



MATERIAL SAFETY DATA SHEET

SECTION I: IDENTIFICATION OF PRODUCT

PRODUCT NAME: Stable K
PRODUCT USE: Drilling Additive **CAS NO.** 124-09-4
CHEMICAL FAMILY: Amine Salts

WORK PLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (WHMIS)

WHMIS CLASSIFICATION: D-2B
WORK PLACE HAZARD: Skin and Eye Irritant

TRANSPORTATION OF DANGEROUS GOODS (TDG)

SHIPPING NAME: N/A
TDG CLASSIFICATION: Not Regulated by TDG
UN NUMBER (PIN): N/A
PACKING GROUP: N/A

SECTION II: HAZARDOUS INGREDIENTS

<u>INGREDIENT</u>	<u>PERCENT</u>	<u>CAS NUMBER</u>	<u>LD₍₅₀₎ Oral-Rat</u>	<u>LLC₍₅₀₎Rat-Inhal</u>	<u>ACGIH-TLV</u>
1,6 Hexanediamine	30-60	124-09-4	750 mg/kg	3200 mg/m ³	N/D

SECTION III: TOXICOLOGICAL PROPERTIES

ROUTE OF ENTRY: SKIN EYE CONTACT INHALATION INGESTION

EYE CONTACT: Due to the pH of the material it will irritate eyes on contact.

SKIN CONTACT: Liquid may cause minor irritation, burning on prolonged contact with skin.

INGESTION: LD₅₀ (oral, rat) 2290 mg/kg based on components.

INHALATION: Not expected to be a problem under normal conditions of use.

SECTION IV: FIRST AID MEASURES

SKIN CONTACT: In case of skin contact, immediately flush contacted area for at least 15 minutes with water. Remove contaminated clothing immediately and launder before reuse. If irritation develops consult a doctor.



MATERIAL SAFETY DATA SHEET

EYE CONTACT: In case of contact with eyes, flush with water for at least 15 minutes. Seek immediate medical attention.

INGESTION: If victim is conscious, give water. Do not induce vomiting. Seek immediate medical attention.

INHALATION: If affected, remove person to fresh air immediately.

SECTION V: PHYSICAL DATA

APPEARANCE AND ODOUR: Clear odourless liquid

SPECIFIC GRAVITY: 1.07

BOILING POINT (°C): >100°C

MELTING POINT (°C): <-35°C

pH: 9-10

SOLUBILITY IN WATER: Soluble

PERCENT VOLATILE BY VOLUME: N/A

EVAPORATION RATE: N/A

VAPOUR PRESSURE (mm Hg): N/A

VAPOUR DENSITY: N/A

SECTION VI: FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: >100°C (TCC)

FLAMMABLE LIMITS: N/A

EXTINGUISHING MEDIA: Water, dry chemical, foam

SPECIAL FIRE FIGHTING PROCEDURES: Self-contained respirators required for fire-fighting personnel.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None Known

HAZARDOUS COMBUSTION PRODUCTS: CO, CO_x, Oxides of Nitrogen

SECTION VII: REACTIVITY DATA

STABILITY: Stable [XX] Unstable []

INCOMPATIBILITY (CONDITIONS TO AVOID): Strong Oxidizing agents

HAZARDOUS DECOMPOSITION PRODUCTS: CO_x on combustion oxides of nitrogen.



MATERIAL SAFETY DATA SHEET

HAZARDOUS POLYMERIZATION: Will not occur [XX] May occur []

VIII: PREVENTIVE MEASURES

SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: NIOSH/MSHA approved dust mask.

VENTILATION: Local exhaust for dust, mist control.

PROTECTIVE GLOVES: Suggest plastic or rubber.

EYE PROTECTION: Goggles

OTHER PROTECTIVE EQUIPMENT (Specify): Suggest rubber apron.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Store in a cool, dry, well-ventilated place away from incompatible materials. Keep bags or fibre drums dry at all times. Wash thoroughly after handling. Do not get in eyes, on skin or on clothing.

Do not cut, grind, weld or drill on or near this container. Containers, even those that have been emptied, will retain product residue, always obey hazard warnings and handle empty containers as if they were full.

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

Wear protective equipment. For small spills, sweep up and dispose of in DOT approved waste containers. For large spills, shovel into DOT approved waste containers. Keep out of sewers, storm drains, surface water and soil.

WASTE DISPOSAL METHOD

Dispose of contaminated product and materials used in cleaning up spills or leaks in a manner approved for this material. Consult appropriate federal, provincial and local regulatory agencies to ascertain proper disposal procedures.

SECTION IX: PREPARATION

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

DATE PRINTED: March 30, 2007 **BY:** MILLENNIUM TECHNOLOGIES LTD.

DATE MODIFIED: February 2007 **APPROVED BY:**

SUPERSEDES: May 2004

24 HOUR PHONE: 403-252-5904