

HALLIBURTON

SAFETY DATA SHEET

HZ-20

Revision Date: 28-Jun-2013

Revision Number: 13

1. Product and Company Identification

Product Name

Product Trade Name: HZ-20

Other Names

Synonyms: None
Product Code: HM000926

Recommended Use

Recommended Use

Crosslinker

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

9.1B Ecotoxic in the aquatic environment

Hazard and Precautionary Statements

Hazard Pictograms



Signal Word None

Hazard Statements H411 - Toxic to aquatic life with long lasting effects

Precautionary Statements

Prevention	P103 - Read label before use P104 - Read Safety Data Sheet before use.
Response	P391 - Collect spillage
Storage	None
Disposal	P501 - Dispose of contents/container to an approved waste disposal plant

Contains

Substances	CAS Number	Substance HSNO Classification
Polyamine	Proprietary	9.1B (Algae, Crustacean, Fish)

Other Hazards

None known

3. Composition and Information on Ingredients

Substances	CAS Number	PERCENT (w/w)
Polyamine	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.
Ingestion	Under normal conditions, first aid procedures are not required.

Workplace Facilities Required

None

Relation to Health Effect**Most Important Symptoms/Effects**

May cause eye irritation.

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.

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 in a dry location. Store in a cool well ventilated area. Keep container closed when not in use. 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**Exposure Limits**

Substances	CAS Number	New Zealand WES	ACGIH TLV-TWA
Polyamine	Proprietary	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

Impervious rubber 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:	Liquid	Color:	Yellow
Odor:	Mild amine		

Property

Remarks/ - Method

pH:

Freezing Point/Range

Melting Point/Range

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

Values

12

-15 °C

No data available

100 °C

> 100 °C

No data available

No data available

No data available

1.05

Miscible with water

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 nitrogen. Carbon monoxide and carbon dioxide.

Hazardous Reactions

Hazardous Polymerization:

Will Not Occur

11. Toxicological Information

Health Effect from Likely Routes of Exposure

Acute Toxicity

Product Information

Under certain conditions of use, some of the product ingredients may cause the following:

Inhalation

May cause mild respiratory irritation.

Eye Contact

None known. May cause 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**Toxicology data for the components**

Substances	LD50 Oral	LD50 Dermal	LC50 Inhalation
Polyamine	2200 mg/kg (Rat)	No data available	No data available

12. Ecological Information**Toxicity****Ecotoxicity Effects****Product Ecotoxicity Data**

No data available

Substance Ecotoxicity Data**Persistence and degradability**

No information available

Bioaccumulative potential

No information available

Mobility in soil

No information available

Ecotoxicity Hazard Statements

Toxic to aquatic life with long lasting effects

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****Contaminated Packaging**

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

UN3082,

UN Proper Shipping Name:

Environmentally Hazardous Substance, Liquid, N.O.S.

Transport Hazard Class(es):

, 9

Packing Group:

, III

Environmental Hazards:

, Marine Pollutant

EMS:

EmS F-A, S-F

NZ 5433.1999

UN Number: UN3082,
UN Proper Shipping Name: Environmentally Hazardous Substance, Liquid, N.O.S.
Transport Hazard Class(es): , 9
Packing Group: , III

IATA/ICAO

UN Number: UN3082,
UN Proper Shipping Name: Environmentally Hazardous Substance, Liquid, N.O.S.
Transport Hazard Class(es): , 9
Packing Group: , III

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 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: 28-Jun-2013

Revision Note

Not applicable

Disclaimer Statement

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End of Safety Data Sheet