

Eye

# Material Safety Data Sheet

## Jesmonite Glass Reinforcement



### 1. Identification of the Substance/Preparation and Company

**Product Name:** Glass Fibre Reinforcements

**Company Address:**

Tersus Limited. Challenge Court, Bishop's Castle, Shropshire, SY9 5DW

**Tel:** +44 (0) 1588 630302

**Fax:** +44 (0) 1588 630304

### 2. Composition/Information on Ingredients

**Hazardous ingredients:** Hazards shown below refer to named substance. Concentration in preparation is shown on the right.

**Fibre glass** (98 – 100%)

*Exposure limit applies – see section 8)*

**Size** (0 – 2%)

### 3. Hazards Identification

**Appearance and odour** White/off white

Coloured solid with no odour.

**Primary routes of exposure** Inhalation, skin and eye.

**Potential health effects**

**Acute** Fibre glass continuous filament is a mechanical irritant. Inhalation of dust and fibre may cause temporary irritation of the mouth, nose and throat. Skin contact with dust and fibre may produce itching and temporary irritation. Eye contact with dust and fibre may produce temporary mechanical irritation. Ingestion may produce temporary irritation of the digestive tract.

**Chronic** There are no known health effects associated with chronic exposure to this product.

**Medical conditions aggravated by exposure**

Chronic respiratory or skin conditions that are aggravated by mechanical irritants may be at increase risk for worsening from exposure to this product.

### 4. First Aid Measures

**Skin contact** Wash with mild soap and running water. Use a wash cloth to help remove fibres. To avoid further irritation, do not rub or scratch irritated areas. Rubbing or scratching may force fibres into skin. Seek medical attention if irritation persists.

**First Aid Measures (continued)**

**Inhalation** Move person to fresh air. Seek medical attention if irritation persists.

**Ingestion** Ingestion of this material is unlikely. If it does occur, observe individual for several days to insure that intestinal blockage does not occur.

### 5. Fire Fighting Measures

**Extinguishing media** Water spray, foam, dry chemical, Co<sub>2</sub>.

**Special exposure hazards** Primary combustion products are carbon monoxide, carbon dioxide and water. Other undetermined compounds could be released in small quantities.

**Protective equipment** Use of self-contained breathing apparatus in sustained fire.

### 6. Accidental Release Measures

**Extinguishing media** Water spray, foam, dry chemical, Co<sub>2</sub>.

**Special exposure hazards** Primary combustion products are carbon monoxide, carbon dioxide and water. Other undetermined compounds could be released in small quantities.

**Protective equipment** Use of self-contained breathing apparatus in sustained fire.

### 7. Storage and Handling

No special storage or handling procedures are required for this material.

### 8. Exposure Controls/Personal Protection

**Exposure controls**

	OSHA 8 hr TWA	ACGIH TLV 8 hr TWA
<b>Fibre glass</b>	5mg m <sup>-3</sup>	10mg m <sup>-3</sup>
Continuous (respirable dust)		
<b>Filament</b>	15mg m <sup>-3</sup>	
(Total dust)		
<b>Size</b>	None	None

**Respiratory protection** A properly fitted NIOSH/MSHA approved disposable dust respirator such as the 3M model 8710 or model 9900 (in high humidity environments) or equivalent should be used when high dust levels are encountered, the level of the glass fibre in the air exceeds the protection in accordance with your company's respirator protection programme, local regulations and OSHA regulations under CFR 1910.134.

**Personal Protection (continued)**

**Eye protection** Safety glasses, goggles or face shield.

**Skin protection** Loose fitting, long sleeved shirt that covers to the base of the neck, long pants and glove. Skin irritation is known to occur chiefly at pressure points such as around the neck, wrist, waist and fingers.

**9. Physical and Chemical Properties**

<b>Physical form</b>	Solid
<b>Colour</b>	White
<b>Odour</b>	None
<b>pH</b>	N/A
<b>Boiling point/boiling range</b>	N/A
<b>Melting point/melting range</b>	N/A
<b>Flash point</b>	None
<b>Flammability</b>	N/A
<b>Auto flammability</b>	N/A
<b>Explosive properties</b>	None
<b>Oxidising properties</b>	None
<b>Vapour pressure</b>	N/A
<b>Water solubility</b>	Insoluble

**10. Stability and Reactivity****Stability of substance**

Stable under normal conditions.

**Conditions to avoid**

None known.

**Materials to avoid**

No hazardous reactions anticipated.

**Hazardous decomposition products**

Sizings or binder may decompose in a fire.

**Stabilisers**

Non necessary.

**11. Toxicological Information**

**Carcinogenicity** The table below indicates whether or not each agency has listed each ingredient as a carcinogen:

<b>Ingredient</b>	<b>ACGIH</b>	<b>IARC</b>	<b>NIOSH</b>	<b>OSHA</b>
<b>Fibreglass Continuous Filament Size</b>	No	No	No	No
	No	No	No	No
	LD50 Oral G/kg	LD50 Dermal g/kg	LC50 Inhalation ppm, 8 hrs	
<b>Fibreglass Continuous Filament Size</b>	Not available	Not available	Not available	
	Not available	Not available	Not available	

**Fibreglass continuous filament:** The International Agency for Research on Cancer (IARC) in June 1987, categorised fibreglass continuous filament as not classifiable with respect to human carcinogenicity (Group 3). The evidence from human, as well as animal studies, was evaluated by IARC as insufficient to classify fibreglass continuous filament as a possible, probable or confirmed cancer causing material.

**12. Ecological Information**

This material is not expected to cause harm to animals, plants or fish.

**13. Disposal Considerations**

**RCRA hazard class:** Non hazardous

**14. Transport Information**

**U.N. No.:**  
**CHIP classification**  
**IMDG code**  
**ADR/RID**  
**ICAO/IATA** None

**15. Regulatory Information**

**TSCA status** Each ingredient is on the inventory.

<b>SARA title III</b>	<b>Hazard categories</b>
Acute health	Yes
Chronic health	No
Fire hazard	No
Pressure hazard	No
Reactivity hazard	No

**Reportable ingredients**

Sec 302/304 None  
Sec 313 None

**16. Other Information****HMIS and NFPA hazard rating:**

<b>Category</b>	<b>HMIS</b>	<b>NFPA</b>
Acute health	1	1
Flammability	0	0
Reactivity	0	0
<b>NFPA unusual hazards</b>	None	
<b>HMIS personal protection:</b>	To be supplied by user depending on use.	

