

## SAFETY DATA SHEET

### HALAD® 413 CEMENT ADDITIVE

Revision Date: 10-Oct-2013

Revision Number: 15

#### 1. Product and Company Identification

**Product Name**

**Product Trade Name:** HALAD® 413 CEMENT ADDITIVE

**Other Names**

**Synonyms:** None

**Product Code:** HM000823

**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**

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**

None known

**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>	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**

All standard fire fighting media

**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**

Decomposition in fire may produce toxic gases. 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. Avoid creating and breathing dust.

See Section 12 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 12 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 in a cool, dry location.

### **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
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**

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:** Solid

**Color:** Brown-black

**Odor:** Sweet

**Odor Threshold:** No information available

Property

Values

Remarks/ - Method

**pH:**

7.5

**Freezing Point/Range**

No data available

Melting Point/Range	No data available
Boiling Point/Range	No data available
Flash Point	No data available
Evaporation rate	No data available
Vapor Pressure	No data available
Vapor Density	No data available
Specific Gravity	1.48
Water Solubility	Miscible with water
Solubility in other solvents	No data available
Partition coefficient: n-octanol/water	No data available
Autoignition Temperature	No data available
Decomposition Temperature	No data available
Viscosity	No data available
Explosive Properties	No information available
Oxidizing Properties	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**

Oxides of nitrogen. Oxides of sulfur. Carbon monoxide and carbon dioxide.

**Hazardous Reactions**

Hazardous Polymerization: Will Not Occur

## 11. Toxicological Information

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

Inhalation	None known.
Eye Contact	May cause mild eye irritation.
Skin Contact	May cause mild skin irritation.
Ingestion	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	Daphnia Magna (Water Flea)
Contains no hazardous substances	Mixture	No information available	No information available	No information available	No information available

**12.2 Persistence and degradability**

Not readily 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**

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

**Contaminated Packaging**

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.

**HSNO Approval Number**

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>
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**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:** 10-Oct-2013

**Revision Note**

Not applicable

**Disclaimer Statement**

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**End of Safety Data Sheet**