



SECTION 1: IDENTIFICATION

PRODUCT IDENTIFIER: **DEFOAMER SILICONE**
OTHER MEANS OF IDENTIFICATION: None
RECOMMENDED USE: Oilfield drilling fluid and cement additive
RESTRICTIONS ON USE: None known
SUPPLIER IDENTIFIER: **Prairie Mud Service**
538-6th Street
Estevan, SK S4A 1A4
306-634-3411
EMERGENCY PHONE NUMBER 24 hr: 306-634-3411

SECTION 2: HAZARD IDENTIFICATION

CLASSIFICATION: Serious eye damage / eye irritation – Category 1

LABEL SYMBOLS:



SIGNAL WORD: DANGER

CLASSIFICATION INFORMATION: Causes serious eye damage.

Wear eye protection/ face protection.

PRECAUTIONARY STATEMENTS: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a doctor.

OTHER HAZARDS: None known.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS NUMBER	CONCENTRATION
Poly(oxy-1,2-ethanediyl), .alpha.-[3,5-dimethyl-1-(2-methylpropyl)hexyl]-.omega.-hydroxy-	60828-78-6	<=7% w/w

SECTION 4: FIRST AID MEASURES

SKIN CONTACT: Remove contaminated clothing and wash contacted area thoroughly with water and soap. If irritation occurs and persists, obtain medical attention.

EYE CONTACT: Immediately flush with gently flowing warm water for minimum 15 minutes. Hold eyelids open to ensure thorough flushing. Obtain medical attention when flushing is complete and no further irritation is felt.

INGESTION: Do not induce vomiting unless directed to do so by medical personnel. If fully conscious, rinse mouth and give 1 to 2 glasses of water. If vomiting occurs, keep head below hips to prevent vomitus being aspirated into lungs. Obtain medical attention immediately. Never give anything by mouth if victim is unconscious, rapidly losing consciousness or convulsing.



SAFETY DATA SHEET DEFOAMER SILICONE

INHALATION:	Move to fresh air. If victim is not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. If breathing difficulties or distress continues obtain medical attention.
MOST IMPORTANT SYMPTOMS/EFFECTS:	Contact with liquid causes eye irritation and may cause eye damage without prompt first aid.
IMMEDIATE MEDICAL ATTENTION/SPECIAL TREATMENT:	Treat symptomatically.

SECTION 5: FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA:	Carbon dioxide, foam or dry powder.
UNSUITABLE EXTINGUISHING MEDIA:	Water may be ineffective.
SPECIFIC FIRE HAZARDS:	Material will burn in a fire. Containers can build up pressure if exposed to heat.
HAZARDOUS COMBUSTION PRODUCTS:	Oxides of carbon, hydrocarbons, formaldehyde, fumes and smoke.
SPECIAL PROTECTIVE EQUIPMENT & PRECAUTIONS:	Self-contained breathing apparatus required for fire-fighting personnel.

SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Eliminate sources of ignition. Use suitable safety equipment. Stop leak if possible to do so without risk. Dike to prevent spilled material from entering storm sewers and/or natural waterways.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEAN UP

Small spills: Soak up with absorbent material; collect contaminated absorbent in approved containers for disposal; flush spill area with water.
Large spills: Dike to prevent spread of material; collect uncontaminated material for repackaging; collect contaminated material in approved containers for disposal; treat remaining material as a small spill.

SECTION 7: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING

Minimize breathing vapour or mist. Wear suitable protective clothing to prevent contact. Remove contaminated clothing; launder or dry-clean before reuse. Wash skin thoroughly after contact, before breaks and meals, and at end of work period.

CONDITIONS FOR SAFE STORAGE & INCOMPATIBILITIES

Store in cool and dry location away from incompatible materials and ignition sources. Empty packages contain residual hazardous material; handle and store as if full.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMITS:	Not established for product or component ingredients.
ENGINEERING CONTROLS:	Use only with adequate ventilation. Use process enclosure, local exhaust ventilation or other engineering controls to keep worker exposure below limits.
RESPIRATORY PROTECTION:	PERSONAL PROTECTIVE MEASURES Use a properly fitted organic vapour filter respirator complying with an approved standard if airborne concentrations exceeds TLV or if a risk assessment indicates this is necessary.
PROTECTIVE GLOVES:	Rubber gauntlets recommended.
EYE PROTECTION:	Wear tight fitting chemical goggles. Do not wear contact lenses.
OTHER PROTECTIVE EQUIPMENT (SPECIFY):	Protective clothing as required to prevent contact. Ensure eye-wash station and



