

# DEFOAM

## SECTION 1. IDENTIFICATION

<b>Product Identifier</b>	DEFOAM
<b>Other Means of Identification</b>	Alcohol and surfactant blend in mineral oil
<b>Product Family</b>	Antifoam Agent
<b>Recommended Use</b>	Drilling Fluid Additive.
<b>Supplier Identifier</b>	Bri-Chem Supply Ltd., Bay 4, 5510 - 3rd Street SE, Calgary, Alberta, T2H 1J9, Bri-Chem Supply, 403-252-5904, www.brichemsupply.com
<b>Emergency Phone No.</b>	ChemTrec, (800) 424-9300, 24/7

## SECTION 2. HAZARD IDENTIFICATION

### Classification

Skin irritation - Category 2; Eye irritation - Category 2A

### Label Elements



Signal Word:

Warning

Hazard Statement(s):

Causes skin irritation.

Causes serious eye irritation.

Precautionary Statement(s):

Prevention:

Wash hands and skin thoroughly after handling.

Wear eye protection/face protection.

Wear protective gloves.

Response:

IF ON SKIN: Wash with plenty of water.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

If skin irritation occurs: Get medical advice or attention.

If eye irritation persists: Get medical advice or attention.

Take off contaminated clothing and wash it before reuse.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	%	Other Identifiers
2-Ethyl-1-hexanol	104-76-7	15-40	

## SECTION 4. FIRST-AID MEASURES

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## First-aid Measures

### Inhalation

Remove to fresh air. Do not allow victim to move about unnecessarily. Symptoms of pulmonary edema may be delayed. If breathing has stopped, trained personnel should begin artificial respiration (AR). If heart has stopped, trained personnel should begin cardiopulmonary resuscitation (CPR) immediately. Get medical attention immediately.

### Skin Contact

Take off contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Quickly and gently blot or brush away excess chemical. Immediately rinse with lukewarm, gently flowing water for 15-20 minutes. If irritation develops or persists, seek medical attention.

### Eye Contact

Quickly and gently blot or brush chemical off the face. Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for at least 30 minutes, while holding the eyelid(s) open. Do not allow victim to rub eyes. If eye irritation develops or persists, seek medical attention.

### Ingestion

Rinse mouth with water. Drink 2-3 glasses of water. DO NOT INDUCE VOMITING. If vomiting occurs naturally, keep the head below hips to prevent aspiration. Never give anything by mouth to an unconscious or convulsing victim. Have victim rinse mouth with water again. If breathing is difficult, trained personnel should administer emergency oxygen. If breathing has stopped, trained personnel should immediately begin artificial respiration (AR). Get immediate medical attention.

## SECTION 5. FIRE-FIGHTING MEASURES

### Extinguishing Media

#### Suitable Extinguishing Media

Use extinguishing agent suitable for surrounding fire.

#### Unsuitable Extinguishing Media

DO NOT use water jet.

### Specific Hazards Arising from the Product

Not classified as flammable or combustible. Flash Point: > 93.3°C.

### Special Protective Equipment and Precautions for Fire-fighters

The use of self-contained breathing apparatus is recommended for firefighters.

Firefighters must wear a full-body encapsulating chemical protective suit with positive-pressure self-contained breathing apparatus (SCBA).

## SECTION 6. ACCIDENTAL RELEASE MEASURES

### Personal Precautions, Protective Equipment, and Emergency Procedures

Evacuate the area immediately and isolate the hazard area. Keep unnecessary and unprotected personnel from entering. Use the personal protective equipment recommended in Section 8 of this safety data sheet.

### Environmental Precautions

It is good practice to prevent releases into the environment. Do not allow into any sewer, on the ground or into any waterway.

### Methods and Materials for Containment and Cleaning Up

Stop or reduce leak if safe to do so. Use appropriate safety equipment. Contain and soak up spill with absorbent that does not react with spilled product. Place used absorbent into suitable, covered, labelled containers for disposal. Contaminated absorbent poses the same hazard as the spilled product. Flush spill area. Collect washing for disposal.

## SECTION 7. HANDLING AND STORAGE

### Precautions for Safe Handling

Practice reasonable caution and personal cleanliness. Avoid ingestion. Avoid contact with skin and eyes. Wear personal protective equipment to avoid direct contact with this chemical. Keep containers tightly closed when not in

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use.

Handle in accordance with good industrial hygiene and safety practice. DO NOT eat, drink, smoke or store food in work areas. Remove contaminated clothing, etc prior to entering eating areas or leaving work area. It is good practice to: avoid breathing product; avoid skin and eye contact and wash hands after handling.

#### Conditions for Safe Storage

Store in a cool, dry, well-ventilated place. Keep container tightly closed and away from incompatible materials. Do not store in unlabeled containers.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits: Not established.

#### Appropriate Engineering Controls

General mechanical ventilation is recommended. Emergency eyewash and safety shower should be in close proximity.

