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Material Safety Data Sheet

Glass Fibre Reinforcements

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

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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.

Eye contact Flush eyes with running water for at least 15 minutes. 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, CO₂.

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, CO₂.

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
Fibre glass	5mg m ⁻³	10mg m ⁻³
Continuous (respirable dust)		
Filament	15mg m ⁻³	
(Total dust)		
Size	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

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

Ingredient	ACGIH	IARC	NTPP	OSHA
Fibreglass Continuous Filament Size	No	No	No	No
	No	No	No	No
	LD50 Oral G/kg	LD50 Dermal g/kg	LC50 Inhalation ppm, 8 hrs	
Fibreglass Continuous Filament Size	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.

SARA title III	Hazard categories
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:

Category	HMIS	NFPA
Acute health	1	1
Flammability	0	0
Reactivity	0	0

NFPA unusual hazards None

HMIS personal protection: To be supplied by user depending on use.

Disclaimer of Liability

The information in this MSDS was obtained from sources we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. 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 or disposal of the product.

This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS may not be acceptable.

Note 1

This product safety data sheet is issued to cover the following materials:

Quadaxial Stitched Glass Fabric
Biaxial Stitched Glass Fabric
Triaxial Stitched Glass Fabric
Chopped Strand, 6mm, 13mm
Fibreglass Continuous Filament Mat