

# SAFETY DATA SHEET

## BAROFIBRE®

Revision Date: 05-Mar-2014

Revision Number: 16

### 1. Product and Company Identification

**Product Name****Product Trade Name:** BAROFIBRE®**Other Names****Synonyms:** None**Product Code:** HM003539**Recommended Use****Recommended Use** Loss Circulation Material**Uses Advised Against** No information available**Company Name, Address and Contact Details****Manufacturer/Supplier** Halliburton New Zealand  
1 Paraite Rd,  
Bell Block, New Plymouth  
New Zealand Registration No.: 824207**E-Mail address:** fdunexchem@halliburton.com**Emergency Telephone Number** +64-6-7559274**New Zealand National Poisons  
Centre** 0800 764 766 (24 hours)

### 2. Hazard(s) Identification

**Statement of Hazardous Nature**

Not Classified as hazardous according to criteria in the Hazardous Substances (Minimum Degrees of Hazard) Regulation 2001; Not Classified as dangerous good according to NZS 5433:2012, UN, IMDG or IATA

**Classification**

Non-hazardous

**Hazard and Precautionary Statements****Hazard Pictograms****Signal Word** None**Hazard Statements** Not Hazardous**Precautionary Statements****Prevention** None**Response** None**Storage** None**Disposal** None**Contains**

Substances	CAS Number	Substance HSNO Classification
Contains no hazardous substances	Mixture	Not applicable

### 2.3 Other Hazards

Dust can form an explosive mixture in air

## 3. Composition and Information on Ingredients

Substances	CAS Number	PERCENT (w/w)
Contains no hazardous substances	Mixture	60 - 100%

## 4. First-Aid Measures

### Requirements for First Aid or Medical Care

<b>Inhalation</b>	Under normal conditions, first aid procedures are not required.
<b>Eyes</b>	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.
<b>Skin</b>	Under normal conditions, first aid procedures are not required.
<b>Ingestion</b>	Under normal conditions, first aid procedures are not required.

### Workplace Facilities Required

None

### Relation to Health Effect

#### Most Important Symptoms/Effects

No significant hazards expected.

### Medical Attention and Special Treatment

#### Notes to Physician

Treat symptomatically

## 5. Fire-fighting measures

### Type of Hazard

#### Flammability Hazard

Organic dust in the presence of an ignition source can be explosive in high concentrations. Good housekeeping practices are required to minimize this potential.

### 5.1 Extinguishing media

#### Suitable Extinguishing Media

Water fog, carbon dioxide, foam, dry chemical.

#### Extinguishing media which must not be used for safety reasons

None known.

### HAZCHEM Code

Hazchem Code: None Allocated

### Special Protective Equipment and Precautions for Fire Fighters

#### Special Protective Equipment for Fire-Fighters

Full protective clothing and approved self-contained breathing apparatus required for fire fighting personnel.

#### Special Exposure Hazards

Organic dust in the presence of an ignition source can be explosive in high concentrations. Good housekeeping practices are required to minimize this potential.

## 6. Spillage, Accidental Release Measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Use appropriate protective equipment.  
See Section 8 for additional information

### 6.2 Environmental precautions

None known.

### **6.3 Methods and material for containment and cleaning up**

Scoop up and remove.

### **6.4 Reference to other sections**

See Section 8 and 13 for additional information.

## **7. Handling and Storage**

### **7.1 Precautions for Safe Handling**

#### **Handling Precautions**

Avoid creating or inhaling dust.

#### **Handling Practices**

##### **Hygiene Measures**

Handle in accordance with good industrial hygiene and safety practice

##### **Approved Handlers**

This product does NOT require an approved handler.

### **7.2 Conditions for safe storage, including any incompatibilities**

Store away from oxidizers. Store in a dry location. Product has a shelf life of 36 months.

#### **Store Site Requirements**

No special controls required

#### **Packaging**

No special packaging required

## **8. Exposure Controls and Personal Protection**

### **Workplace Exposure Standards**

#### **Exposure Limits**

<b>Substances</b>	<b>CAS Number</b>	<b>New Zealand WES</b>	<b>ACGIH TLV-TWA</b>
Contains no hazardous substances	Mixture	Not applicable	Not applicable

#### **Engineering Controls**

**Engineering Controls** Use in a well ventilated area.

### **Personal Protective Equipment (PPE)**

#### **Respiratory Protection**

If engineering controls and work practices cannot keep exposure below occupational exposure limits or if exposure is unknown, wear a NIOSH certified, European Standard EN 149, or equivalent respirator when using this product. Selection of and instruction on using all personal protective equipment, including respirators, should be performed by an Industrial Hygienist or other qualified professional.

#### **Hand Protection**

Normal work gloves.

#### **Skin Protection**

Normal work coveralls.

#### **Eye Protection**

Safety glasses.

#### **Other Precautions**

None known.

