

MATERIAL SAFETY DATA SHEET

SECTION I: IDENTIFICATION OF PRODUCT

COMPANY: **Diversity Technologies Corp.** DATE: **May 4, 2010**
8750 – 53rd Ave. PHONE: 780-468-4064
Edmonton, AB T6E 5G2 FAX: 780-469-1899

PRODUCT NAME: **DEFOAMER SILICONE**

PRODUCT USE: Antifoamer
CHEMICAL FAMILY: Silicone emulsion CAS#: Mixture

WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (WHMIS)

WHMIS CLASSIFICATION: D2B
WORKPLACE HAZARD: Skin & 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

<u>INGREDIENT</u>	<u>% (w/w)</u>	<u>CAS NUMBER</u>	<u>LD₅₀Oral-Rat</u>	<u>LC₅₀Inhal-Rat</u>	<u>ACGIH-TLV</u>
Ethoxylated nonylphenol (9-10M EO)	1-5	68412-54-4	>3000 mg/kg	Not available	Not established
Ethoxylated nonylphenol (4M EO)	1-3	68412-54-4	>7400 mg/kg	Not available	Not available

SECTION III: HEALTH HAZARDS

ROUTE OF ENTRY: EYE CONTACT SKIN INHALATION INGESTION
EYE CONTACT: May cause slight irritation.
SKIN CONTACT: May cause irritation. Contains an ingredient that is a severe irritant in animal testing.
INGESTION: Essentially non-toxic in animal tests. May cause gastrointestinal upset.
INHALATION: Prolonged or excessive inhalation may cause irritation. Avoid breathing vapours or mists. Not an expected route of exposure under normal conditions of use.
CARCINOGENICITY: No known cancer hazards.

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

SECTION IV: FIRST AID MEASURES

EYE CONTACT:	Flush with gently flowing warm water for minimum 15 minutes or until irritation ceases. Hold eyelids open to ensure thorough flushing. If irritation persists obtain medical attention.
SKIN CONTACT:	Remove contaminated clothing. Immediately wash affected area with plenty of water and soap. If irritation persists obtain medical attention.
INGESTION:	Do not induce vomiting. Rinse mouth and give 2 glasses of water. If vomiting occurs, keep victims head below the lungs to prevent aspiration of the vomitus. Obtain medical attention. Never give anything by mouth if victim is unconscious, rapidly losing consciousness or convulsing.
INHALATION:	Remove patient to fresh air. Give oxygen or artificial respiration if required. If breathing difficulties or distress continues obtain medical attention.

SECTION V: PHYSICAL DATA

APPEARANCE AND ODOUR:	Opague white liquid; mild odour
SPECIFIC GRAVITY:	0.96 – 1.1 @ 25°C
BOILING POINT (°C):	>100
MELTING POINT (°C):	0
SOLUBILITY IN WATER:	Dispersible pH : Not available
PERCENT VOLATILE BY VOLUME:	Not available
EVAPORATION RATE:	< 1 (Butyl Acetate = 1)
VAPOUR PRESSURE (mmHg):	24 @ 25°C
VAPOUR DENSITY (air = 1):	Not available
BULK DENSITY:	Not applicable

SECTION VI: FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:	> 93.9°C (PMCC)
FLAMMABLE LIMITS:	Not available
EXTINGUISHING MEDIA:	Water may be effective for cooling, but may not effect extinguishment. CO ₂ , foam or dry powder recommended.

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:

Material will burn in a fire. Contains dimethylpolysiloxane which can generate formaldehyde as a byproduct of oxidative thermal decomposition beginning at ~150°C. Formaldehyde is a potential cancer hazard.

SECTION VII: REACTIVITY DATA**STABILITY:**

STABLE [XX]

UNSTABLE []

INCOMPATIBILITY

Avoid strong oxidizers.

(CONDITIONS TO AVOID):**CONDITIONS OF REACTIVITY:**

Contact with incompatibles.

HAZARDOUS DECOMPOSITION

May produce fumes, smoke, oxides of carbon, formaldehyde and hydrocarbons.

PRODUCTS:**HAZARDOUS POLYMERIZATION:**

WILL NOT OCCUR [XX] MAY OCCUR []

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

Use NIOSH approved respirator or control inhalation of mists if required.

VENTILATION:

Local exhaust is recommended whenever this product is used in a confined space, is heated above ambient temperature or is agitated.

PROTECTIVE GLOVES:

Rubber or neoprene gloves recommended.

EYE PROTECTION:

Use chemical splash goggles or face shield when handling this product. Do not wear contact lenses when handling this product.

OTHER PROTECTIVE EQUIPMENT**(Specify):**

Wearing of chemical resistant protective clothing is suggested when handling this product. Make eye bath and emergency shower available.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Practice reasonable caution and personal cleanliness. Launder exposed clothing before reuse. Avoid skin and eye contact. Wear suitable protection for eyes and skin when handling. Open containers slowly. Store unused material in original container. Store in a cool, dry, well-ventilated place away from incompatibles. Follow all MSDS/label precautions even after container is emptied because they may retain product residues.

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

Use appropriate safety equipment. Product is very slippery; clean up spills immediately to prevent slip hazard. Avoid all bodily contact with spilled material. Stop leak if possible to do so without risk. Small spills; soak up with absorbent material. Large spills, dike to contain spill to prevent water pollution. Collect uncontaminated material for repackaging. Collect contaminated material and absorbents in approved containers for disposal. Do not allow material to enter sanitary sewers, storm sewers or storm water inlets.

WASTE DISPOSAL METHOD

Dispose in accordance with federal, provincial and local regulations. Empty containers, that have not been cleaned and purged, contain hazardous material and must be disposed of, or recycled in accordance with 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: May 4, 2010

BY: Product safety committee

SUPERSEDES: May 4, 2007

PHONE: 780-440-4923

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