



### SECTION I: IDENTIFICATION OF PRODUCT

COMPANY: **Diversity Technologies Corp.** DATE: **October 27, 2015**  
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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

INGREDIENT	% (w/w)	CAS NUMBER	LD <sub>50</sub> Oral-Rat	LC <sub>50</sub> Inhal-Rat	ACGIH-TLV
Poly(oxy-1,2-ethanediyl), alpha-[3,5-dimethyl-1-(2-methylpropyl)hexyl]-.omega.-hydroxy	<=7	60828-78-6	>5000 mg/kg (based on similar material)	Not available	Not established

### SECTION III: HEALTH HAZARDS

ROUTE OF ENTRY:  EYE CONTACT  SKIN CONTACT  INHALATION  INGESTION

EYE CONTACT: Contains an ingredient that is a severe irritant and can cause damage with prolonged contact.

SKIN CONTACT: May cause irritation.

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.

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MUTAGENICITY: No information available.  
SYNERGISTIC PRODUCTS: No information available.

### SECTION IV: FIRST AID MEASURES

SKIN CONTACT: Remove contaminated clothing. Immediately wash affected area with plenty of water and soap. If irritation develops and persists obtain medical attention.

EYE CONTACT: Flush with gently flowing warm water for minimum 15 minutes or until irritation ceases. Hold eyelids open to ensure thorough flushing. Obtain medical attention when flushing is completed.

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: Opaque white liquid; mild odour  
SPECIFIC GRAVITY: 0.98 @ 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<sub>2</sub>, 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.

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HAZARDOUS COMBUSTION PRODUCTS: 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  UNSTABLE  
INCOMPATIBILITY (CONDITIONS TO AVOID): Avoid strong oxidizers.  
CONDITIONS OF REACTIVITY: Contact with incompatibles.  
HAZARDOUS DECOMPOSITION PRODUCTS: Upon prolonged heating above 150 °C hazardous decomposition products may be released:  
Formaldehyde  
HAZARDOUS POLYMERIZATION:  WILL NOT OCCUR  MAY OCCUR

## SECTION VIII: PREVENTIVE 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. Avoid temperature extremes (recommended storage temperature: 0 – 38°C). Follow all MSDS/label precautions even after container is emptied because they may retain product residues.

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## 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.

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