

# Safety Data Sheet

Section 1. Identification	
<b>Product Identifier</b>	MCI-2
	<b>Version: 1</b> <b>Effective Date: 2021/30/07</b>
<b>Other Means Of Identification</b>	None
<b>Initial Supplier Identifier</b>	Blackstone Drilling Fluids Limited 215 9 Ave SW Suite 700 Calgary, AB T2P 1K3 Tel: 403-262-5955
<b>Recommended Use and Restrictions On Use</b>	Drilling Fluid additive. No restrictions.
<b>Product Family</b>	Organic acid
<b>24 Hour Emergency</b>	Canutec (613) 996-6666

Section 2. Hazard Identification	
<b>Hazard Classification</b>	Not hazardous
<b>Health Hazard</b>	Not hazardous
<b>Signal Word</b>	None
<b>Hazard Statement</b>	No known significant effects or critical hazards.
<b>Precautionary Prevention Statement</b>	Not hazardous
<b>Precautionary Response Statement</b>	Not hazardous
<b>Precautionary Storage Statement</b>	Store in well ventilated place.
<b>Precautionary Disposal Statement</b>	Dispose of contents/container to an approved waste disposal plant.
<b>Other Hazards</b>	None

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

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

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<b>Inhalation</b>	Remove victim to fresh air. If there is difficulty breathing, seek immediate medical attention.
<b>Ingestion</b>	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.
<b>Most Important Symptoms and Effects Both Acute and Delayed</b>	Product is not hazardous.
<b>Immediate Medical Attention and Special Treatment</b>	None required.

Section 5. Fire-Fighting Measures	
<b>Suitable and Unsuitable Extinguishing Media</b>	Use extinguishing media suitable for surrounding fire.
<b>Hazardous Combustion Products</b>	Oxides of carbon.
<b>Specific Hazards Arising From the Product</b>	None known
<b>Special Protective Equipment and Precautions For Fire-Fighters</b>	Fire-fighters should wear self-contained breathing apparatus and full protective clothing.

Section 6. Accidental Release Measures	
<b>Personal Precautions, Protective Equipment and Emergency Procedures</b>	Gloves, safety glasses and footwear suitable for workplace. Evacuate all unnecessary personnel.
<b>Environmental Precautions</b>	This material is considered non-hazardous. Large volumes, however should not be allowed to enter the surface water system.
<b>Methods and Materials For Containment and Clean-Up</b>	Mop up split material. Place in a suitable container for disposal. Wash area with soap and water to remove residues.

Section 7. Handling and Storage	
<b>Precautions For Safe Handling</b>	Handle with care
<b>Conditions For Safe Storage</b>	Keep containers closed when not in use.

Section 8. Exposure Controls and Personal Protection				
<b>Control Parameters</b>	<b>TWA: 8 Hr</b>	<b>STEL: 15 min</b>	<b>Ceiling</b>	<b>IDLH *</b>

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Not determined	
<b>Exposure Controls</b>	Local exhaust ventilation
<b>Appropriate Engineering Controls</b>	Not required.
<b>Individual Protective Measures</b>	
<b>Eye / Face Protection</b>	None required.
<b>Skin Protection</b>	None required.
<b>Respiratory Protection</b>	None required.

Section 9. Physical and Chemical Properties	
<b>Appearance</b>	Off-white powder
<b>Odour</b>	Faint
<b>Odour Threshold</b>	Not data
<b>pH</b>	3.0 (10% solution)
<b>Flash Point</b>	Not available
<b>Boiling Point and Boiling Range</b>	Not data
<b>Melting Point / Freezing point</b>	Not available
<b>Evaporation Rate</b>	Not data
<b>Flammability (solid, gas)</b>	No data
<b>Upper and Lower Flammability or Explosive Limits</b>	No data
<b>Vapour Pressure</b>	Not data
<b>Vapour Density</b>	Not data
<b>Relative Density</b>	No data
<b>Solubility</b>	Soluble in water
<b>Partition co-efficient, n-Octanol/Water</b>	No data
<b>Auto-ignition Temperature</b>	No data
<b>Decomposition Temperature</b>	No data
<b>Viscosity</b>	No data

Section 10. Stability and Reactivity	
<b>Reactivity</b>	Stable.
<b>Chemical Stability</b>	The product is stable
<b>Possibility of Hazardous Reactions</b>	Will not occur
<b>Conditions to Avoid</b>	Elevated temperatures or fire conditions.
<b>Incompatible Materials</b>	Strong oxidisers.
<b>Hazardous Decomposition Products</b>	Not expected to decompose under normal conditions of use.

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<b>Section 11. Toxicological Information</b>	
<b>Component Toxicity</b>	<b>LD50 Oral      LD50 Dermal      LC50 Inhalation</b>
The ingredients are not hazardous.	
<b>Likely Routes of Exposure</b>	
<b>Skin:</b>	No hazard expected under normal conditions of use.
<b>Eyes:</b>	No hazard expected under normal conditions of use.
<b>Inhalation:</b>	No hazard expected under normal conditions of use.
<b>Ingestion:</b>	Harmful effects not expected in small amounts.
<b>Acute Toxicity Estimates (ATE)</b>	No data
<b>STOT (Specific Target Organ Toxicity) – Single Exposure</b>	No hazard
<b>Aspiration Toxicity</b>	No hazard
<b>STOT (Specific Target Organ Toxicity) – Repeated Exposure</b>	No hazard
<b>Skin Corrosion / Irritation</b>	No hazard
<b>Serious Eye Damage / Irritation</b>	No hazard
<b>Respiratory or Skin Sensitization</b>	None expected
<b>Carcinogenicity</b>	Not listed.
<b>Reproductive Toxicity</b>	
- <b>Sexual Function and Fertility</b>	Not hazardous
- <b>Development of Offspring</b>	Not hazardous
- <b>Effects on or via Lactation</b>	Not hazardous
<b>Germ Cell Mutagenicity</b>	Not hazardous
<b>Interactive Effects</b>	None
<b>Other Information</b>	N/A

<b>Section 12. Ecological Information</b>	
<b>Ecotoxicity</b>	No data
<b>Persistence and Degradability</b>	Expected to be readily biodegradable.
<b>Bioaccumulative Potential</b>	Not expected to bioaccumulate.
<b>Biodegradability</b>	Readily biodegradable.
<b>Mobility in Soil</b>	No data

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<b>Other Adverse Effects</b>	N/A
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## Section 13. Disposal considerations

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

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

## Section 15. Regulatory Information

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

## Section 16. Other Information

<b>NFPA Rating</b>	Health-0/ Flammability-0/Reactivity-0/Special Hazard-Not applicable
<b>HMIS Rating</b>	Health-0/Flammability-0/Reactivity-0/Personal Protection-See Section 8.
<b>Prepared by:</b>	<b>Blackstone Drilling Fluids</b> , Technical Department
<b>Date Prepared:</b>	2021/30/07
<b>Date of Latest Revision:</b>	