#### **HALLIBURTON**

## MATERIAL SAFETY DATA SHEET

Product Trade Name: HALAD® 322 EXP CEMENT ADDITIVE

Revision Date: 20-Dec-2012

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE

**COMPANY/UNDERTAKING** 

Statement of Hazardous Nature Non-Hazardous according to the criteria of NOHSC, Non-Dangerous Goods

according to the criteria of ADG.

Manufacturer/Supplier Halliburton Australia Pty. Ltd.

15 Marriott Road

Jandakot WA 6164 Australia

ACN Number: 009 000 775

Telephone Number: 61 (08) 9455 8300 Fax Number: 61 (08) 9455 5300

**Product Emergency Telephone** 

Australia: 08-64244950

Papua New Guinea: 05 1 281 575 5000

NewZealand: 06-7559274

Fire, Police & Ambulance - Emergency Telephone

Australia: 000

Papua New Guinea: 000

New Zealand: 111

**Identification of Substances or Preparation** 

Product Trade Name: HALAD® 322 EXP CEMENT ADDITIVE

Synonyms: None
Chemical Family: Blend
UN Number: None
Dangerous Goods Class: None
Subsidiary Risk: None

Hazchem Code: None Allocated

Poisons Schedule: S5

Application: Fluid Loss Additive

Prepared By Chemical Compliance

Telephone: 1-580-251-4335

e-mail: fdunexchem@halliburton.com

#### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Substances	CAS Number	PERCENT	Australia NOHSC	New Zealand WES	ACGIH TLV-TWA
Cellulose derivative	Proprietary	10 - 30%	Not applicable	Not applicable	10 mg/m <sup>3</sup>

#### COMPOSITION/INFORMATION ON INGREDIENTS Hydrotreated light petroleum 64742-47-8 30 - 60% Not applicable Not applicable Not applicable distillate

#### Non-Hazardous Substance to Total of 100%

#### HAZARDS IDENTIFICATION

May cause eye, skin, and respiratory irritation. May cause headache, dizziness, and **Hazard Overview** 

other central nervous system effects. May be harmful if swallowed.

**Risk Phrases** None

**HSNO Classification** Not Determined

#### **FIRST AID MEASURES**

If inhaled, remove from area to fresh air. Get medical attention if respiratory irritation Inhalation

develops or if breathing becomes difficult.

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

In case of contact, or suspected contact, immediately flush eyes with plenty of water Eyes

for at least 15 minutes and get medical attention immediately after flushing.

Ingestion Get medical attention! If vomiting occurs, keep head lower than hips to prevent

aspiration.

**Notes to Physician** Not Applicable

#### FIRE FIGHTING MEASURES

**Suitable Extinguishing Media** Water fog, carbon dioxide, foam, dry chemical.

Extinguishing media which must None known.

not be used for safety reasons

Decomposition in fire may produce toxic gases. Avoid spraying water directly into **Special Exposure Hazards** 

storage containers due to danger of boilover. Use water spray to cool fire exposed

surfaces.

Fire-Fighters

Special Protective Equipment for Full protective clothing and approved self-contained breathing apparatus required for

fire fighting personnel.

#### **ACCIDENTAL RELEASE MEASURES**

Personal Precautionary Measures Use appropriate protective equipment.

**Environmental Precautionary** 

Measures

Prevent from entering sewers, waterways, or low areas.

**Procedure for Cleaning /** 

**Absorption** 

Isolate spill and stop leak where safe. Remove ignition sources and work with nonsparking tools. Contain spill with sand or other inert materials. Scoop up and

remove.

#### 7. HANDLING AND STORAGE

Handling Precautions Avoid contact with eyes, skin, or clothing. Avoid breathing vapors. Wash hands after

use.

**Storage Information** Store away from oxidizers. Store in a cool well ventilated area. Keep container

closed when not in use. Keep from heat, sparks, and open flames. Product has a

shelf life of 24 months.

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls Use in a well ventilated area. Local exhaust ventilation should be used in areas

without good cross ventilation.

**Respiratory Protection**Not normally needed. But if significant exposures are possible then the following

respirator is recommended: Organic vapor respirator.

Hand Protection Impervious rubber gloves.

