



Prairie Mud Service

"Serving Western Canada with 24 Hour Drilling Mud Service"

MICA

SECTION I: IDENTIFICATION OF PRODUCT

COMPANY: **Diversity Technologies Corp.** DATE: **November 17, 2013**
8750 - 53rd Ave. PHONE: **780-440-4923**
Edmonton, AB T6E 5G2 FAX: **780-469-1899**

PRODUCT NAME: **Mica**
 PRODUCT USE: Oilwell drilling fluid additive
 CHEMICAL FAMILY: Magnesium potassium silicate CAS #: 12001-26-2

WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (WHMIS)

WHMIS CLASSIFICATION: D2A
 WORKPLACE HAZARD: Potential carcinogen; contains free silica

TRANSPORTATION OF DANGEROUS GOODS (TDG)

PROPER SHIPPING NAME: Not regulated under TDG
 TDG CLASSIFICATION: Not applicable
 UN NUMBER (PIN): Not applicable
 PACKING GROUP: Not applicable

SECTION II: HAZARDOUS INGREDIENTS

INGREDIENT	% (w/w)	CAS NUMBER	LD ₅₀ Oral-Rat	LC ₅₀ Inhal-Rat	ACGIH-TLV
Mica	99 - 100	12001-26-2	Not available	Not available	3 mg/m ³
Quartz; crystalline silica	0.1 - 1.0	14808-60-7	Not available	Not available	0.025 mg/m ³

SECTION III: HEALTH HAZARDS

ROUTE OF ENTRY: D EYE CONTACT D SKIN CONTACT INHALATION D INGESTION
 EYE CONTACT: May cause mechanical irritation and/or damage.
 SKIN CONTACT: Prolonged or repeated contact may cause irritation in some individuals.
 INGESTION: May cause gastrointestinal irritation, nausea and diarrhea.
 INHALATION: May cause irritation of the upper respiratory tract. This product contains crystalline silica. Breathing silica containing dust may not cause noticeable injury or illness even though permanent lung damage may be occurring. Chronic inhalation may cause silicosis, a progressive, disabling and sometimes fatal lung disease. Chronic inhalation exposure to crystalline silica quartz has been observed to cause lymph node effects, kidney effects and auto-immune disease.
 CARCINOGENICITY: Mica is not listed by ACGIH, IARC, NTP or OSHA. Crystalline silica, when inhaled from occupational sources, is considered as a human carcinogen by IARC (Class 1) and by NTP. ACGIH classifies crystalline silica, quartz, as a suspected human carcinogen (A2).
 TERATOGENICITY: No information available.
 REPRODUCTIVE TOXICITY: No information available.
 MUTAGENICITY: Crystalline silica has been shown to cause mutagenic effects in human cells in-vitro.
 SYNERGISTIC PRODUCTS: No information available.

SECTION IV: FIRST AID MEASURES

SKIN CONTACT: If irritation occurs, or when shift ends, wash with soap and water until clean. If irritation persists, obtain medical attention.
 EYE CONTACT: Flush with gently flowing warm water until particles are removed. If irritation persists, obtain medical attention.
 INGESTION: Give large quantity of water and induce vomiting. Keep head below hips

