

MATERIAL SAFETY DATA SHEET

SECTION I: IDENTIFICATION OF PRODUCT

COMPANY: **Diversity Technologies Corp.** DATE: October 2, 2009
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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: E
WORKPLACE HAZARD: Corrosive liquid

TRANSPORTATION OF DANGEROUS GOODS (TDG)

PROPER SHIPPING NAME: Hexamethylene Diamine, Solution
TDG CLASSIFICATION: 8
UN NUMBER (PIN): UN1783
PACKING GROUP: II

SECTION II: HAZARDOUS INGREDIENTS

<u>INGREDIENT</u>	<u>% (w/w)</u>	<u>CAS NUMBER</u>	<u>LD₅₀Oral-Rat</u>	<u>LC₅₀Inhal-Rat</u>	<u>ACGIH-TLV</u>
1,6-Hexanediamine	30-60	124-09-4	980 mg/kg	950 mg/m ³ /4hr	0.5 mg/m ³

SECTION III: HEALTH HAZARDS

ROUTE OF ENTRY: [XX] EYE CONTACT [XX] SKIN [XX] INHALATION [XX] INGESTION
EYE CONTACT: May cause severe irritation with corneal injury and result in permanent impairment of vision, even blindness.
SKIN CONTACT: May cause burns, irritation, redness and itching to the skin.
INGESTION: May cause burns of mouth, pharynx, and gastrointestinal tissues. May cause pain, vomiting, diarrhea, abdominal pain, and inflammation of larynx, extensive damage or perforation of the esophagus, collapse. May be fatal.
INHALATION: No vapours given off at normal temperatures. Inhalation of aerosols or mists may be irritating or cause destruction to tissues of the mucous membranes and upper respiratory tract.

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 minimum 30 minutes, or until irritation ceases. Hold eyelids open to ensure thorough flushing. Obtain medical attention once flushing is completed. Immediate first aid (within the first minute) is needed to prevent eye damage.

INGESTION: Do not induce vomiting unless directed to do so by medical personnel. If conscious, wash out mouth with water. Seek immediate medical attention. If spontaneous vomiting occurs, have victim lean forward with head down to avoid breathing in of vomitus. Never give anything by mouth to an unconscious or convulsing victim.

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

SECTION V: PHYSICAL DATA

APPEARANCE AND ODOUR:	Clear colourless liquid; odourless
SPECIFIC GRAVITY:	0.90
BOILING POINT (°C):	> 100
MELTING POINT (°C):	-20
SOLUBILITY IN WATER:	Soluble pH: >12
PERCENT VOLATILE BY VOLUME:	100
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:	Not flammable
FLAMMABLE LIMITS:	Not applicable
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):	Incompatible with strong acids, strong oxidizers, isocyanates, ketones, anhydrides, phenols, nitrates, halogenated compounds.	
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. Do not wear contact lenses when handling this material.
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.

DATE ISSUED:	October 2, 2009	BY:	Product safety committee
SUPERSEDES:	None	PHONE:	780-440-4923

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