

SAFETY DATA SHEET

Mud Flush III

Revision Date: 11-Apr-2013

Revision Number: 6

1. Product and Company Identification

Product Name**Product Trade Name:** Mud Flush III**Other Names****Synonyms:** None**Product Code:** HM006355**Recommended Use****Recommended Use** Cement Pre-Flush**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**HSNO Classification** 6.8B Human reproductive or developmental toxicants**Hazard and Precautionary Statements**

2. Hazard(s) Identification

Hazard Pictograms



Signal Word

Warning

Hazard Statements

H361 - Suspected of damaging fertility or the unborn child

Precautionary Statements

Prevention

P103 - Read label before use
 P104 - Read Safety Data Sheet before use.
 P201 - Obtain special instructions before use
 P202 - Do not handle until all safety precautions have been read and understood
 P281 - Use personal protective equipment as required

Response

P308 + P313 - IF exposed or concerned: Get medical advice/attention

Storage

P405 - Store locked up

Disposal

P501 - Dispose of contents/container to an approved landfill

Contains

Substances	CAS Number	Substance HSNO Classification
Modified lignosulfonate	Proprietary	Not applicable
Sodium tetraborate	1330-43-4	6.1D 6.4A 6.8B 9.1D 9.3C

Other Hazards

None known

3. Composition and Information on Ingredients

Substances	CAS Number	PERCENT
Modified lignosulfonate	Proprietary	60 - 100%
Sodium tetraborate	1330-43-4	0 - 1%

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.

4. First-Aid Measures

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 information available

Medical Attention and Special Treatment**Notes to Physician**

Treat symptomatically

5. Fire-Fighting Measures**Type of Hazard****Flammability Hazard**

Non-flammable

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

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**Personal precautions, protective equipment and emergency procedures**

Use appropriate protective equipment. Avoid creating and breathing dust.

See Section 12 for additional information

Environmental precautions

Prevent from entering sewers, waterways, or low areas.

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**

7. Handling and Storage

Handling Precautions

Avoid contact with eyes, skin, or clothing. 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 away from oxidizers. Store in a cool, dry location. Store locked up. Product has a shelf life of 24 months.

Store Site Requirements

No special controls required

Packaging

No special packaging required

8. Exposure Controls and Personal Protection

Workplace Exposure Standards

Substances	CAS Number	New Zealand WES	ACGIH TLV-TWA
Modified lignosulfonate		Not applicable	Not applicable
Sodium tetraborate	1330-43-4	TWA: 1 mg/m ³	TWA: 2 mg/m ³ STEL: 6 mg/m ³

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

Dust/mist respirator. (N95, P2/P3)

Skin Protection

Normal work gloves.

Eye Protection

Normal work coveralls.

Other Precautions

Wear safety glasses or goggles to protect against exposure.

Hygiene Measures

None known.

Handle in accordance with good industrial hygiene and safety practice

9. Physical and Chemical Properties

Information on basic physical and chemical properties

9. Physical and Chemical Properties**Physical State:** Powder**Color:** Brown**Odor:** Mild**Odor Threshold:** No information availableProperty
Remarks/ MethodValues

pH:
Melting Point/Range
Freezing Point/Range (C):
Boiling Point/Range
Flash Point
Evaporation rate
Vapor Pressure
Vapor Density
Specific Gravity
Water Solubility
Solubility in other solvents
Partition coefficient: n-octanol/water
Autoignition Temperature
Decomposition Temperature
Viscosity
Explosive Properties
Oxidizing Properties

9.5 (50%)
No data available
No data available
No data available
No data available
No data available
No data available
No data available
1.23
Soluble in water
No data available
No data available
No data available
No data available
No data available
No data available
No information available
No information available

Other information**VOC Content (%)**

No data available

10. Stability and Reactivity**Chemical Stability**

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	May cause mild skin irritation.
Ingestion	None known

Chronic Effects/Carcinogenicity Prolonged or repeated exposure may cause embryo and fetus toxicity.**Toxicity Data**

11. Toxicological Information

Substances	LD50 Oral	LD50 Dermal	LC50 Inhalation
Modified lignosulfonate	40 g/kg (Rat)	No data available	No data available
Sodium tetraborate	2403 mg/kg (Rat)	2000 mg/kg (Rabbit)	No data available

12. Ecological Information

Toxicity Ecotoxicity Effects

Product Ecotoxicity Data

No data available

Substance Ecotoxicity Data

Substances	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Modified lignosulfonate	E(B)C50: 1.6 mg/l (Skeletonema costatum) E(R)C50: 2.4 mg/l (Skeletonema costatum)	TLM24: 160-320 mg/l (Oncorhynchus mykiss); LC50: 9650 mg/l (Cyprinus carpio)	No information available	EC50: 38225 mg/l (Daphnia magna); TLM96: > 1000 ppm (Crangon crangon)
Sodium tetraborate	No information available	No information available	No information available	No information available

Persistence and degradability

Product is biodegradable

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. Substance should NOT be deposited into a sewage facility.

Contaminated Packaging

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.

14. Transport Information

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 HSR002503

Group Name Additives, Process Chemicals and Raw Materials (Subsidiary hazard HSR002503)

HSNO Controls Refer 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/
NZ CCID

Revision Date: 11-Apr-2013
Revision Note Not applicable

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End of Safety Data Sheet