.5 mm ² /s (kinematic)
Other Information	
Physical State	Liquid

SECTION 10. STABILITY AND REACTIVITY

Chemical Stability

Normally stable.

Possibility of Hazardous Reactions

Hazardous polymerization will not occur.

Incompatible Materials

Oxidizing agents may cause exothermic reactions.

Hazardous Decomposition Products

Thermal decomposition may produce carbon oxides and nitrogen oxides.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute Toxicity

LD50 Oral Rat: > 5000 mg/kg

LD50 Dermal Rat: > 5000 mg/kg

Skin Corrosion/Irritation

Non-irritating to the skin

Serious Eye Damage/Irritation

Non-irritating

STOT (Specific Target Organ Toxicity) - Single Exposure

Inhalation

The product is not expected to be toxic by inhalation.

Ingestion

The product is not considered toxic based on studies on laboratory animals.

Aspiration Hazard

Due to the viscosity, this product does not present an aspiration hazard.

STOT (Specific Target Organ Toxicity) - Repeated Exposure

No Known effects

Respiratory and/or Skin Sensitization

Not sensitizing

Carcinogenicity

Not carcinogenic

Reproductive Toxicity

Sexual Function and Fertility

Not toxic for reproduction.

Germ Cell Mutagenicity

Not mutagenic

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No information was located for: Development of Offspring, Effects on or via Lactation, Interactive Effects

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Fish: LC50/Oncorhynchus mykiss/96 hr > 100 mg/L
Algae: IC50/Scenedesmus subspicatus/72 hr >100 mg/L
Daphnia: EC50/48 hr > 100 mg/L

Persistence and Degradability

Not readily biodegradable.

Bioaccumulative Potential

The product is not expected to bioaccumulate.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal Methods

In accordance with federal, provincial and local guidelines.
Rinse empty containers with water and use the rinse-water to prepare the working solution. The product and its packaging are not suitable for recycling.

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

Not a WHMIS controlled product.

Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL)

All components of this product are either listed on the inventory or are exempt from listing.

SECTION 16. OTHER INFORMATION

NFPA Rating **Health - 0** **Flammability - 1** **Instability - 0**

SDS Prepared By Bri-Chem Supply Ltd

Phone No. (403) 252-5904

Date of Preparation September 29, 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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