

SECTION I: IDENTIFICATION OF PRODUCT

COMPANY: **Diversity Technologies Corp.** DATE: **September 20, 2010**
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PRODUCT NAME: **Saf-Kote**

PRODUCT USE: Oil well drilling fluid additive
CHEMICAL FAMILY: Filming amines 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 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
Fatty acid, tall oil polymerized	10 - 30	73138-54-2	Not determined	Not determined	No information
Imidazoline	7 - 13	61790-69-0	1080 mg/kg	Not determined	No information
Ethoxylated nonyl phenol	1 - 5	9016-45-9	3550 mg/kg	No information	No information
2-Ethyl hexanol	3 - 7	104-76-7	2049 mg/kg	No information	Not established

SECTION III: HEALTH HAZARDS

ROUTE OF ENTRY: ☒ EYE CONTACT ☒ SKIN CONTACT ☒ INHALATION ☐ INGESTION
EYE CONTACT: Severe irritant. Causes stinging or burning of eyes and lids, watering of eyes, conjunctivitis, opaqueness of cornea, possibly leading to loss of sight. 2-Ethylhexanol is a severe eye irritant.
SKIN CONTACT: May cause moderate to severe irritation, redness and swelling, itching, tingling sensation, painful burning.
INGESTION: May cause irritation to mouth, throat, and esophagus; nausea and vomiting. Chronic exposure to an ingredient in this product has been

shown to cause adverse effects on the liver in laboratory animals.

INHALATION: May cause irritation of upper respiratory tract, coughing, and difficulty in breathing. Inhalation of mists or spray may cause chemical pneumonitis.

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 affected area with running water while removing contaminated clothing. Continue flushing for 15 minutes. If irritation persists, or develops, obtain medical attention.

EYE CONTACT: Flush with gently flowing warm water for 15 minutes, or until irritation ceases. Obtain medical attention.

INGESTION: Do not induce vomiting. Rinse mouth and give one to two glasses of water to dilute material. If spontaneous vomiting occurs, keep head lower than hips to prevent aspiration of vomitus and give more water. Obtain immediate medical attention. Never give anything by mouth if patient is unconscious, rapidly losing consciousness or convulsing.

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

SECTION V: PHYSICAL DATA

APPEARANCE AND ODOUR:	Dark amber liquid; amine odour
SPECIFIC GRAVITY:	0.874
BOILING POINT (°C):	Not determined
MELTING POINT (°C):	<-15
SOLUBILITY IN WATER:	Dispersible pH: Not determined
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: >93.3°C (TCC)

FLAMMABLE LIMITS: Not determined

EXTINGUISHING MEDIA: CO₂, water fog, mist, foam.

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:

Product will burn under fire conditions. Vapours may travel to ignition source and flash back.

HAZARDOUS COMBUSTION PRODUCTS:

No information available.

SECTION VII: REACTIVITY DATA

STABILITY:

☒ STABLE☐ UNSTABLE

INCOMPATIBILITY (CONDITIONS TO AVOID):

Strong oxidizing agents. Avoid high temperatures and ignition sources.

CONDITIONS OF REACTIVITY:

Not applicable

HAZARDOUS DECOMPOSITION PRODUCTS:

Oxides of carbon, oxides of nitrogen, ammonia on combustion.

HAZARDOUS POLYMERIZATION:

☒ WILL NOT OCCUR☐ MAY OCCUR**SECTION VIII: PREVENTIVE MEASURES****SPECIAL PROTECTION INFORMATION**

RESPIRATORY PROTECTION:

Use approved respirator with organic vapour cartridge if ventilation is inadequate.

VENTILATION:

Use local exhaust ventilation, process enclosure or other engineering controls to maintain airborne levels below TLV. Ensure equipment is explosion proof.

PROTECTIVE GLOVES:

Suggest neoprene gloves.

EYE PROTECTION:

Chemical goggles and/or face shield must be worn at all times when handling this product. Do not wear contact lenses.

OTHER PROTECTIVE EQUIPMENT (SPECIFY):

Chemical resistant protective clothing must be worn at all times when handling this product. Ensure eye wash station and emergency shower are available.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Practice reasonable caution and personal cleanliness. Avoid skin and eye contact. Avoid inhalation of vapours or mists. Wear suitable protection for eyes and skin when handling. Wash thoroughly after handling. Launder contaminated clothing before reuse. Discard contaminated leather goods (boots, belts, etc.). Open containers slowly to prevent spraying. Ground containers during transfer to prevent static charge buildup. Store unused material in original container. Store in a cool, dry, well-ventilated area away from incompatibles and ignition sources.

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

Use appropriate safety equipment. Eliminate ignition sources. Avoid all bodily contact with spilled material. Small spills; soak up with absorbent material. Large spills; dike to contain spill to prevent water pollution. Collect material and absorbent in approved containers for disposal. Do not allow

spilled material to enter public waterways or sewers.

WASTE DISPOSAL METHOD

Dispose of in accordance with 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. Empty containers that have not been cleaned and purged, contain residual material and must be disposed of, or recycled, in accordance with local regulations.

SECTION IX: PREPARATION

The information contains herein is given in good faith, but no warranty, expressed or implied, is made.

DATE ISSUED:	September 20, 2010
SUPERSEDES:	December 3, 2007
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