

MATERIAL SAFETY DATA SHEET

SECTION I: IDENTIFICATION OF PRODUCT

COMPANY: **Diversity Technologies Corp.** DATE: **February 5, 2009**
8750 – 53rd Ave. PHONE: 780-468-4064
Edmonton, AB T6E 5G2 FAX: 780-469-1899

PRODUCT NAME: **Cage Absorbent & Cage T408 (Zeolite)**

PRODUCT USE: Industrial absorbent
CHEMICAL FAMILY: Mixture CAS#: Mixture

WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (WHMIS)

WHMIS CLASSIFICATION: D2A
WORKPLACE HAZARD: Potential carcinogen; contains free silica

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> |
|---|----------------|-------------------|--------------------------------|---------------------------------|---|
| Crystalline silica | 3.7 | 14808-60-7 | Not available | Not available | 0.025 mg/m ³ (respirable) |
| Crystalline silica (Quartz) (Respirable) < 0.0007 | | | | | |

SECTION III: HEALTH HAZARDS

ROUTE OF ENTRY: [] EYE CONTACT [] SKIN [XX] INHALATION [] INGESTION
EYE CONTACT: Mechanical irritant.
SKIN CONTACT: Possible drying resulting in dermatitis.
INGESTION: No adverse effects expected.

INHALATION: May cause irritation of the upper respiratory tract. This product contains crystalline silica. Breathing silica containing dust may not cause noticeable injury or illness even though permanent lung damage may be occurring. Chronic inhalation may cause silicosis, a progressive, disabling and sometimes fatal lung disease. Chronic inhalation exposure to crystalline silica quartz has been observed to cause lymph node effects, kidney effects and auto-immune disease.

CARCINOGENICITY: Cage absorbent/zeolite is not listed by ACGIH, IARC, NTP or OSHA. Crystalline silica, when inhaled from occupational sources, is considered as a human carcinogen by IARC (Class 1) and by NTP. ACGIH classifies crystalline silica, quartz, as a suspected human carcinogen (A2).

TERATOGENICITY: No information available.

REPRODUCTIVE TOXICITY: No information available.

MUTAGENICITY: Crystalline silica has been shown to cause mutagenic effects in human cells in-vitro.

SYNERGISTIC PRODUCTS: No information available.

SECTION IV: FIRST AID MEASURES

SKIN CONTACT: If irritations occur or when shift end, wash with soap and water until clean.

EYE CONTACT: Flush with gently flowing warm water until particles are removed. If irritation persists, contact a physician.

INGESTION: If large amounts ingested, get immediate medical attention.

INHALATION: Move to area free from dust. Apply oxygen or artificial respiration if required. If symptoms persist obtain medical attention.

SECTION V: PHYSICAL DATA

| | | |
|------------------------------------|------------------------|--------------------|
| APPEARANCE AND ODOUR: | Brown solid; odourless | |
| SPECIFIC GRAVITY: | 2.1 – 2.5 | |
| BOILING POINT (°C): | Not applicable | |
| MELTING POINT (°C): | Not applicable | |
| SOLUBILITY IN WATER: | Insoluble | pH: ~5(25% slurry) |
| PERCENT VOLATILE BY VOLUME: | Not applicable | |
| EVAPORATION RATE: | Not applicable | |
| VAPOUR PRESSURE (mmHg): | Not applicable | |
| VAPOUR DENSITY (air = 1): | Not applicable | |
| BULK DENSITY: | Not available | |

SECTION VI: FIRE AND EXPLOSION HAZARD DATA

| | |
|-------------------------------------|--|
| FLASH POINT: | Not applicable |
| FLAMMABLE LIMITS: | Not applicable |
| EXTINGUISHING MEDIA: | Use media suitable for packaging and surrounding materials. |
| SPECIAL FIRE FIGHTING PROCEDURES: | Self-contained breathing apparatus required for fire fighting personnel. |
| UNUSUAL FIRE AND EXPLOSION HAZARDS: | None known. |

SECTION VII: REACTIVITY DATA

| | | |
|--|---------------------|---------------|
| STABILITY: | STABLE [XX] | UNSTABLE [] |
| INCOMPATIBILITY (CONDITIONS TO AVOID): | None known. | |
| CONDITIONS OF REACTIVITY: | | |
| HAZARDOUS DECOMPOSITION PRODUCTS: | None known. | |
| HAZARDOUS POLYMERIZATION: | WILL NOT OCCUR [XX] | MAY OCCUR [] |

SECTION VIII: PREVENTATIVE MEASURES

SPECIAL PROTECTION INFORMATION

| | |
|---------------------------------------|--|
| RESPIRATORY PROTECTION: | NIOSH/MESA approved respirators for silica bearing dust. |
| VENTILATION: | Use local ventilation to maintain PEL's/TLV's. |
| PROTECTIVE GLOVES: | Generally not necessary; personal preference. |
| EYE PROTECTION: | Suggest goggles or safety glasses. |
| OTHER PROTECTIVE EQUIPMENT (Specify): | Ensure eye wash station and safety shower are available. |

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Avoid creating dust. Avoid breathing dust; wear an approved respirator. Practice reasonable caution and personal cleanliness. Avoid eye contact. Store in cool, dry area. Empty packages contain residual hazardous material: Handle and store as if full.

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

Wear an approved respirator. Vacuum if possible to avoid generating airborne dust. Collect uncontaminated material for repackaging. Collect contaminated material in an approved container for disposal. Avoid adding water; the product will become slippery when wet.

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 packaging 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: February 5, 2009 BY: Product safety committee
SUPERSEDES: February 8, 2006 PHONE: 780-440-4923

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