#### Individual Protection Measures

##### Eye/Face Protection

Wear chemical safety goggles with side shields or splash-proof goggles.

##### Skin Protection

Wear coveralls, boots, gloves as needed to prevent skin exposure. Chemical resistant clothing such as gloves and apron are recommended.

##### Respiratory Protection

In the absence of proper ventilation, a NIOSH-approved respirator with an organic vapour cartridge is recommended.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### Basic Physical and Chemical Properties

<b>Appearance</b>	Clear green liquid.
<b>Odour</b>	Sweet
<b>Odour Threshold</b>	Not available
<b>pH</b>	7 - 8 (1% solution)
<b>Melting Point/Freezing Point</b>	Not applicable (melting); Not applicable (freezing)
<b>Initial Boiling Point/Range</b>	Not applicable
<b>Flash Point</b>	> 93.3 °C
<b>Evaporation Rate</b>	Not available
<b>Upper/Lower Flammability or Explosive Limit</b>	Not available (upper); Not available (lower)
<b>Vapour Pressure</b>	Not available
<b>Vapour Density (air = 1)</b>	Not available
<b>Relative Density (water = 1)</b>	0.890
<b>Solubility</b>	Insoluble in water
<b>Other Information</b>	
<b>Physical State</b>	Liquid

## SECTION 10. STABILITY AND REACTIVITY

#### Chemical Stability

Normally stable.

#### Possibility of Hazardous Reactions

None known.

#### Conditions to Avoid

High temperatures. Open flames, sparks, static discharge, heat and other ignition sources.

#### Incompatible Materials

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Strong oxidizing agents (e.g. perchloric acid), organic acids (e.g. acetic acid).

#### **Hazardous Decomposition Products**

Oxides of carbon.

## **SECTION 11. TOXICOLOGICAL INFORMATION**

General irritancy of product is high.

#### **Likely Routes of Exposure**

Skin contact; skin absorption; eye contact; inhalation; ingestion.

#### **Acute Toxicity**

(2-Ethyl-1-hexanol)

LD50 Oral Rat: 2500 mg/kg

LD50 Dermal Rabbit: 1985 mg/kg

#### **Skin Corrosion/Irritation**

SKIN IRRITANT. May cause moderate to severe irritation. Symptoms include pain, redness and swelling.

Animal tests show moderate to severe irritation (2-Ethyl-1-hexanol).

#### **Serious Eye Damage/Irritation**

EYE IRRITANT. May cause moderate to severe irritation. Symptoms include sore, red eyes and tearing.

Animal tests show moderate to severe irritation (2-Ethyl-1-hexanol).

#### **STOT (Specific Target Organ Toxicity) - Single Exposure**

##### **Inhalation**

High vapour concentrations are irritating to the respiratory tract and may cause headaches, dizziness, anesthesia and drowsiness.

##### **Ingestion**

Can irritate the mouth, throat and stomach. Symptoms may include nausea, vomiting, stomach cramps and diarrhea.

#### **Carcinogenicity**

Not a carcinogen.

#### **Germ Cell Mutagenicity**

An ingredient in this product has caused mutagenic effects in vitro in the presence of activation.

No information was located for: Respiratory and/or Skin Sensitization, Development of Offspring, Sexual Function and Fertility, Interactive Effects

## **SECTION 12. ECOLOGICAL INFORMATION**

No ecotoxicity or environmental fate data available.

## **SECTION 13. DISPOSAL CONSIDERATIONS**

#### **Disposal Methods**

Recycle and reuse product, if possible. Dispose of in accordance with federal, provincial and local government regulations.

## **SECTION 14. TRANSPORT INFORMATION**

Not regulated under Canadian TDG regulations.

**Special Precautions** Not applicable

**Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable

## **SECTION 15. REGULATORY INFORMATION**

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## Safety, Health and Environmental Regulations

### Canada

#### WHMIS 1988 Classification



Class D2B

D2B - Toxic (Skin irritant; Eye irritant)

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all of the information required by the Controlled Products Regulations.

#### Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL)

All intentional components of this product are either on the DSL, the confidential DSL or notifications / import restrictions are in place.

## SECTION 16. OTHER INFORMATION

**SDS Prepared By** Bri-Chem Supply Ltd

**Phone No.** (403) 252-5904

**Date of Preparation** December 18, 2015

**Date of Last Revision** July 20, 2016

**Disclaimer** This Health and Safety information is correct to the best of our knowledge and belief at the date of its publication, but we cannot accept liability for any loss, injury or damage which may result from its use. We shall ensure, so far as is reasonably practicable, that any revision of this Data Sheet is sent to all customers to whom we have directly supplied this substance, but must point out that it is the responsibility of any intermediate supplier to ensure that such revision is passed to the ultimate user. The information given in the Data Sheet is designed only as guidance for safe handling, storage, and the use of the substance. It is not a specification nor does it guarantee any specific properties. All chemicals should be handled only by competent personnel, within a controlled environment. Should further information be required, this can be obtained through the sales office whose address is at the top of this data sheet.

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