# SAFETY DATA SHEET
# Glass Fibre Woven Fabric

## 1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY

**Product name** Glass Fibre Woven Fabric

**Company**
Easy Composites Ltd
Unit 39
Park Hall Business Village
Longton, Stoke-on-Trent
ST3 5XA
United Kingdom

**Email** sales@easycomposites.co.uk

**Telephone** +44 (0)1782 454499

**Intended Use** Fibre reinforcement for resin systems

## 2. HAZARDS IDENTIFICATION

**Main hazards** **Main hazards :** No Significant Hazard

**Symptoms relating to use**

Inhalation: Fibreglass continuous filament is a mechanical irritant.

Breathing dusts and fibres may cause short-term irritation of the mouth, nose and throat.

Skin contact: Dust and fibres from this product may cause itching and short term irritation.

Eye contact: Dusts and fibres from this product may cause temporary mechanical irritation to the eyes.

Ingestion : Ingestion may cause short-term mechanical irritation of the stomach and intestines

Environmental hazard: No known ecological damage caused by this product.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

**Hazardous ingredients**

| | **Percent by Wt.** | **CAS No** |
|---|---|---|
| Fibre Glass Continuous (non-respirable) | 80-100 | 65997-17-3 |
| Acrylate Copolymer | 0-20 | 65997-17-3 |

Component Related Regulatory Information

This product may be regulated, have exposure limits or other information identified as the following: Glass filaments, Fibrous glass, and Nuisance particulates.

Information on Non-Hazardous Components
No additional information available.

## 4. FIRST AID MEASURES

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| **Skin contact** | For skin contact, wash immediately with soap and water. Use a washcloth to help remove fibres. To avoid further irritation, do not rub or scratch affected areas. Rubbing or scratching may force fibres into the skin. If irritation persists, get medical attention. Never use compressed air to remove fibres from the skin. |
| **Eye contact** | Immediately flush eyes with plenty of water for at least 15 minutes. If irritation persists get medical attention. |
| **Inhalation** | If inhaled, immediately remove the affected person to fresh air. If symptoms persist, get medical attention. |
| **Ingestion** | Ingestion of this material is unlikely. If it does occur, watch the person for several days to make sure that partial or complete intestinal blockage does not occur. |

## 5. FIRE FIGHTING MEASURES

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| **Extinguishing media** | Use any extinguishing media appropriate for the surrounding fires. |
| **Not to be used** | None |
| **Hazardous combustion products** | Primary combustion products are nitrogen oxide, carbon monoxide, carbon dioxide, ammonia, formaldehyde, and water. Other undetermined compounds could be released in small quantities. This product may emit dense smoke when burned without sufficient oxygen. |
| **Protective equipment** | Use self-contained breathing apparatus (SCBA) and full bunker turnout gear in a sustained fire. |

## 6. ACCIDENTAL RELEASE MEASURES

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| **Containment Procedures:** | This material will settle out of the air. If concentrated on land, it can then be scooped up for disposal as a nonhazardous waste. This material will sink and disperse along the bottom of waterways and ponds. It can not easily be removed after it is waterborne; however, the material is non-hazardous in water. |
| **Clean up methods** | Scoop up material and put into a suitable container for disposal as a non-hazardous waste. |
| **Response Procedures:** | Isolate area. Keep unnecessary personnel away. |

## 7. HANDLING AND STORAGE

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| **Handling** | Avoid inhaling dusts or vapours produced during cutting. Avoid eye and excessive skin contact. Use only with adequate ventilation. As with all chemicals, good industrial hygiene practices should be followed when handling this material. Special care must be taken to avoid build-up of dusts. |
| **Storage** | Store below 250 degF (121 degC). Store in a dry place. |

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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| **General Product Information** | As manufactured, continuous filament glass fibres are not respirable. Continuous filament glass products that are chopped, crushed or severely processed during manufacturing or use may contain a very small: amount of respirable particulate, some of which may be glass shards. |
| **Component Exposure Limits** | ACGIH and OSHA exposure limit lists have been checked for those components with CAS registry numbers.<br>**Fibre Glass Continuous (non-respirable) (65997-17-3)** |

ACGIH: 1 flcc **TWA** (for respirable fibres longer than 5 um with a diameter less than 3 urn): 5 mg/m3 TWA (inhalable particulate); (Listed under "Synthetic vitreous fibres") (related to Continuous filament glass fibres)
OSHA: total dust: 15 mg/m3 TWA; respirable fraction: 5 mg/m3 TWA (related to Particulates not otherwise regulated)

**Ventilation:** General dilution ventilation and/or local exhaust ventilation should be provided as necessary to maintain exposures below occupational exposure limits.

