



Think Different. Think Composites.

## Material Safety Data Sheet

Issue Date 2/8/11

### RE-STRUCT Profiles

---

#### Section 1 – Product & Company Identification

Emergency Phone Number	+44 (0) 28 944 70010
Product	RE-STRUCT Profiles in isophthalic non-fire retardant resin.
PPE	Refer to MSDS Section 8, Control Measures

---

#### Section 2 – Chemical Ingredients

Chemical Component	Percentage
Glass Reinforced Plastic	N/A
Polymerized Resin	35-55
Fibreglass Strand	50-55

---

#### Section 3 – Physical & Chemical Properties

Property	Measurement
Boiling Point	N/A
Vapour Pressure	N/A
Vapour Density	N/A
Melting Point	N/A
Evaporation Rate	N/A
Solubility in Water	None
Appearance and Odour	Various shapes and colours. Slight plastic odour

---

#### Section 4 – Fire & Explosion Data

Flash Point	N/A
Flammable limits	N/A
Extinguishing Media	Water, Foam CO2 – A, B or C extinguishers
Special Firefighting Procedures	Use Self-Contained Breathing Apparatus (SCBA) with full face operated in pressure mode. Avoid breathing fumes and smoke from fire.
Unusual fire & explosion hazards	Burning GRP creates a complex mixture of solid, liquid, particulate and gases. Carbon Monoxide and other organic compounds may be given off.
LEL	N/A
UEL	N/A

---

#### Section 5 - Reactivity Data

Stability	Stable
Conditions to Avoid	Sources of ignition, sparks or flames, extremely high temperatures
Incompatibility	N/A
Hazardous Decomposition or Byproducts	N/A
Hazardous Polymerization	Will not occur

---

## Section 6 – Health Hazard Data

<b>Routes to Entry</b>	Inhalation X	Skin X	Ingestion X
<b>Health Hazards (Acute &amp; Chronic)</b>	Dust from cutting may act as a mechanical irritant to skin, eyes and upper respiratory system. Vapours or products of thermal degradation generated by cutting or grinding may aggravate or cause respiratory conditions.		
<b>Carcinogenicity</b>	NTP N/A	IARC Monographs N/A	OSHA N/A
<b>Signs &amp; Symptoms of Exposure</b>	Temporary irritation and itching to skin or eyes. Scratchiness or burning of the nose and/or throat if exposed to large amounts of airborne dust from cutting or machining.		
<b>Medical Conditions Generally Aggravated by Exposure</b>	Chronic dermatitis or respiratory conditions		
<b>Emergency and First Aid Procedures</b>	Remove to fresh air. Wash skin well without rubbing. For eyes, use a sterile solution and flood the eye area. Change clothing after exposure. Apply antiseptic to any abraded skin area.		

---

## Section 7 – Spill or Leak Procedures

**Steps to be taken in case material is released or spilled** No material is released in the product's normal solid form. However, when cutting, grinding or machining, if airborne dust is generated, the wearing of respirators is recommended. Control and collect any dust. Place in sturdy containers for proper disposal

### Water Disposal Method

Control and collect any dust generated in sturdy containers to prevent dispersal. Dispose of in accordance with all local and government regulations. Generally the dust is not considered a hazardous waste.

### Other Precautions

Do not allow dust to go uncontrolled.

---

## Section 8 – Control Measures

<b>Respiratory Protection</b>	Approved for dusts and mists not less than 0.1 mg/m <sup>3</sup>
<b>Ventilation</b>	Mechanical dust collector with local exhaust recommended at point of generation of any dust due to cutting or grinding.
<b>Protective Gloves</b>	Wear gloves with handling product to prevent cuts, scratches or abrasions
<b>Eye Protection</b>	Wear protective eye wear with side shields or ventilated goggles when cutting or grinding
<b>Other Protective Equipment</b>	Long sleeve shirts with closed collars, long pants or protective clothing may be worn to prevent dust exposure when cutting or grinding product.
<b>Work Hygienic Practices</b>	Use personal protection equipment to minimize skin, respiratory and eye exposure to dust and fumes when cutting or grinding product. Wash all exposed skin areas thoroughly after cutting or grinding. Launder clothing separately and frequently to prevent skin exposure.

N/A: Not applicable

---

We believe that the above information is valid and reliable. The information, however, is provided without any representation of warranty, express or implied regarding the accuracy of correctness. The conditions of methods of handling, storage, use, cutting, grinding, disposal, or any other use of the product are beyond our control. 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, cutting, grinding, disposal or any other use of this product