emergency shower are available.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Opaque white liquid
ODOUR:	Mild odour
ODOUR THRESHOLD:	Not available
pH:	Not available
MELTING POINT / FREEZING POINT:	~0°C
BOILING POINT / RANGE:	>100°C
FLASH POINT:	>94°C
EVAPORATION RATE:	<1 (n-butyl acetate = 1)
FLAMMABILITY:	Not applicable
FLAMMABILITY / EXPLOSIVE LIMITS:	Not available
VAPOUR PRESSURE:	>24 mmHg @68°F
VAPOUR DENSITY:	Not available
RELATIVE DENSITY:	0.98 @ 25°C
SOLUBILITY:	Dispersible with water
PARTION COEFFICIENT:	Not available
AUTO-IGNITION TEMPERATURE:	Not applicable
DECOMPOSITION TEMPERATURE:	150°C
VISCOSITY:	Not available

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY:	Not reactive under normal conditions.
CHEMICAL STABILITY:	Stable under recommended storage conditions.
POSSIBILITY OF HAZARDOUS REACTIONS:	None under normal conditions of use.
CONDITIONS TO AVOID:	Avoid ignition sources and high temperatures.
INCOMPATIBLE MATERIALS:	Avoid strong oxidizers.
HAZARDOUS DECOMPOSITION PRODUCTS:	Upon prolonged heating above 150 °C hazardous decomposition products may be released: Formaldehyde.

SECTION 11: TOXICOLOGICAL INFORMATION

PRODUCT TOXICITY: No product data available.

COMPONENT TOXICITY

INGREDIENT	LD50 (oral)	LD50 (dermal)	LC50 (inhal)
Poly(oxy-1,2-ethanediyl), .alpha.-[3,5-dimethyl-1-(2-methylpropyl)hexyl]-.omega.-hydroxy-	>5000 mg/kg (rat)	>4000 mg/kg (rabbit)	Not available

SKIN CONTACT: May cause mild to moderate irritation on contact.

EYE CONTACT: Contains an ingredient which is a severe irritant and can cause damage with prolonged contact. Prompt access to eye wash station is required.



SAFETY DATA SHEET DEFOAMER SILICONE

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:	Not listed by NTP, IARC, OSHA or ACGIH.
TERATOGENICITY:	No information available.
REPRODUCTIVE TOXICITY:	No information available.
MUTAGENICITY:	No information available.
CHRONIC TOXICITY:	No information available.
TARGET ORGAN EFFECTS:	Based on available data no acute or chronic target organ effects are expected.

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY:	LC50 (fathead minnow) = 103 mg/L/96 hr. LC50 (water flea) = 164.9 mg/L/48 hr. IC50 (bacteria) >1000 mg/L/16 hr.
PERSISTENCE AND DEGRADABILITY:	Poly(oxy-1,2-ethanediyl), .alpha.-[3,5-dimethyl-1-(2-methylpropyl)hexyl]-.omega.-hydroxy- : Biodegradation under aerobic static laboratory conditions is moderate (BOD20 or BOD28/ThOD between 10 and 40%).
BIOACCUMULATIVE POTENTIAL:	Not expected to bioaccumulate.
MOBILITY IN SOIL:	Not available.
OTHER ADVERSE EFFECTS:	None know.

SECTION 13: DISPOSAL CONSIDERATIONS

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, which have not been cleaned and purged, contain residual hazardous material and must be recycled, or disposed of, in accordance with local regulations.

SECTION 14: TRANSPORTATION INFORMATION

TDG	Not regulated
DOT	Not regulated
IATA	Not regulated
IMDG	Not regulated
UN NUMBER:	Not applicable
PROPER SHIPPING NAME:	Not applicable
CLASS:	Not applicable
PACKING GROUP:	Not applicable
IMDG HAZARDS:	Not a marine pollutant
BULK TRANSPORT:	Not regulated
SPECIAL PRECAUTIONS:	None

SECTION 15: REGULATORY INFORMATION

DSL:	Listed
------	--------



Prairie Mud Service

Fluid Solutions Thru Experience and Technology

SAFETY DATA SHEET DEFOAMER SILICONE

WHMIS CLASS:

D2B

TSCA:

Listed

SECTION 16: OTHER INFORMATION

REVISION DATE:

April 17, 2019

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