

**SECTION 1. IDENTIFICATION**

**Product Identifier** JetCore  
**Product Family** Blend  
**Recommended Use** Drilling Fluid Additive.  
**Supplier Identifier** Blackstone Drilling Fluids Ltd., 1600, 510 - 5th Street S.W., Calgary, Alberta, T2P 3S2, 403-262-5955  
**Emergency Phone No.** CANUTEC, 613-996-6666 or \*666 on a cellular phone (Canada Only), 24 Hours / Day

**SECTION 2. HAZARD IDENTIFICATION**

Classified according to Canada's Hazardous Products Regulations (WHMIS 2015).

**Classification**

Combustible dust - Category 1; Carcinogenicity - Category 1

**Label Elements**



Signal Word:

Danger

Hazard Statement(s):

May form combustible dust concentrations in air.

H350 May cause cancer.

Precautionary Statement(s):

Prevention:

P201 Obtain special instructions before use.

Response:

P308 + P313 IF exposed or concerned: Get medical advice/attention.

Storage:

P405 Store locked up.

Disposal:

P501 Dispose of contents and container in accordance with local, regional, national and international regulations.

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Mixture:

Chemical Name	CAS No.	%	Other Identifiers
Silica, quartz	14808-60-7	0.1-1	

**Notes**

Concentrations are expressed in % weight/weight.

The specific chemical identity and/or exact percentage of composition (concentration) has been withheld as a trade secret.

### SECTION 4. FIRST-AID MEASURES

#### First-aid Measures Inhalation

Move to fresh air. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek medical attention if irritation develops or persists. If breathing is difficult, administer oxygen. **Skin Contact**

Take off immediately contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Wash gently and thoroughly with lukewarm, gently flowing water and mild soap for 5 minutes. Seek medical attention if irritation develops or persists. **Eye Contact**

Rinse the contaminated eye(s) with lukewarm, gently flowing water for 5 minutes, while holding the eyelid(s) open. If eye irritation persists, get medical advice or attention. **Ingestion**

Rinse mouth with water. Never give anything by mouth if person is rapidly losing consciousness, or is unconscious or convulsing. Do not induce vomiting. Seek medical attention.

#### Immediate Medical Attention and Special

**Treatment Target Organs** Lungs.

### SECTION 5. FIRE-FIGHTING MEASURES

#### Extinguishing Media Suitable Extinguishing Media

Carbon dioxide, dry chemical powder, appropriate foam, water spray or fog. **Unsuitable Extinguishing Media** Water Jet.

#### Special Protective Equipment and Precautions for Fire-fighters

The use of self-contained breathing apparatus is recommended for fire fighters.

### SECTION 6. ACCIDENTAL RELEASE MEASURES

#### Personal Precautions, Protective Equipment, and Emergency Procedures

Provide adequate ventilation. Use the personal protective equipment recommended in Section 8 of this safety data sheet.

#### Environmental Precautions

Prevent material from entering public sewer system or any waterways.

#### Methods and Materials for Containment and Cleaning Up

Collect using shovel/scoop or approved HEPA vacuum and place in a suitable container for disposal. Avoid generating dust. After cleaning, flush away traces with water.

### SECTION 7. HANDLING AND STORAGE

#### Precautions for Safe Handling

Wear personal protective equipment to avoid direct contact with this chemical. Do not breathe dust.

#### Conditions for Safe Storage

Store in an area that is: well-ventilated. Dry separate from incompatible materials (see Section 10: Stability and Reactivity). Keep containers closed.

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Control Parameters

Chemical Name	ACGIH TLV®		OSHA PEL		AIHA WEEL	
	TWA	STEL	TWA	Ceiling	8-hr TWA	TWA

Silica, quartz	0.025 mg/m <sup>3</sup>	Not established	0.1 mg/m <sup>3</sup>	Not established	Not established	Not established
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### Appropriate Engineering Controls

General ventilation is usually adequate. Provide eyewash and safety shower if contact or splash hazard exists.

### Individual Protection Measures Eye/Face Protection

Safety glasses with side shields are recommended to prevent eye contact.

### Skin Protection

Chemically resistant gloves should be used.

### Respiratory Protection

Wear a NIOSH approved dust mask when required.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### Basic Physical and Chemical Properties

<b>Appearance</b>	Tan powder. Particle Size: Not available
<b>Odour</b>	Odourless
<b>Odour Threshold</b>	Not available
<b>pH</b>	Not available
<b>Melting Point/Freezing Point</b>	Not available (melting); Not available (freezing)
<b>Initial Boiling Point/Range</b>	Not applicable
<b>Flash Point</b>	Not applicable
<b>Evaporation Rate</b>	Not available
<b>Upper/Lower Flammability or Explosive Limit</b>	Not available (upper); Not available (lower)
<b>Vapour Pressure</b>	Not available
<b>Vapour Density (air = 1)</b>	Not available
<b>Solubility</b>	Dispersible in water
<b>Partition Coefficient, n-Octanol/Water (Log Kow)</b>	Not available
<b>Auto-ignition Temperature</b>	Not available
<b>Decomposition Temperature</b>	Not available
<b>Viscosity</b>	Not available (kinematic)
<b>Other Information</b>	
<b>Physical State</b>	Solid
<b>Bulk Density</b>	Not available

## SECTION 10. STABILITY AND REACTIVITY

### Chemical Stability

Normally stable.

### Conditions to Avoid

Open flames, sparks, static discharge, heat and other ignition sources.

### Incompatible Materials

Strong acids (e.g. hydrochloric acid).

**Hazardous Decomposition Products**

None known.

### SECTION 11. TOXICOLOGICAL INFORMATION

**Acute Toxicity**

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
Silica, quartz	Not available	500 mg/kg (rat)	Not available

**Skin Corrosion/Irritation**

May cause mechanical irritation.

**Serious Eye Damage/Irritation**

May cause slight, transient irritation.

**STOT (Specific Target Organ Toxicity) - Single Exposure Inhalation**

May cause mechanical irritation.

**Ingestion**

Not expected to a problem under normal conditions of use.

**STOT (Specific Target Organ Toxicity) - Repeated Exposure**

Calcium carbonate products usually contain traces of quartz (crystalline silica) as an impurity. Prolonged exposure to respirable crystalline silica dust at concentrations exceeding the occupational exposure limits may increase the risk of developing a disabling lung disease known as silicosis. IARC found limited evidence for pulmonary carcinogenicity of crystalline silica in humans.

**Carcinogenicity**

Chemical Name	IARC	ACGIH®	NTP	OSHA
Silica, quartz	Group 1	A2	Known carcinogen	Not Listed

IARC:

Group 1 – Carcinogenic to humans.

ACGIH®:

A2 – Suspected human carcinogen.

**Reproductive Toxicity**

**Development of Offspring**

No information was located.

**Sexual Function and**

**Fertility** No information was located.

### SECTION 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

Studies were not located.

### SECTION 13. DISPOSAL CONSIDERATIONS

**Disposal Methods**

Dispose of contents and container in accordance with local, regional, national and international regulations.

**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**

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

All components of this product are listed on the DSL.

**USA**

**Toxic Substances Control Act (TSCA) Section 8(b)**

All ingredients are listed on the TSCA Inventory.

**SECTION 16. OTHER INFORMATION**

**SDS Prepared By** Product Safety Committee

**Phone No.** 403-262-5955

**Date of Preparation** Dec 18, 2018

**Disclaimer** To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.