

MATERIAL SAFETY DATA SHEET

SECTION I: IDENTIFICATION OF PRODUCT

COMPANY: **Diversity Technologies Corp.** DATE: **September 5, 2008**
8750 – 53rd Ave. PHONE: 780-468-4064
Edmonton, AB T6E 5G2 FAX: 780-469-1899

PRODUCT NAME: **BIO FOAM**

PRODUCT USE: Foaming agent
CHEMICAL FAMILY: Blend of surfactants CAS#: Mixture

WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (WHMIS)

WHMIS CLASSIFICATION: D2B
WORKPLACE HAZARD: Skin and eye irritation.

TRANSPORTATION OF DANGEROUS GOODS (TDG)

PROPER SHIPPING NAME: Not regulated
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>LD₅₀ Oral-Rat</u> | <u>LC₅₀ Inhal-Rat</u> | <u>ACGIH-TLV</u> |
|---|----------------|-------------------|---------------------------------|----------------------------------|------------------|
| 1-Dodecanesulfonic acid, hydroxyl-, sodium salt | 10-30 | 128824-30-6 | Not available | Not available | Not available |
| Dodecene-1-sulfonic acid sodium salt | 10-30 | 30965-85-6 | Not available | Not available | Not available |

SECTION III: HEALTH HAZARDS

ROUTE OF ENTRY: [XX]EYE CONTACT [XX]SKIN [XX]INHALATION [XX]INGESTION
EYE CONTACT: Contact with liquid may irritate or burn eyes.
SKIN CONTACT: Causes irritation with discomfort, local redness and possible swelling. Unlikely to be absorbed through skin. Repeated contact may cause dermatitis insensitive individuals.
INGESTION: May cause gastrointestinal irritation, nausea, vomiting and diarrhea.
INHALATION: Vapours and mists may be irritating to the respiratory tract.
CARCINOGENICITY: No ingredients of this product are listed as carcinogenic.

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 wash with soap and water while removing contaminated clothing and footwear. Wash contaminated clothing before reuse. If irritation persists, or develops, seek medical attention.

EYE CONTACT: Flush eyes with gently flowing warm water for minimum 15 minutes. Seek medical attention when flushing is complete.

INGESTION: Do not induce vomiting. If conscious, rinse out mouth and give 1 to 2 glasses of water to drink. If vomiting occurs, keep head below hips to ensure vomitus is not aspirated. Obtain medical attention. Never give anything by mouth unless victim is fully conscious.

INHALATION: Remove patient to fresh air. Apply oxygen and/or artificial respiration as required. If breathing difficulties or distress continues obtain medical attention.

SECTION V: PHYSICAL DATA

| | | |
|-----------------------------|----------------------------------|-------------|
| APPEARANCE AND ODOUR: | Clear, amber liquid; soapy odour | |
| SPECIFIC GRAVITY: | 1.07 @ 25°C | |
| BOILING POINT (°C): | 106 | |
| MELTING POINT (°C): | Not available | |
| SOLUBILITY IN WATER: | Complete | pH: 11 - 12 |
| PERCENT VOLATILE BY VOLUME: | 54 | |
| EVAPORATION RATE: | <1 | |
| VAPOUR PRESSURE (mmHg): | 23.6 @ 20°C | |
| VAPOUR DENSITY (air = 1): | 0.9574 @ 0°C | |
| BULK DENSITY: | Not applicable | |

SECTION VI: FIRE AND EXPLOSION HAZARD DATA

| | |
|-----------------------------------|---|
| FLASH POINT: | >93.9°C (PMCC) |
| FLAMMABLE LIMITS: | Not determined |
| EXTINGUISHING MEDIA: | Use media suitable for surrounding materials. |
| SPECIAL FIRE FIGHTING PROCEDURES: | Self-contained breathing apparatus required for fire fighting personnel. Remove containers from fire area, or cool with water spray, if possible. |

**UNUSUAL FIRE AND
EXPLOSION HAZARDS:**

Warning!! 800 ppm of hydrogen sulfide, which may be liberated by thermal decomposition, can be fatal in 30 minutes.

SECTION VII: REACTIVITY DATA**STABILITY:**

STABLE [XX]

UNSTABLE []

INCOMPATIBILITY

Avoid contact with strong oxidizers.

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

Not available.

HAZARDOUS DECOMPOSITION

Oxides of carbon, oxides of sulfur, oxides of sodium, hydrogen sulfide on combustion.

PRODUCTS:**HAZARDOUS POLYMERIZATION:**

WILL NOT OCCUR [XX] MAY OCCUR []

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

In the absence of adequate ventilation, use approved respirator with organic vapour cartridges or SCBA.

VENTILATION:

Use local exhaust ventilation, process enclosure or other engineering controls to maintain airborne vapour level below TLV.

PROTECTIVE GLOVES:

Recommend rubber or viton.

EYE PROTECTION:

Chemical goggles recommended. Do not wear contact lenses.

**OTHER PROTECTIVE EQUIPMENT
(Specify):**

Suggest the use of a chemical apron and/or chemical resistant clothing. Ensure emergency eye wash station and safety shower are available.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

NOTE: If used in conjunction with hypochlorite bleach skin sensitizing "sultones" may be formed. This product contains trace amounts of formaldehyde which could accumulate in the headspace of storage containers. Repeated or prolonged airborne exposure to formaldehyde may be harmful, since formaldehyde has been known to cause nasopharynx tumors in rats at 8 to 15 ppm for prolonged intervals in air.

Avoid breathing vapours and mists. Avoid direct or prolonged contact with skin and eyes. Do not ingest. Store in a cool, dry, well ventilated, away from heat and ignition sources. Protect from freezing. Do not store above 49°C. Empty packaging contains residual hazardous material and must be handled and stored as if full.

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

Use appropriate safety equipment. Dike to prevent spread of spilled material. Stop leak if possible to do so without risk. Small spills; soak up with absorbent materials. Large spills; collect uncontaminated material for repackaging; collect contaminated material in an approved container for disposal, and treat remainder as a small spill. Collect contaminated absorbent material in approved containers for disposal. Flush spill area thoroughly with water. Collect wash water for disposal. Do not allow material to enter storm sewers or waterways.

WASTE DISPOSAL METHOD

Dispose 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, which have not been cleaned or purged, must be disposed of, or recycled, in accordance with local regulations.

SECTION IX: PREPARATION

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

DATE ISSUED: September 5, 2008

BY: Product safety committee

SUPERSEDES: July 17, 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.**