**Respiratory Protection:** A properly fitted NIOSH approved disposable N 95 series dust respirator such as the 3M model 8210 (formerly 8710) or model 8271 (formerly 9900) in high humidity environments or equivalent should be used under the following conditions: 1) any dust environment; 2) when mechanically altering product (mechanical transfer, crushing, grinding, milling or other similar dust generating process. Use respiratory protection in accordance with your company's respiratory protection program, local regulations and OSHA regulations under 29 CFR 1910.134.

**Skin Protection:** Normal work clothing (long sleeved shirts and long pants) is recommended. Use impervious gloves. Skin irritations known to occur chiefly at the pressure points such as around the neck, wrists, waist and between the fingers.

**Eyes/Face Protective Equipment** Wear safety glasses or Goggles.

**Work Practices:** Handle using good industrial hygiene and safety practices. Avoid unnecessary contact with dusts and fibres by using good local exhaust ventilation. Remove material from the skin and eyes after contact. Remove material from clothing using vacuum equipment (never use compressed air and always wash work clothes separately from other clothing. Wipe out the washer or sink to prevent loose glass fibres from getting on other clothing). Keep the work area clean of dusts and fibres made during fabrication by using vacuum equipment to clean up dusts and fibres (avoid dry sweeping or using compressed air as these techniques re-suspend dusts and fibres into the air.) Have access to safety showers and eye wash stations.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

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| **Appearance:** | White to yellow fibreglass woven Fabric |
| **Physical State:** | Glass Cloth |
| **Odour** | Chemical |
| **pH** | Not applicable |
| **Boiling Point** | Not applicable |
| **Flash point** | Not applicable |
| **Specific gravity ASTM D 1475** | Not applicable |
| **Auto-ignition temperature** | Not applicable |
| **Explosive properties** | Not applicable |
| **Solubility In Water** | Insoluble |

## 10. STABILITY AND REACTIVITY

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| **Hazardous reactions** | This Is a stable material |
| **Conditions to avoid** | None Expected |
| **Substances to avoid** | None Expected |
| **Hazardous decomposition products** | Primary combustion products are nitrogen oxide, carbon monoxide, carbon dioxide, ammonia, hydrogen chloride and water. Other undetermined compounds could be released in small quantities. |

## 11. TOXICOLOGICAL INFORMATION

No toxicological data related to the preparation are available.
*The following toxicological assessment is based on knowledge of the toxicity of the product's components*

**Toxicological information**

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| **General Product Information** | Dusts and fibres may cause mechanical irritation to eyes and skin. Ingestion may cause transient irritation of throat, stomach and gastrointestinal tract. Inhalation may cause coughing, nose and throat irritation, and sneezing. Higher exposures may cause difficulty breathing, congestion, and chest tightness. |
| **Inhalation** | Harmful by inhalation. |
| **Ingestion** | Harmful if swallowed. |
| **Skin** | Irritating to skin. |
| **Eyes** | Irritating to eyes. |
| **Carcinogenicity** | Fibre Glass Continuous Filament: The International Agency for Research on Cancer (IARC) in June, 1987, categorized fibre glass continuous filament as not classifiable with respect to human carcinogenicity (Group 3). The evidence from human as well as animal studies was evaluated by IAHC as insufficient to classify fibre glass continuous filament as a possible, probable, or confirmed cancer causing material. The American Conference of Governmental industrial Hygienists (ACGIH) A4classification, not classifiable as a human carcinogen, for respirable continuous filament glass fibres is based on inadequate data in terms of its carcinogenicity in humans and/or animals. For respirable continuous filament glass fibres, a TLV·TWA of 1 fibre/cc was adopted to protect workers against mechanical irritation. The TLV-TWA of 5 rng/m3 was adopted for nonrespirable glass filament fibre, measured as inhalable dust, to prevent mechanical irritation of the upper respiratory tract.<br><br>Component Carcinogenicity<br>ACGIH, IARd:, OSHA, and NTP carcinogen lists have been checked for those components with CAS registry numbers.<br>Fibre Glass Continuous (non-respirable) (65997-17-3)<br>ACGIH: A4· Not Classifiable as a Human Carcinogen (related to Continuous filament glass fibres)<br>IARC: Monograph 43, 1988 (related to Glass filaments) (Group 3 (not classifiable)) |
| **Rat Oral LD50 (mg/kg)** | No LD50/LC50's are available for this product's components. |
| **Rat Inhalation LC50 (mg/l/4h)** | No LD50/LC50's are available for this product's components. |

## 12. ECOLOGICAL INFORMATION

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| **Ecological effects information** | This material is not expected to cause harm to animals, plants or fish. |

## 13. DISPOSAL CONSIDERATIONS

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| **Product** | No components are identified as hazardous wastes. |
| **Disposal** | Consult appropriate authorities before disposing of this material. |

## 14. TRANSPORT INFORMATION

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| **Classification for transport** | Not regulated for transport. |

## 15. REGULATORY INFORMATION

**Risk Phrases** NSR (no significant risk)

## 16. OTHER INFORMATION

**Further information** The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.