



MATERIAL SAFETY DATA SHEET

SECTION I: IDENTIFICATION OF PRODUCT

PRODUCT NAME: Bentonite ABI Hi Yield
PRODUCT USE: Oil Well Fluid Additive
CHEMICAL FAMILY: Natural Mineral, Montmorillonite

WORK PLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (WHMIS)

WHMIS CLASSIFICATION: D2A
WORK PLACE HAZARD: Potential Carcinogen; Contains free silica

TRANSPORTATION OF DANGEROUS GOODS (TDG)

SHIPPING NAME: Not Regulated Under TDG
TDG CLASSIFICATION: N/A
UN NUMBER (PIN): N/A
PACKING GROUP: N/A

SECTION II: HAZARDOUS INGREDIENTS

<u>INGREDIENT</u>	<u>PERCENT</u>	<u>CAS NUMBER</u>	<u>LD₍₅₀₎ Oral-Rat</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Quartz, Silica	1-2	14808-60-7	Not Available	0.1 mg/m ³	0.1 mg/m ³

SECTION III: TOXICOLOGICAL PROPERTIES

ROUTE OF ENTRY: SKIN EYE CONTACT INHALATION INGESTION

EYE CONTACT: Mechanical irritant

SKIN CONTACT: Possible drying resulting in dermatitis

INGESTION: No adverse effects expected

INHALATION: Breathing silica dust may not cause noticeable injury or illness even though permanent lung damage may be occurring. Inhalation may cause irritation of the nose, throat, and respiratory passages. Long term inhalation may cause silicosis, a progressive disabling and sometimes fatal lung disease. Symptoms include cough, shortness of breath, wheezing, non-specific chest illness and reduced pulmonary function.

SECTION IV: FIRST AID MEASURES

SKIN CONTACT: Wash skin with soap and water.



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EYE CONTACT:	Flush with water until irritation ceases. If irritation persists, call a physician.
INGESTION:	If large amounts are ingested, seek medical attention.
INHALATION:	Remove patient to fresh air. Apply artificial respiration as required. Inhalation may aggravate existing respiratory illness.

SECTION V: PHYSICAL DATA

APPEARANCE AND ODOUR:	Pale grey powder or ganules; no odour
SPECIFIC GRAVITY:	2.5
BOILING POINT (°C):	N/A
MELTING POINT (°C):	N/A
SOLUBILITY IN WATER:	Negligible
PERCENT VOLATILE BY VOLUME:	N/A
EVAPORATION RATE:	N/A
VAPOUR PRESSURE (mm Hg):	N/A
pH:	Not Determined
BULK DENSITY:	N/A

SECTION VI: FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:	N/A
FLAMMABLE LIMITS:	N/A
EXTINGUISHING MEDIA:	Use media suitable for surrounding fire
SPECIAL FIRE FIGHTING PROCEDURES:	Self-contained respirators required for fire fighting personnel.
UNUSUAL FIRE AND EXPLOSION HAZARDS:	None Known

SECTION VII: REACTIVITY DATA

	STABILITY:	Stable [XX]	Unstable []
INCOMPATIBILITY(CONDITIONS TO AVOID):		None Known	
CONDITIONS OF REACTIVITY:		Not Available	
HAZARDOUS DECOMPOSITION PRODUCTS:		None Known	



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HAZARDOUS POLYMERIZATION:

Will Not Occur [XX]

May Occur []

VIII: PREVENTIVE MEASURES

SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION:

Suggest NIOSH/MESA Approved for silica bearing dust

VENTILATION:

Use local ventilation to maintain PEL's/TLV's.

PROTECTIVE GLOVES:

Generally not needed. personal preference

EYE PROTECTION:

Suggest goggles or safety glasses

OTHER PROTECTIVE EQUIPMENT (Specify):

Ensure eye wash station and emergency shower is available.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Avoid creating dust. Avoid breathing dust; wear an approved respirator. Practice reasonable caution and personal cleanliness. Avoid eye contact. Store in a cool, dry area.

STEPS TO BE TAKEN IN CASE THE MATERIAL IS SPILLED OR RELEASED

Wear an approved respirator. Vacuum if possible to avoid airborne dust. Collect uncontaminated material for repackaging. Collect contaminated material in an approved container for disposal. Avoid adding water, the product will become slippery when wet.

WASTE DISPOSAL METHOD

Dispose of product in accordance with federal, provincial and local regulations. It is the responsibility of the user to determine if contaminated material meets hazardous waste requirements.

SECTION IX: PREPARATION

THE INFORMATION CONTAINED HEREIN IS GIVEN IN GOOD FAITH, BUT NO WARRANTY, EXPRESSED OR IMPLIED, IS MADE.

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