


Section 1: Product & Company Information

Product Name: Bentone 150
Chemical Family: Organophilic Clay
Product Use: Drilling Fluid Additive

Workplace Hazardous Materials Information Systems Data (WHMIS):

	Class ID	Class	Workplace Hazard
	D-2-A	Materials Causing Other Toxic Effects - Very Toxic	Toxic effects

Manufacturer Name: Bri-Chem Supply Ltd.
Address: #15, 53016 Hwy 60, Acheson, AB T5X 5A7 Canada
General Phone Number: (780) 455-8667
General Fax Number: (780) 451-4420
MSDS Revision Date: January 1, 2008
Supercedes: January 1, 2005
Prepared By: Bri-Chem Supply Ltd.
Preparer's Phone: (780) 455-8667

Section 2: Composition/Information on Ingredients

Chemical Name	Concentration	CAS#
Crystalline Silica, Quartz	<1.0%	14808-60-7

Section 3: Hazards Identification

Emergency Overview: No specific measures required.

Routes of Entry:

Skin Contact: Yes
Skin Absorption: No
Eye Contact: No
Inhalation: No
Ingestion: No

Potential Health Effects:

Skin:	Cannot be absorbed through the skin. Not expected to cause irritation.
Eye:	May produce mechanical irritation.
Inhalation:	May cause slight irritation.
Ingestion:	Not expected to produce adverse effects.

Section 4: First Aid Measures

Eye Contact:	Flush eyes with running water for at least 15 minutes. If adverse symptoms develop, seek medical attention.
Skin Contact:	Wash with soap and water.
Inhalation:	Remove patient to fresh air. If breathing is difficult, administer oxygen. Administer artificial respiration if required, and seek medical attention.
Ingestion:	Provide symptomatic treatment and seek medical attention.
Other First Aid:	No specific measures required.

Section 5: Fire Fighting Measures

Conditions Of Flammability:	Non-flammable
Extinguishing Media:	Dry chemical, CO ₂ , foam, water
Flashpoint:	Not Applicable
Upper Flammable Limit:	Not Applicable
Lower Flammable Limit:	Not Applicable
Autoignition Temperature:	Not Applicable
Protective Equipment:	Firefighters must wear appropriate breathing apparatus and clothing.
Sensitivity To Impact or Static Discharge:	Not Available
Hazardous Combustion Products:	Avoid high dust concentrations, and ensure all equipment is properly grounded to prevent static discharges.
Fire Comment:	No Comment

Section 6: Accidental Release Measures

Personnel Precautions:	Use proper personal protective equipment as listed in section 8.
Spill Cleanup Measures:	Use appropriate safety equipment. Small spills, sweep up and put into approved DOT containers for disposal or re-use. Large spills, do not allow to enter waterways, sweep or shovel into approved DOT containers for re-use or disposal.

Section 7: Handling & Storage

Handling: Avoid ingestion. Practice reasonable caution and personal cleanliness. Avoid skin and eye contact.

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

Section 8: Exposure Controls, Personal Protection, Exposure Guidelines

Engineering Controls: Provide mechanical ventilation to prevent dust concentrations, and to reduce potential exposure.

Personal Protective Equipment: Chemical-resistant clothing is recommended, including gloves, apron, and goggles.

Respiratory Protection: Recommend NIOSH-approved dust respirator.

Exposure Limits: Nuisance dust : ACGIH TLV-8 hr TWA 10 mg/m³ total, Quartz 0.05 mg/m³. OSHA PEL- 8 hr TWA 15 mg/m³ total, 8 hr TWA 5 mg/m³ respirable, Quartz 0.1 mg/m³.

Chemical Name	ACGIH TLV-TWA	OSHA PEL-TWA
Crystalline Silica, Quartz	0.05 mg/m ³	0.1 mg/m ³

Section 9: Physical & Chemical Properties

Physical State:	Solid
Odour And Appearance:	Off-white powder; odourless
Odour Threshold:	Not Available
Boiling Point:	Not Available
Evaporation Rate:	Not Available
Melting Point:	Not Available
Freezing Point:	Not Available
Specific Gravity:	1.6 g/cm ³
Solubility in Water:	Insoluble
Vapour Density:	Not Available
Vapour Pressure:	Not Available
pH:	Not Available
Flash Point:	Not Applicable
Volatility (% by volume):	Not Available
Coefficient of Water to Oil distribution:	Not Available

Section 10: Stability & Reactivity

Chemical Stability:	Yes
Hazardous Polymerization:	Will not occur.
Conditions Of Chemical Instability:	
Incompatible Substances:	None known
Special Decomposition Products:	Possible emissions of carbon monoxide, carbon dioxide, ammonia

Section 11: Toxicological Information

Chemical Name	LD ₅₀ (Oral Rat)	LD ₅₀ (Dermal Rabbit)	LC ₅₀ (Inhalation Rat)
Crystalline Silica, Quartz	Not Available	Not Available	Not Available

Effects Of Acute Exposure:	May cause slight irritations.
Effects Of Chronic Exposure:	As with any nuisance dust, long-term exposure to concentrations above recommended guidelines may overload the lung clearance mechanism and cause adverse lung effects and shortness of breath. Long-term exposure to products containing crystalline silica may cause silicosis.
General Irritancy Of Product:	None known
Sensitization:	Not Available
Carcinogenicity:	Contains crystalline silica, a known carcinogen to humans.
Reproductive Toxicity:	Not Applicable
Teratogenicity:	Not Applicable
Embryotoxicity:	Not Available
Mutagenicity:	Not Applicable
Synergistic Products:	Not Applicable

Section 12: Ecological Information

Ecotoxicity:	Not Available
Environmental Fate:	Not Available

Section 13: Disposal Considerations


Waste Disposal:	All waste should be disposed of according to federal, provincial and local regulations. Containers should NOT be re-used. Containers should be disposed of in accordance with government regulations.
------------------------	---

Section 14: Transport Information

TDG Classification: Not Regulated
DOT UN Number: Not Regulated
Shipping Notes: No special requirements

Section 15: Regulatory Information

Workplace Hazardous Materials Information Systems Data (WHMIS):

	Class ID	Class	Workplace Hazard
	D-2-A	Materials Causing Other Toxic Effects - Very Toxic	Toxic effects

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

Section 16: Additional Information

MSDS Revision Date: January 1, 2008
MSDS Revision Notes:
MSDS Author: Bri-Chem Supply Ltd.

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 a 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.