

**MATERIAL SAFETY DATA SHEET****SECTION I: IDENTIFICATION OF PRODUCT**

COMPANY: **Diversity Technologies Corp.** DATE: **June 29, 2006**  
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PRODUCT NAME: **POTASSIUM SULFATE**

PRODUCT USE: Oil well drilling fluid additive  
CHEMICAL FAMILY: Inorganic sodium salt CAS#: 7778-80-5

**WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (WHMIS)**

WHMIS CLASSIFICATION: Not WHMIS controlled.  
WORKPLACE HAZARD: Not applicable

**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**

<u>INGREDIENT</u>	<u>PERCENT</u>	<u>CAS NUMBER</u>	<u>LD<sub>50</sub>Oral-Rat</u>	<u>LC<sub>50</sub>Inhal-Mouse</u>	<u>ACGIH-TLV</u>
Contains no WHMIS controlled ingredients.					

**SECTION III: HEALTH HAZARDS**

ROUTE OF ENTRY: [XX] EYE CONTACT [XX] SKIN [ ] INHALATION [XX] INGESTION  
EYE CONTACT: May cause mild irritation.  
SKIN CONTACT: Prolonged or repeated contact may result in defatting.  
INGESTION: May cause gastrointestinal irritation. Ingestion of large quantities may result in purging of stomach contents by vomiting.  
INHALATION: Breathing dust may irritate the nose and throat, and cause coughing and chest discomfort.  
CARCINOGENICITY: No information available.  
TERATOGENICITY: No information available.  
REPRODUCTIVE TOXICITY: No information available.

MUTAGENICITY: No information available.  
 SYNERGISTIC No information available.  
 PRODUCTS:

#### SECTION IV: FIRST AID MEASURES

SKIN CONTACT: Flush with water. Launder contaminated clothing before re-use. If irritation persists, obtain medical attention.  
 EYE CONTACT: Immediately flush with gently flowing warm water for 15 minutes while holding eyelids open. If irritation persists, obtain medical attention.  
 INGESTION: Do not induce vomiting. If conscious, rinse out mouth and give 1 to 2 glasses of water to drink. If vomiting occurs keep head below hips to prevent aspiration of vomitus and re-administer water. Obtain medical attention. Never give anything by mouth to an unconscious or convulsing victim.  
 INHALATION: Move to fresh air. Apply oxygen or artificial respiration if required. If breathing difficulties, or distress, continue obtain medical attention.

#### SECTION V: PHYSICAL DATA

APPEARANCE AND ODOUR:	Off-white to beige powder/granules; odourless
SPECIFIC GRAVITY:	2.66
BOILING POINT (°C):	1689
MELTING POINT (°C):	1072 (Freezing Point)
SOLUBILITY IN WATER:	12% @20°C                      pH: Neutral
PERCENT VOLATILE BY VOLUME:	Not applicable
EVAPORATION RATE:	Not applicable
VAPOUR PRESSURE (mmHg):	Not applicable
VAPOUR DENSITY (air = 1):	Not applicable
BULK DENSITY:	Not available

#### SECTION VI: FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:	Not flammable
FLAMMABLE LIMITS:	Not applicable
EXTINGUISHING MEDIA:	Use media suitable for packaging and surrounding materials.
SPECIAL FIRE FIGHTING PROCEDURES:	Self-contained breathing apparatus 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:	None known.	
HAZARDOUS DECOMPOSITION PRODUCTS:	None known.	
HAZARDOUS POLYMERIZATION:	WILL NOT OCCUR [XX]	MAY OCCUR [ ]

**SECTION VIII: PREVENTATIVE MEASURES****SPECIAL PROTECTION INFORMATION**

RESPIRATORY PROTECTION:	Use an approved dust mask, or respirator with dust cartridges, if ventilation is inadequate.
VENTILATION:	Use local exhaust ventilation, process enclosure or other engineering controls to maintain dust level below TLV.
PROTECTIVE GLOVES:	Personal preference.
EYE PROTECTION:	Safety glasses with side-shields recommended.
OTHER PROTECTIVE EQUIPMENT (Specify):	Wear clothing adequate to protect against exposure. Ensure eyewash station and emergency shower are available.

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING**

Wash thoroughly after handling. Avoid contact with eyes, skin or clothing. Avoid generating dust. Store in a cool, dry area. Avoid contact with carbon steels and aluminum.

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

Use appropriate safety equipment. Vacuum or sweep up. Avoid creating dust clouds. Collect uncontaminated material for repackaging. Collect contaminated material in approved containers for disposal. Wash spill area thoroughly with water. Keep out of sewers, storm drains, surface waters and soils.

**WASTE DISPOSAL METHOD**

Dispose in accordance with federal, provincial and local regulations. Uncontaminated material can be landfilled in most areas; check with local operator. It is the responsibility of the end-user to determine if material meets the criteria of hazardous waste at the time of disposal.

**SECTION IX: PREPARATION**

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

DATE ISSUED: June 29, 2006 BY: Product safety committee  
SUPERSEDES: December 3, 2003 PHONE: 780-440-4923

**Diversity Technologies Corp. is the parent company of  
Canamara-United Supply, Hollimex Products, The Drilling Depot and  
Westcoast Drilling Supplies.**