

# MATERIAL SAFETY DATA SHEET

## SECTION I: IDENTIFICATION OF PRODUCT

COMPANY: **Diversity Technologies Corp.** DATE: **August 16, 2010**  
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PRODUCT NAME: **K2 Plus**

PRODUCT USE: Oil well drilling fluid additive  
CHEMICAL FAMILY: Saturated aliphatic amine solution CAS #: Mixture

## WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (WHMIS)

WHMIS CLASSIFICATION: **D2B**  
WORKPLACE HAZARD: **Skin and eye irritant.**

## TRANSPORTATION OF DANGEROUS GOODS (TDG)

PROPER SHIPPING NAME: **Not regulated by TDG Act.**  
TDG CLASSIFICATION: **Not applicable.**  
UN NUMBER (PIN): **Not applicable.**  
PACKING GROUP: **Not applicable.**

## SECTION II: HAZARDOUS INGREDIENTS

<u>INGREDIENT</u>	<u>% (w/w)</u>	<u>CAS NUMBER</u>	<u>LD<sub>50</sub>Oral-Rat</u>	<u>LC<sub>50</sub>Inhal-Rat</u>	<u>ACGIH-TLV</u>
Formic acid, compd with 1,6-hexanediamine(2:1)	60-100	65597-02-6	Not determined	Not determined	Not established

## SECTION III: HEALTH HAZARDS

ROUTE OF ENTRY:  EYE CONTACT  SKIN  INHALATION  INGESTION

EYE CONTACT: **May cause moderate to severe irritation. The toxicological properties of this material have not been determined.**

SKIN CONTACT: **May cause moderate to severe irritation. The toxicological properties of this material have not been determined.**

INGESTION: **May cause irritation of the gastrointestinal tract. The toxicological properties of this material have not been determined.**

INHALATION: **No vapours given off at normal temperatures. Inhalation of aerosols or mists may be irritating.**

CARCINOGENICITY: No information available.

TERATOGENICITY: No information available.  
REPRODUCTIVE TOXICITY: No information available.  
MUTAGENICITY: No information available.  
SYNERGISTIC PRODUCTS: No information available.

#### SECTION IV: FIRST AID MEASURES

SKIN CONTACT: Immediately flush with copious amounts of water while removing contaminated clothing. Continue flushing for minimum 15 minutes. If irritation redevelops repeat flushing. If irritation persists or there is evidence of chemical burns consult a physician.

EYE CONTACT: Immediately flush with gently flowing warm water for 15 minutes, or until irritation ceases. Hold eyelids open to ensure thorough flushing. Obtain medical attention once flushing is completed.

INGESTION: Do not induce vomiting unless directed to do so by medical personnel. If conscious, wash out mouth with water and give one glass (250 mL) of water to drink. Seek immediate medical attention. If spontaneous vomiting occurs, have victim lean forward with head down to avoid inhalation of vomitus. Never give anything by mouth if patient is unconscious, rapidly losing consciousness or convulsing.

INHALATION: Move victim to fresh air. Apply oxygen or artificial respiration as required. Obtain medical attention.

#### SECTION V: PHYSICAL DATA

APPEARANCE AND ODOUR:	Clear liquid; odourless	
SPECIFIC GRAVITY:	1.095	
BOILING POINT (°C):	> 100	
MELTING POINT (°C):	<-35	
SOLUBILITY IN WATER:	Soluble	pH: 7.2 - 7.7
PERCENT VOLATILE BY VOLUME:	Not determined	
EVAPORATION RATE:	Not determined	
VAPOUR PRESSURE (mmHg):	Not determined	
VAPOUR DENSITY (air = 1):	Not determined	
BULK DENSITY:	Not applicable	

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

FLASH POINT:	>100°C (TCC)
FLAMMABLE LIMITS:	Not determined

EXTINGUISHING MEDIA:	Use media suitable for surrounding materials and packaging.
SPECIAL FIRE FIGHTING PROCEDURES:	Self-contained breathing apparatus required for fire fighting personnel. Move containers from fire area, or cool with water spray, if possible.
UNUSUAL FIRE AND EXPLOSION HAZARDS:	Not available.

### SECTION VII: REACTIVITY DATA

STABILITY:	STABLE [XX]	UNSTABLE [ ]
INCOMPATIBILITY (CONDITIONS TO AVOID):	Avoid contact with strong oxidizers.	
CONDITIONS OF REACTIVITY:	Not available	
HAZARDOUS DECOMPOSITION PRODUCTS:	Oxides of carbon, oxides of nitrogen.	
HAZARDOUS POLYMERIZATION:	WILL NOT OCCUR [XX]	MAY OCCUR [ ]

### SECTION VIII: PREVENTATIVE MEASURES

#### SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION:	Not required under normal conditions of use. If vapours or mist is created during use a NIOSH approved respirator with dust/mist cartridges or SCBA may be required.
VENTILATION:	Not required under normal conditions of use. If vapours or mist is generated then process enclosure, local exhaust ventilation or other engineering controls should be instituted.
PROTECTIVE GLOVES:	Suggest plastic or latex.
EYE PROTECTION:	Suggest chemical splash goggles.
OTHER PROTECTIVE EQUIPMENT (Specify):	Wear chemical impervious clothing. Make eye bath and emergency shower available.

### PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Avoid ingestion. Practice reasonable caution and personal cleanliness. Avoid skin and eye contact. Wash thoroughly after handling. Launder or discard contaminated clothing. Store in cool, dry place away from incompatibles. Keep containers tightly closed at all times. Store unused material in original container. Empty containers contain residual hazardous material and must be handled and stored as if full.

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

Always use suggested or required safety equipment. Soak spills up with absorbent material. Waste material should be placed in containers approved for material being disposed. Wash area after absorbent material cleanup.

**WASTE DISPOSAL METHOD**

Dispose in accordance with all federal, provincial and local regulations. 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.

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BY: Product safety committee

SUPERSEDES: October 2, 2009

PHONE: 780-440-4923

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