

SAFETY DATA SHEET**HALAD® 322 CEMENT ADDITIVE**

Revision Date: 27-Mar-2013

Revision Number: 10

1. Product and Company Identification**Product Name****Product Trade Name:** HALAD® 322 CEMENT ADDITIVE**Other Names****Synonyms:** None
Product Code: HM000811**Recommended Use****Recommended Use** Cement 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**HSNO Classification** Non-hazardous**Hazard and Precautionary Statements****Hazard Pictograms****Signal Word** None**Hazard Statements** Not Hazardous

2. Hazard(s) Identification**Precautionary Statements**

Prevention None

Response None

Storage None

Disposal None

Contains

Substances	CAS Number
Cellulose derivative	Proprietary
Sodium formate	141-53-7

Other Hazards

None known

3. Composition and Information on Ingredients

Substances	CAS Number	PERCENT
Cellulose derivative	Proprietary	10 - 30%
Sodium formate	141-53-7	1 - 5%

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

Inhalation If inhaled, remove from area to fresh air. Get medical attention if respiratory irritation develops or if breathing becomes difficult.

Eyes In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.

Skin Wash with soap and water. Get medical attention if irritation persists.

Ingestion 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**

5. Fire-Fighting Measures

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.

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

Personal precautions, protective equipment and emergency procedures

Use appropriate protective equipment. Avoid creating and breathing dust.

See Section 12 for additional information

Environmental precautions

None known.

Methods and material for containment and cleaning up

Scoop up and remove.

Reference to other sections

See Section 12 for additional information.

7. Handling and Storage

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.

Conditions for safe storage, including any incompatibilities

Store in a cool, dry location.

Store Site Requirements

No special controls required

7. Handling and Storage

Packaging

No special packaging required

8. Exposure Controls and Personal Protection

Workplace Exposure Standards

Substances	CAS Number	New Zealand WES	ACGIH TLV-TWA
Cellulose derivative		Not applicable	10 mg/m ³
Sodium formate	141-53-7	Not applicable	Not applicable

Engineering Controls

Engineering Controls Use in a well ventilated area.

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

Information on basic physical and chemical properties

Physical State:	Solid	Color:	Red
Odor:	Odorless	Odor Threshold:	No information available

Property	Values
Remarks/ Method	
pH:	No data available
Melting Point/Range	No data available
Freezing Point/Range (C):	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	1.28
Water Solubility	Partly soluble
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
Other information	
VOC Content (%)	No data available

10. Stability and Reactivity

Chemical Stability

10. Stability and Reactivity

Stable

Conditions to Avoid

None anticipated

Incompatible Materials

Strong oxidizers.

Hazardous Decomposition Products

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	May cause mild respiratory irritation.
Eye Contact	May cause mild eye irritation.
Skin Contact	None known.
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

Substances	LD50 Oral	LD50 Dermal	LC50 Inhalation
Cellulose derivative	> 2000 mg/kg	No data available	No data available
Sodium formate	> 25000 mg/kg	No data available	No data available

12. Ecological Information

Toxicity

Ecotoxicity Effects

Substances	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Cellulose derivative	No information available	No information available	No information available	TLM96: > 1,000,000 ppm (Mysidopsis bahia)
Sodium formate	EC50: 790 mg/l (Selenastrum capracornutum)	TLM96: > 1000 mg/l (Oncorhynchus mykiss)	No information available	TLM48: > 1000 mg/l (Daphnia magna)

Persistence and degradability

No information available

Bioaccumulative potential

Does not bioaccumulate

Mobility in soil

No information available

Ecotoxicity Hazard Statements

None known

Other adverse effects**Endocrine Disruptor Information**

This product does not contain any known or suspected endocrine disruptors

13. Disposal Considerations**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** Not applicable**Class(es):****NZ 5433.1999****UN Number:** Not restricted.**UN Proper Shipping Name:** Not restricted**Transport Hazard** Not applicable**Class(es):****IATA/ICAO****UN Number:** Not restricted.**UN Proper Shipping Name:** Not restricted**Transport Hazard** Not applicable**Class(es):****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**

This product does not comply with NZIOC

HSNO Approval Number

Not Hazardous

Group Name

Not Applicable

HSNO ControlsRefer to the NZ EPA website for more information: <http://www.epa.govt.nz>**Approved Handlers**

Not Applicable

Poisons Schedule:

None Allocated

16. Other Information

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/

Revision Date:

27-Mar-2013

Revision Note

Not applicable

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End of Safety Data Sheet