



SECTION I: IDENTIFICATION OF PRODUCT

COMPANY: **Diversity Technologies Corp.** DATE: **January 10, 2014**
8750 53rd Ave. PHONE: **780-440-4923**
Edmonton, AB T6E 5G2 FAX: **780-469-1899**

PRODUCT NAME: **Enviroplug Fine, Medium & Coarse**

PRODUCT USE: Oilwell drilling fluid additive.
 CHEMICAL FAMILY: Montmorillonite CAS #: 1302-78-9

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
1-5 or 5-10*		14808-60-7	Not available (respirable)	Not available	0.025 mg/m ³
Silica, crystalline quartz		*The typical quartz content of western bentonite is between 2 and 6%.			

SECTION III: HEALTH HAZARDS

ROUTE OF ENTRY: D EYE CONTACT D SKIN CONTACT INHALATION D INGESTION
 EYE CONTACT: May cause mechanical irritation.
 SKIN CONTACT: Possible drying resulting in dermatitis.
 INGESTION: No adverse effects expected.
 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: Bentonite 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.
 EYE CONTACT: Flush with water until irritation ceases. If irritation persists, contact a physician.
 INGESTION: No first aid required; material is non-toxic.
 INHALATION: Move to area free from dust. If symptoms or irritation persist contact a physician. Inhalation may aggravate existing respiratory illness.

