

## SAFETY DATA SHEET

### TUF FIBER 594

Revision Date: 08-Jul-2013

Revision Number: 11

#### 1. Product and Company Identification

**Product Name**

**Product Trade Name:** TUF FIBER 594

**Other Names**

**Synonyms:** None  
**Product Code:** HM005211

**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**

Non-hazardous

**Hazard and Precautionary Statements**

**Hazard Pictograms**

**Signal Word** None

**Hazard Statements** Not Hazardous

**Precautionary Statements**

**Prevention** None

**Response** None

**Storage** None

**Disposal** None

**Contains**

Substances	CAS Number	Substance HSNO Classification
Polypropylene	9003-07-0	Not applicable

**Other Hazards**

None known

### 3. Composition and Information on Ingredients

Substances	CAS Number	PERCENT (w/w)
Polypropylene	9003-07-0	60 - 100%

### 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**

**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. 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

**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
Polypropylene	9003-07-0	Not applicable	10 mg/m <sup>3</sup>

**Engineering Controls**

**Engineering Controls** Use in a well ventilated area.

**Personal Protective Equipment (PPE)**

**Respiratory Protection** Not normally necessary.

**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  
**Odor:** Odorless

**Color:** White  
**Odor Threshold:** No information available

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

No data available

No data available

No data available

No data available

No data available

No data available

No data available

No data available

0.91

Insoluble in water

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

None known.

Hazardous Decomposition Products

Carbon monoxide and carbon dioxide.

Hazardous Reactions

**Hazardous Polymerization:** Will Not Occur

## 11. Toxicological Information

Health Effect from Likely Routes of Exposure

**Acute Toxicity**

<b>Inhalation</b>	None known.
<b>Eye Contact</b>	None known.
<b>Skin Contact</b>	None known.
<b>Ingestion</b>	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	CAS Number	LD50 Oral	LD50 Dermal	LC50 Inhalation
Polypropylene	9003-07-0	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	CAS Number	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Polypropylene	9003-07-0	No information available	No information available	No information available	No information available

### 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 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 Class(es): Not applicable

### NZ 5433.1999

UN Number: Not restricted.

UN Proper Shipping Name: Not restricted

Transport Hazard Class(es): Not applicable

### IATA/ICAO

UN Number: Not restricted.

UN Proper Shipping Name: Not restricted

Transport Hazard Class(es): Not applicable

### 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

<b>New Zealand Inventory of Chemicals</b>	All components listed on inventory or are exempt.
<b>HSNO Approval Number</b>	Non-hazardous
<b>Group Name</b>	Not Applicable
<b>HSNO Controls</b>	Refer to the NZ EPA website for more information: <a href="http://www.epa.govt.nz">http://www.epa.govt.nz</a>
<b>Approved Handlers</b>	Not Applicable
<b>Poisons Schedule:</b>	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/](http://www.ChemADVISOR.com/)  
NZ CCID

**Revision Date:** 08-Jul-2013  
**Revision Note**  
Not applicable

### 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 Safety Data Sheet**