#### **Hygiene Measures**

Handle in accordance with good industrial hygiene and safety practice

## **9. Physical and Chemical Properties**

### **9.1 Information on basic physical and chemical properties**

**Physical State:** Solid Powder

**Color:** Tan

**Odor:** Odorless

**Odor Threshold:** No information available

Property Remarks/ - Method	Values
<b>pH:</b>	4.9 (1%)
<b>Freezing Point/Range</b>	190 °C
<b>Melting Point/Range</b>	No data available
<b>Boiling Point/Range</b>	No data available
<b>Flash Point</b>	193 °C PMCC
<b>Evaporation rate</b>	No data available
<b>Vapor Pressure</b>	No data available
<b>Vapor Density</b>	No data available
<b>Specific Gravity</b>	1.3
<b>Water Solubility</b>	Insoluble in water
<b>Solubility in other solvents</b>	No data available
<b>Partition coefficient: n-octanol/water</b>	No data available
<b>Autoignition Temperature</b>	No data available
<b>Decomposition Temperature</b>	No data available
<b>Viscosity</b>	No data available
<b>Explosive Properties</b>	No information available
<b>Oxidizing Properties</b>	No information available

**9.2 Other information**

**VOC Content (%)** No data available

## 10. Stability and Reactivity

**10.2 Chemical Stability**

Stable

**10.4 Conditions to Avoid**

None anticipated

**10.5 Incompatible Materials**

Strong oxidizers.

**10.6 Hazardous Decomposition Products**

None known.

**Hazardous Reactions**

**Hazardous Polymerization:** Will Not Occur

## 11. Toxicological Information

**Health Effect from Likely Routes of Exposure****Acute Toxicity**

<b>Inhalation</b>	May cause mild respiratory irritation.
<b>Eye Contact</b>	May cause mild eye irritation.
<b>Skin Contact</b>	None known.
<b>Ingestion</b>	None known

**Chronic Effects/Carcinogenicity**

No data available to indicate product or components present at greater than 1% are chronic health hazards.

**Toxicity Data****Toxicology data for the components**

Substances	CAS Number	LD50 Oral	LD50 Dermal	LC50 Inhalation
Contains no hazardous substances	Mixture	No data available	No data available	No data available

## 12. Ecological Information

### 12.1 Toxicity

#### Ecotoxicity Effects

#### Product Ecotoxicity Data

No data available

#### Substance Ecotoxicity Data

Substances	CAS Number	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Toxicity to Invertebrates
Contains no hazardous substances	Mixture	No information available	No information available	No information available	No information available

### 12.2 Persistence and degradability

Biodegradable.

### 12.3 Bioaccumulative potential

Does not bioaccumulate

### 12.4 Mobility in soil

No information available

#### Ecotoxicity Hazard Statements

None known

### 12.6 Other adverse effects

#### Endocrine Disruptor Information

This product does not contain any known or suspected endocrine disruptors

## 13. Disposal Considerations

### 13.1 Waste treatment methods

#### Disposal Method

#### Contaminated Packaging

Bury in a licensed landfill according to federal, state, and local regulations.

Follow all applicable national or local regulations.

## 14. Transport Information

#### IMDG/IMO

UN Number: Not restricted.  
 UN Proper Shipping Name: Not restricted  
 Transport Hazard Class(es): Not applicable

#### NZ 5433.1999

UN Number: Not restricted.  
 UN Proper Shipping Name: Not restricted  
 Transport Hazard Class(es): Not applicable

#### IATA/ICAO

UN Number: Not restricted.  
 UN Proper Shipping Name: Not restricted  
 Transport Hazard Class(es): Not applicable

Special Precautions for User None

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

## 15. Regulatory Information

New Zealand Inventory of  
Chemicals

All components listed on inventory or are exempt.

<b>HSNO Approval Number</b>	Non-hazardous
<b>Group Name</b>	Not Applicable
<b>HSNO Controls</b>	Refer to the NZ EPA website for more information: <a href="http://www.epa.govt.nz">http://www.epa.govt.nz</a>
<b>Approved Handlers</b>	Not Applicable
<b>Poisons Schedule:</b>	None Allocated

<b>16. Other information, including date of preparation or last revision</b>
--

**The following sections have been revised since the last issue of this SDS**

Not applicable

**Additional information**

For additional information on the use of this product, contact your local Halliburton representative.

For questions about the Safety Data Sheet for this or other Halliburton products, contact Chemical Compliance at 1-580-251-4335.

**Key literature references and sources for data**[www.ChemADVISOR.com/](http://www.ChemADVISOR.com/)  
NZ CCID**Revision Date:** 05-Mar-2014**Revision Note**

Not applicable

**Disclaimer Statement**

This information is furnished without warranty, expressed or implied, as to accuracy or completeness. The information is obtained from various sources including the manufacturer and other third party sources. The information may not be valid under all conditions nor if this material is used in combination with other materials or in any process. Final determination of suitability of any material is the sole responsibility of the user.

**End of Safety Data Sheet**