

Safety Data Sheet

Section 1. Identification		
Product Identifier	Agent XC1	Version: 1 Effective Date: 2022/02/11
Other Means Of Identification	None	
Initial Supplier Identifier	Blackstone Drilling Fluids Limited 1600, 510 – 5 th Street SW Calgary, AB T2P 3S2 Tel: 403-262-5955	
Recommended Use and Restrictions On Use	Drilling and coil tubing lubricant. No restrictions.	
Product Family	Blend	
24 Hour Emergency	Canutec (613) 996-6666	

Section 2. Hazard Identification	
Hazard Classification	Not a regulated product
Signal Word	None
Hazard Statement	None
Precautionary Prevention Statement	Non Hazardous.
Precautionary Response Statement	Non Hazardous
Precautionary Storage Statement	Non Hazardous
Precautionary Disposal Statement	Non Hazardous
Other Hazards	None

Section 3. Composition / Information on Ingredients			
Chemical Name	Common Name or Synonyms	CAS NO. and Other Unique Identifiers	% by weight
Ingredients are considered non-hazardous and constitute a proprietary blend			

Section 4. First-Aid Measures	
Eye Contact	Flush eyes with water for 15 minutes. Seek medical attention.
Skin Contact	Wash with water and soap.

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Inhalation	Remove victim to fresh air. If there is difficulty breathing, seek immediate medical attention.
Ingestion	Rinse mouth with water if conscious. Do not induce vomiting. Lay victim on left side to prevent aspiration of any vomit. Seek immediate medical attention.
Most Important Symptoms and Effects Both Acute and Delayed	Product is not hazardous.
Immediate Medical Attention and Special Treatment	None required.

Section 5. Fire-Fighting Measures

Suitable and Unsuitable Extinguishing Media	Use extinguishing media suitable for surrounding fire.
Hazardous Combustion Products	Oxides of carbon..
Specific Hazards Arising From the Product	In case of spill, floor will become slippery.
Special Protective Equipment and Precautions For Fire-Fighters	Fire-fighters should wear self-contained breathing apparatus and full protective clothing.

Section 6. Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures	Gloves, safety glasses and footwear suitable for workplace. Evacuate all unnecessary personnel.
Environmental Precautions	This material is considered non-hazardous and completely biodegradable. Large volumes, however should not be allowed to enter the surface water system.
Methods and Materials For Containment and Clean-Up	Mop, soak or pump up spill material. Place in a suitable container for disposal. Wash area with soap and water to remove residues which can cause a slip hazard.

Section 7. Handling and Storage

Precautions For Safe Handling	Handle with care
Conditions For Safe Storage	Keep containers closed when not in use.

Section 8. Exposure Controls and Personal Protection

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Control Parameters	TWA: 8 Hr	STEL: 15 min	Ceiling	IDLH *
All component ingredients of this product are considered non-hazardous and do not have exposure limits established.				
Exposure Controls	Local exhaust ventilation			
Appropriate Engineering Controls	None required.			
Individual Protective Measures				
Eye / Face Protection	Safety glasses.			
Skin Protection	None required.			
Respiratory Protection	None required.			

Section 9. Physical and Chemical Properties	
Appearance	Brown viscous liquid
Odour	Mild
Odour Threshold	Not data
pH	Not applicable
Flash Point	310 °C
Boiling Point and Boiling Range	Not data
Melting Point / Freezing point	-25 °C
Evaporation Rate	Not data
Flammability (solid, gas)	Not applicable
Upper and Lower Flammability or Explosive Limits	No data
Vapour Pressure	Not data
Vapour Density	Not data
Relative Density	0.94
Solubility	Dispersible
Partition co-efficient, n-Octanol/Water	No data
Auto-ignition Temperature	Not available
Decomposition Temperature	No data
Viscosity	No data

Section 10. Stability and Reactivity	
Reactivity	Stable.
Chemical Stability	The product is stable
Possibility of Hazardous Reactions	Will not occur
Conditions to Avoid	Elevated temperatures or fire conditions (this material will burn if sufficient heat is applied).
Incompatible Materials	Strong oxidisers.

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Hazardous Decomposition Products	Not expected to decompose under normal conditions of use.
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Section 11. Toxicological Information

Component Toxicity	LD50 Oral	LD50 Dermal	LC50 Inhalation
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The ingredients are not hazardous.

Likely Routes of Exposure

Skin:	None expected under normal conditions of use.
Eyes:	None expected under normal conditions of use.
Inhalation:	No hazard expected under normal conditions of use.
Ingestion:	Harmful effects not expected in small amounts.

Acute Toxicity Estimates (ATE)	No data
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STOT (Specific Target Organ Toxicity) – Single Exposure	No hazard
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Aspiration Toxicity	No hazard
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STOT (Specific Target Organ Toxicity) – Repeated Exposure	No hazard
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Skin Corrosion / Irritation	None expected
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Serious Eye Damage / Irritation	None expected
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Respiratory or Skin Sensitization	None expected
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Carcinogenicity	Not listed.
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Reproductive Toxicity	
- Sexual Function and Fertility	Not hazardous

- Development of Offspring	Not hazardous
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- Effects on or via Lactation	Not hazardous
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Germ Cell Mutagenicity	Not hazardous
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Interactive Effects	None
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Other Information	N/A
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Section 12. Ecological Information

Ecotoxicity	No data
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Persistence and Degradability	Readily degradable
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Bioaccumulative Potential	Not expected to bio accumulate
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Biodegradability	Readily biodegradable.
Mobility in Soil	No data
Other Adverse Effects	N/A

Section 13. Disposal considerations

Disposal Considerations	Dispose of contents / container in accordance with local regulations.
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Section 14. Transport Information

UN Number	None
UN Proper Shipping Name	None
Transport Hazard Class(es)	None
Packaging Group	None
Environmental Hazards	Not applicable
Bulk Transport	Not applicable
Special Precaution	Not applicable
DOT Erg#	Not applicable

Section 15. Regulatory Information

Canada – DSL Inventory	All components of this product are on the Domestic Substances List (DSL)
TSCA	All components of this product are on the Toxic Substances Control Act (TSCA) Inventory List
Additional Information	None

Section 16. Other Information

NFPA Rating	Health-0/ Flammability-0/Reactivity-0/Special Hazard-Not applicable
HMIS Rating	Health-0/Flammability-0/Reactivity-0/Personal Protection-See Section 8.
Prepared by:	Blackstone Drilling Fluids, Technical Department
Date Prepared:	2022/02/11
Date of Latest Revision:	