

SAFETY DATA SHEET**CFR-3L**

Revision Date: 09-Apr-2013

Revision Number: 14

1. Product and Company Identification**Product Name****Product Trade Name:** CFR-3L**Other Names****Synonyms:** None**Product Code:** HM000211**Recommended Use****Recommended Use** Friction Reducer**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	Substance HSNO Classification
Sulfonic acid salt	Proprietary	Not applicable

Other Hazards

None known

3. Composition and Information on Ingredients

Substances	CAS Number	PERCENT
Sulfonic acid salt	Proprietary	30 - 60%

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	Do not induce vomiting. Slowly dilute with 1-2 glasses of water or milk and seek medical attention. Never give anything by mouth to an unconscious person.

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

Non-flammable

5. Fire-Fighting Measures

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.

6. Spillage, Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Use appropriate protective equipment.

See Section 12 for additional information

Environmental precautions

Prevent from entering sewers, waterways, or low areas.

Methods and material for containment and cleaning up

Isolate spill and stop leak where safe. Contain spill with sand or other inert materials. 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 contact with eyes, skin, or clothing.

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 well ventilated area. Keep container closed when not in use.

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
Sulfonic acid salt		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	Chemical goggles; also wear a face shield if splashing hazard exists.
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: Liquid

Color: Red

Odor: Musty

Odor Threshold: No information available

Property

Values

Remarks/ Method

pH:

7

Melting Point/Range

No data available

Freezing Point/Range (C):

No data available

Boiling Point/Range

No data available

Flash Point

> 98°C

PMCC

Evaporation rate

No data available

Vapor Pressure

No data available

Vapor Density

No data available

Specific Gravity

1.17

Water Solubility

Soluble in 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

Other information

VOC Content (%)

No data available

10. Stability and Reactivity

Chemical Stability

Stable

Conditions to Avoid

None anticipated

Incompatible Materials

10. Stability and Reactivity

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

Substances	LD50 Oral	LD50 Dermal	LC50 Inhalation
Sulfonic acid salt	No data available	No data available	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)
Sulfonic acid salt	EC50: >3300 mg/l (Skeletonema costatum)	LC50: >1000 mg/l (Scophthalmus maximus)	No information available	LC50: 1687 mg/l (Acartia tonsa)

Sulfonic acid salt is considered a polymer of low concern due to its physical properties, including molecular weight, non-reactivity and that it is not reasonably anticipated to substantially degrade. It is therefore classified as non-hazardous.

Persistence and degradability

Not readily 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 or burn in an approved incinerator 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.

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**

All components listed on inventory or are exempt.

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**

This product does NOT require an approved handler.

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:

09-Apr-2013

Revision Note

Not applicable

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End of Safety Data Sheet