



1. PRODUCT AND COMPANY IDENTIFICATION

Product Name CORE-V200
Product Identifier Proprietary Blend
Product Family Coring Fluid
Supplier Prairie Mud Service, 738 6th Street, Estevan, SK S4A 1A4
 306-634-3411
Emergency Contact Information Drilling Fluid Additive
Use

2. HAZARDS IDENTIFICATION

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.

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	

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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

Flammable Properties Does not burn.

Suitable Extinguishing Media Not combustible. Use extinguishing agent suitable for surrounding fire.

Media

Protective Equipment and Precautions for Firefighters A full-body encapsulating chemical protective suit with positive pressure SCBA may be necessary.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Use the Personal Protective Equipment recommended in Section 8 of this MSDS.

Environmental Precautions 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.

Methods for Containment and Clean-up 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

Handling Avoid contact with skin, eyes and clothing. Avoid ingestion. Practice reasonable caution and personal cleanliness.

Storage Store in a cool, dry, well-ventilated place. Keep container tightly closed and away from incompatible materials.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guideline (silica, quartz)

Comments ACGIH® = American Conference of Governmental Industrial Hygienists. TLV® = Threshold Limit Value. TWA = Time-Weighted Average. 0.025 mg/m³
OSHA = US Occupational Safety and Health Administration. PEL = Permissible Exposure Limits. TWA = Time-Weighted Average. 0.1 mg/m³.

Engineering Controls Ensure adequate ventilation when handling material. General ventilation is usually adequate. Provide emergency eyewash and safety shower if contact or splash hazard exists.

Personal Protective Equipment (PPE)

Eye/Face Protection Wear chemical safety goggles.

Skin Protection Skin contact should be minimized through use of suitable long-sleeved clothing (i.e. shirt and pants, coveralls). Wear chemical resistant safety gloves.

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Respiratory Protection Use a NIOSH-approved dust mask.

General Hygiene Considerations 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

Physical State	Solid
Appearance	Tan powder.
Particle Size	Not available
Odour	Odourless
Odour Threshold	Not available
Molecular Formula	Not available
Molecular Weight	Not available
Boiling Point	Not available
Decomposition Temperature	Not available
Melting Point	Not available
Freezing Point	Not available
Relative Density (water = 1)	Not available
Bulk Density	Not available
Solubility in Water	Dispersible
pH	Not available
Partition Coefficient, n-Octanol/Water	Not available
Vapour Pressure	Not available
Vapour Density (air = 1)	Not available
Evaporation Rate	Not available
Flash Point	Not applicable

10. STABILITY AND REACTIVITY

Chemical Stability	Normally stable.
Conditions to Avoid	Generation of dust.
Incompatible Materials	Acids will liberate carbon dioxide.
Possibility of Hazardous Reactions	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

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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

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16. OTHER INFORMATION

MSDS Prepared By Prairie Mud Service

Date of Preparation April 16, 2019

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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