



### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name** CORE-V200  
**Product Identifier** Proprietary Blend  
**Product Family** Coring Fluid  
**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 Contact Information** ChemTrec, (800) 424-9300, 24/7  
**Use** Drilling Fluid Additive

### 2. HAZARDS IDENTIFICATION

**Emergency Overview** Tan powder. Odourless. WARNING! This product contains a small amount of quartz (CAS# 14808-60-7) that may cause delayed respiratory disease if inhaled over a long period of time.

#### Potential Health Effects

**Route of Exposure** Skin contact; eye contact; inhalation; ingestion.

**Inhalation** May cause mechanical irritation to the respiratory tract.

**Skin Contact** May cause mechanical irritation to the skin.

**Eye Contact** May cause mechanical irritation to the eyes.

**Ingestion** This product contains small amounts of crystalline silica and is very toxic if swallowed. Do not ingest.

**Effects of Long-Term (Chronic) Exposure** Long-term exposure to products containing crystalline silica may cause silicosis. Avoid inhalation.

#### Potential Environmental Effects

It is good practice to prevent releases into the environment.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

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

### 4. FIRST AID MEASURES

#### First Aid Procedures

**Inhalation** Remove from exposure and move to fresh air immediately. If victim is experiencing asthma-like symptoms (e.g. coughing, shortness of breath, wheezing), call a Poison Centre or doctor. If not breathing, trained personnel should give CPR immediately. If breathing is difficult, have qualified personnel administer oxygen. Seek medical attention.

**Skin Contact** Immediately wash with plenty of water then, gently and thoroughly wash the contaminated skin with running water and non-abrasive soap.

**Eye Contact** Immediately flush the contaminated eye(s) with lukewarm, gently flowing water, while holding the eyelid(s) open. If adverse symptoms develop, seek medical attention.

**Ingestion** Rinse mouth thoroughly with water. Drink large amounts of water. Never give anything by

mouth to an unconscious or convulsing victim. If irritation or discomfort occurs, seek immediate medical attention.

## 5. FIRE FIGHTING MEASURES

<b>Flammable Properties</b>	Does not burn.
<b>Suitable Extinguishing Media</b>	Not combustible. Use extinguishing agent suitable for surrounding fire.
<b>Protective Equipment and Precautions for Firefighters</b>	A full-body encapsulating chemical protective suit with positive pressure SCBA may be necessary.

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions</b>	Use the Personal Protective Equipment recommended in Section 8 of this MSDS.
<b>Environmental Precautions</b>	It is good practice to prevent spilled material and/or runoff from entering waterways, drains and sewers. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
<b>Methods for Containment and Clean-up</b>	Stop or reduce leak if safe to do so. Wear appropriate protective clothing and footwear. Avoid creating and breathing dust. Gather spilled product and dispose of in accordance with local ordinances. Landfill is suggested.

## 7. HANDLING AND STORAGE

<b>Handling</b>	Avoid contact with skin, eyes and clothing. Avoid ingestion. Practice reasonable caution and personal cleanliness.
<b>Storage</b>	Store in a cool, dry, well-ventilated place. Keep container tightly closed and away from incompatible materials.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>Exposure Guideline Comments</b>	(silica, quartz) ACGIH® = American Conference of Governmental Industrial Hygienists. TLV® = Threshold Limit Value. TWA = Time-Weighted Average. 0.025 mg/m <sup>3</sup> OSHA = US Occupational Safety and Health Administration. PEL = Permissible Exposure Limits. TWA = Time-Weighted Average. 0.1 mg/m <sup>3</sup> .
<b>Engineering Controls</b>	Ensure adequate ventilation when handling material. General ventilation is usually adequate. Provide emergency eyewash and safety shower if contact or splash hazard exists.
<b>Personal Protective Equipment (PPE)</b>	
<b>Eye/Face Protection</b>	Wear chemical safety goggles.
<b>Skin Protection</b>	Skin contact should be minimized through use of suitable long-sleeved clothing (i.e. shirt and pants, coveralls). Wear chemical resistant safety gloves.
<b>Respiratory Protection</b>	Use a NIOSH-approved dust mask.
<b>General Hygiene Considerations</b>	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.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State</b>	Solid
<b>Appearance</b>	Tan powder.
<b>Particle Size</b>	Not available
<b>Odour</b>	Odourless
<b>Odour Threshold</b>	Not available
<b>Molecular Formula</b>	Not available

MSDS Name: Core-V200 - Canada - Ver. 1

Date of Preparation: March 26, 2014

Page 02 of 04

<b>Molecular Weight</b>	Not available
<b>Boiling Point</b>	Not available
<b>Decomposition Temperature</b>	Not available
<b>Melting Point</b>	Not available
<b>Freezing Point</b>	Not available
<b>Relative Density (water = 1)</b>	Not available
<b>Bulk Density</b>	Not available
<b>Solubility in Water</b>	Dispersible
<b>pH</b>	Not available
<b>Partition Coefficient, n-Octanol/Water</b>	Not available
<b>Vapour Pressure</b>	Not available
<b>Vapour Density (air = 1)</b>	Not available
<b>Evaporation Rate</b>	Not available
<b>Flash Point</b>	Not applicable

## 10. STABILITY AND REACTIVITY

<b>Chemical Stability</b>	Normally stable.
<b>Conditions to Avoid</b>	Generation of dust.
<b>Incompatible Materials</b>	Acids will liberate carbon dioxide.
<b>Possibility of Hazardous Reactions</b>	Hazardous polymerization will not occur.

## 11. TOXICOLOGICAL INFORMATION

### General Comments

Treat as a nuisance dust.

(silica, quartz)

LD50 Oral Rat: 500 mg/kg

### Skin Irritation/Corrosion

May cause mechanical irritation.

### Eye Irritation/Corrosion

May cause mechanical irritation.

### Effects of Short-Term (Acute) Exposure

#### Inhalation

May cause mechanical irritation.

#### Ingestion

Toxic if swallowed.

### Effects of Long-Term (Chronic) Exposure

This product contains traces of quartz (crystalline silica). Prolonged exposure at concentrations above the occupational exposure limits may increase the risk of developing silicosis.

### Carcinogenicity

Contains crystalline silica which may cause cancer.

(Silica, quartz)

IARC: Group 1 - carcinogenic to humans

ACGIH®: A2 - Suspected human carcinogen

No information was located for: Respiratory and/or Skin Sensitization, Teratogenicity / Embryotoxicity, Reproductive Toxicity, Mutagenicity, Toxicologically Synergistic Materials

## 12. ECOLOGICAL INFORMATION

**General Comments** No ecotoxicity or environmental fate data available.

## 13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with federal, provincial and local government regulations. Landfill is suggested.

## 14. TRANSPORT INFORMATION

### Shipping Information

Not regulated under Canadian TDG Regulations.

### Other Transport Information

**Special Shipping Information** Not applicable

## 15. REGULATORY INFORMATION

### Canada

#### WHMIS Classification



Class D2A; D2B

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

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by the Controlled Products Regulations.

## 16. OTHER INFORMATION

**MSDS Prepared By** Bri-Chem Supply Ltd

**Date of Preparation** March 26, 2014

**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.