**Skin Protection** Rubber apron.

**Eye Protection** Chemical goggles; also wear a face shield if splashing hazard exists.

**Other Precautions** Eyewash fountains and safety showers must be easily accessible.

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid

Color: Dark black red
Odor: Hydrocarbon

pH: 6.9
Specific Gravity @ 20 C (Water=1): 0.98
Density @ 20 C (kg/l): 0.978

Bulk Density @ 20 C (kg/m³): Not Determined

Boiling Point/Range (C): 208

Freezing Point/Range (C):

Pour Point/Range (C):

Not Determined

Not Determined

Flash Point/Range (C): 71
Flash Point Method: PMCC
Autoignition Temperature (C): 215

Flammability Limits in Air - Lower (g/m³):

Flammability Limits in Air - Lower (%):

Flammability Limits in Air - Upper (g/m³):

Flammability Limits in Air - Upper (%):

Not Determined

Not Determined

Vapor Pressure @ 20 C (mmHg): 0.2

Vapor Density (Air=1): Not Determined

Percent Volatiles: 43.1 Evaporation Rate (Butyl Acetate=1): < 1

Solubility in Water (g/100ml):

Solubility in Solvents (g/100ml):

VOCs (g/l):

Viscosity, Dynamic @ 20 C (centipoise):

Viscosity, Kinematic @ 20 C (centistokes):

Partially soluble

Not Determined

#### 10. STABILITY AND REACTIVITY

Stability Data: Stable

Hazardous Polymerization: Will Not Occur

Conditions to Avoid None anticipated

Incompatibility (Materials to

Avoid)

Strong oxidizers.

**Hazardous Decomposition** 

**Products** 

Carbon monoxide and carbon dioxide.

Additional Guidelines Not Applicable

#### 11. TOXICOLOGICAL INFORMATION

**Principle Route of Exposure** Eye or skin contact, inhalation.

Sympotoms related to exposure

**Inhalation** Excessive inhalation causes headache, dizziness, nausea and incoordination.

**Skin Contact** May cause skin defatting with prolonged exposure. May cause skin irritation.

**Eye Contact** May cause eye irritation.

**Ingestion** May cause abdominal pain, vomiting, nausea, and diarrhea. Aspiration into the lungs

may cause chemical pneumonitis including coughing, difficulty breathing, wheezing,

coughing up blood and pneumonia, which can be fatal.

Aggravated Medical Conditions None known.

Chronic Effects/Carcinogenicity No data available to indicate product or components present at greater than 1% are

chronic health hazards.

Other Information None known.

**Toxicity Tests** 

Oral Toxicity: Not determined

**Dermal Toxicity:** Not determined

Inhalation Toxicity: Not determined

Primary Irritation Effect: Not determined

Genotoxicity: Not determined

**Developmental Toxicity:** 

Carcinogenicity

Reproductive /

Not determined

Not determined

#### 12. ECOLOGICAL INFORMATION

Mobility (Water/Soil/Air) Not determined

Persistence/Degradability Not determined

Bio-accumulation Not determined

#### **Ecotoxicological Information**

Acute Fish Toxicity: Not determined Acute Crustaceans Toxicity: Not determined Acute Algae Toxicity: Not determined

Chemical Fate Information Not determined

Other Information Not applicable

#### 13. DISPOSAL CONSIDERATIONS

**Disposal Method**Disposal should be made in accordance with federal, state, and local regulations.

**Contaminated Packaging** Follow all applicable national or local regulations.

#### 14. TRANSPORT INFORMATION

### **Land Transportation**

**ADR** 

Not restricted

#### **Air Transportation**

ICAO/IATA

Not restricted

#### Sea Transportation

**IMDG** 

Not restricted

#### **Other Transportation Information**

Labels: None

#### 15. REGULATORY INFORMATION

#### **Chemical Inventories**

Australian AICS Inventory
New Zealand Inventory of
All components listed on inventory or are exempt.
This product does not comply with NZIOC

Chemicals

**US TSCA Inventory** All components listed on inventory or are exempt.

EINECS Inventory This product, and all its components, complies with EINECS

Classification Not Classified

Risk Phrases None

Safety Phrases None

#### 16. OTHER INFORMATION

# The following sections have been revised since the last issue of this SDS Not applicable

#### Contact

**Australian Poisons Information Centre** 

24 Hour Service: - 13 11 26

Police or Fire Brigade: - 000 (exchange): - 1100

**New Zealand National Poisons Centre** 

0800 764 766

**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.

**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 MSDS\*\*\*