

**SAFETY DATA SHEET****PAC™-L**

Revision Date: 18-Apr-2014

Revision Number: 16

**1. Product and Company Identification****Product Name****Product Trade Name:** PAC™-L**Other Names****Synonyms:** None**Product Code:** HM003724**Recommended Use****Recommended Use** Fluid Loss Additive**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**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**

9.1C Harmful in the aquatic environment

**Hazard and Precautionary Statements****Hazard Pictograms****Signal Word** None**Hazard Statements** H412 - Harmful to aquatic life with long lasting effects**Precautionary Statements****Prevention** P103 - Read label before use  
P104 - Read Safety Data Sheet before use.**Response** None**Storage** None**Disposal** P501 - Dispose of contents/container to an approved landfill

**Contains**

Substances	CAS Number	Substance HSNO Classification
Polysaccharide	Proprietary	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)
Polysaccharide	Proprietary	60 - 100%

**4. First-Aid Measures****Requirements for First Aid or Medical Care**

<b>Inhalation</b>	If inhaled, remove from area to fresh air. Get medical attention if respiratory irritation develops or if breathing becomes difficult.
<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>	Wash with soap and water. Get medical attention if irritation persists.
<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**

Avoid creating and breathing dust.

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. Avoid dust accumulations. Slippery when wet.

### **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**

Substances	CAS Number	New Zealand WES	ACGIH TLV-TWA
Polysaccharide	Proprietary	Not applicable	Not applicable

### **Engineering Controls**

#### **Engineering Controls**

A well ventilated area to control dust levels. Local exhaust ventilation should be used in areas without good cross ventilation.

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

#### **Respiratory Protection**

Not normally needed. But if significant exposures are possible then the following respirator is recommended:  
Dust/mist respirator. (N95, P2/P3)

#### **Hand Protection**

Normal work gloves.

#### **Skin Protection**

Normal work coveralls.

#### **Eye Protection**

Wear safety glasses or goggles to protect against exposure.

#### **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:** Powder

**Color:** White to off white

**Odor:** Odorless

**Odor Threshold:** No information available

Property

Values

Remarks/ - Method

<b>pH:</b>	6.5-9 (1%)
<b>Freezing Point/Range</b>	No data available
<b>Melting Point/Range</b>	No data available
<b>Boiling Point/Range</b>	No data available
<b>Flash Point</b>	No data available
<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>	1.6
<b>Water Solubility</b>	Soluble 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

<b>VOC Content (%)</b>	No data available
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## 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

Carbon monoxide and carbon dioxide.

Hazardous Reactions**Hazardous Polymerization:** Will Not Occur

## 11. Toxicological Information

Health Effect from Likely Routes of ExposureAcute Toxicity

<b>Inhalation</b>	May cause mild respiratory irritation.
<b>Eye Contact</b>	May cause mild eye irritation.
<b>Skin Contact</b>	May cause mild skin irritation.
<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 DataToxicology data for the components

Substances	CAS Number	LD50 Oral	LD50 Dermal	LC50 Inhalation
Polysaccharide	Proprietary	27000 mg/kg ( Rat )	2 g/kg ( Rabbit )	5800 mg/m <sup>3</sup> ( Rat ) 4 h

## 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
Polysaccharide	Proprietary	No information available	TLM96: 10000 ppm (Oncorhynchus mykiss)	No information available	No information available

#### 12.2 Persistence and degradability

Readily biodegradable

#### 12.3 Bioaccumulative potential

Does not bioaccumulate

#### 12.4 Mobility in soil

No information available

#### Ecotoxicity Hazard Statements

Harmful to aquatic life with long lasting effects

#### 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. Contaminated packaging may be disposed of by: rendering packaging incapable of containing any substance, or treating packaging to remove residual contents, or treating packaging to make sure the residual contents are no longer hazardous, or by disposing of packaging into commercial waste collection.

## 14. Transport Information

#### IMDG/IMO

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

#### NZ 5433.1999

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

#### IATA/ICAO

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

<b>New Zealand Inventory of Chemicals</b>	All components listed on inventory or are exempt.
<b>HSNO Approval Number</b>	HSR003136
<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

**16. Other information, including date of preparation or last revision**

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:** 18-Apr-2014

**Revision Note**

Not applicable

**Disclaimer Statement**

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**End of Safety Data Sheet**