

## SAFETY DATA SHEET

### BarChip MQ58 Synthetic Reinforcing Fibre

#### Important

Read this SDS before handling and disposing of this product and pass this information on to all users of this product.

Modified 3/07/2019 11:10 am

Name of Product: BarChip MQ58

### **1 Identification of the substance/mixture and of the company/undertaking**

#### 1.1 Company

BarChip Inc. Pty Ltd (Australia)  
Ph: +61 1300 131 158  
Fax: +61 1300 131 159  
2/6 Qualtrough St  
Woolloongabba, QLD, 4102

#### 1.2 Product Identification

Product name: BarChip MQ58  
Chemical Family: Polyolefin  
Emergency phone: +61 1300 131 158  
Email: info@barchip.com  
Contact: Geoff Sedgman

### **2 Hazards identification**

Risk Phrases: None

Not harmful to health or environment under normal use of product.  
If material is heated up, may cause burns.

### **3 Composition / information on ingredients**

#### 3.1 Composition

Compositions given are typical values, not specifications.

Component	%Weight	Gas No	EINECS No
Polypropylene:	50.0 - 30.0	9003-07-0	Not applicable
Polyethylene	67.0 - 47.0	9002-88-4	Not applicable
Other non-hazardous component	3.0 - 1.0		

Chemical formula:  $-(CH_2-CH_2)_n-$  or  $-(CH_2-CH_2)_n-$   $\begin{matrix} CH_3 \\ | \end{matrix}$

Chemical formula:  $-(CH_2-CH(CH_3))_n-$  or  $-(CH_2-CH)_n-$

UN Classification: The product is not regarded as a hazardous item.

#### 3.2 Information on Components

Hazardous component(s): None

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#### 4 First aid measures

Eye Contact:	Rinse the eyes with clean water, then seek medical assistance.
Skin Contact:	Rinse well with clean water.
Inhalation:	Not expected to present a significant inhalation hazard. In case of breathing excessive, airborne dust, move people to a place with clean air. Seek medical assistance if required.
Ingestion:	No specific treatment is necessary, however, in case of swallowing large amounts, vomit immediately, and seek medical assistance.

#### 5 Fire fighting measures

Extinguishing methods:	Stop the cause of the fire first, extinguish the fire using chemical foam. Water spray around the surrounding area to cool down. Wear fire protective gear and mask.
Extinguishing agent:	Dry chemical, carbon dioxide gas, alfoam or water spray.

#### 6 Accidental release measures

Sweep up the product, store for disposal in accordance with section 13.

#### 7 Handling and storage

Handling:	Keep away from ignition sources. Avoid direct sunlight and keep indoors with good ventilation.
Storage:	Keep away from heat or ignition sources. Don't store near strong oxidising agent (halogen, peroxide, etc)

#### 8 Exposure controls/personal protection

Acceptable density:	Not specified by ACGIH 1995 version.
Measure for facility:	No specific measure required.
Respiratory protective wear:	Preferable to wear dust proof mask.
Protective glasses:	Preferable to wear protective glasses.
Protective gloves:	Cotton gloves are recommendable.
Protective clothes:	Preferable to wear long sleeve wear.

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#### 9 Physical and chemical properties

Appearance:	Solid Body (short fibre made of virgin polypropylene and virgin polyethylene)
Length:	58 mm
No. Fibres per kg	53,900
Reinforcing length	
linear m per kg	3125 m
Specific gravity:	0.91 - 0.92 g/cm <sup>3</sup>
Boiling point:	None (dissolves)
Steam pressure:	None (solid body)
Melting point:	130 - 140 / 160 - 170 degrees Celsius (copolymer) (ISO 11357-3:2011)
Solution degree:	Water - not soluble
Stability / reaction:	Stable under normal storage
Volatilisation:	None

#### 10 Stability and reactivity

Flammability:	Combustible
Flash ignition point:	310 degrees Celsius (ASTM D 1929:2012)
Self-ignition point:	350 degrees Celsius (ASTM D 1929:2012)
Explosive limit:	None
Ignition character:	Natural ignition character / reaction with water: none
Oxidisation character:	None
Self reactive	None
explosiveness:	
Dusty explosiveness:	None
Stability / reaction:	By heat dissolution, it occurs CO, CO <sub>2</sub> gas. It reacts with strong oxidising agent

#### 11 Toxicology information

Acute oral toxicity:	No specific data on this matter is available, as there is no toxicity in the raw material.
Acute skin toxicity:	No specific data on this matter is available, as there is no toxicity in the raw material.
Acute respiratory toxicity:	No specific data on this matter is available, as there is no toxicity in the raw material.
Carbon Black:	Carbon black is listed in 'IARC group 2B'. Extract is also listed in IARC group 2B. According to the long term environmental epidemiologic investigation through many workers in North America and UK, negative effects to lungs including malignants have not been observed. The category of listing was changed to IARC.
Various causes:	No specific data
Genetic toxicity:	No specific data

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#### 12 **Ecological information**

Not available

#### 13 **Disposal considerations**

Dispose of product in accordance with local and national regulations on waste disposal.

#### 14 **Transport information**

On loading, beware not to break the bags. Pack properly. Avoid water and rough handling.

#### 15 **Regulatory information**

Follow the local and national regulations on disposing, fire laws, Occupational Health and Safety law and PRTR.

##### 15.1 Labelling (Regulation (EC) No. 1272/2008)

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

#### 16 **Other Information**

All information contained herein is based on the present state of our knowledge at the date of issue. It is believed to be accurate. It is intended to describe products from the point of view of safety requirements. It should not therefore be construed as guaranteeing specific properties.

Under no circumstances is the user exempt from respecting legislative or administrative tests related to the product in terms of safety, hygiene, health and used in accordance with good industrial hygiene practices and according to local regulations.

For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage, or expense arising out of or in any way connected with the handling, storage, use of disposal of the product.

This SDS is prepared and is to be used only for this product.

If the product is used as a component in some other product, the SDS information may not be applicable.

#### 17 **Environmental Responsibility**

It is the responsibility of all stakeholders to ensure the responsible use and disposal of all materials on a project. BarChip Inc.'s Environmental Management Plan outlines the processes for each stage of the MSF project lifecycle. Failure Modes and Effect Analysis along with Product Handling Flow Charts are provided.

[Click here](#) to download a copy of the BarChip Environmental Management Plan.