

## **SAFETY DATA SHEET**

### **GRP Profiles and Sections**

#### **MATERIAL IDENTIFICATION AND USE**

Chemical Name	Profiles and section made from glass reinforced thermoset resin
Common Name	GRP rod, tube or profile – pultruded profile or pullwound
Use	Industrial and leisure goods.

#### **INGREDIENTS**

Glass fibre, thermoset resin, mineral fillers & pigments.  
Ingredients are chemically cured and bonded together.

#### **HAZARD IDENTIFICATION**

Acute Effect	None by contact. Dust produced by cutting or grinding can cause skin irritation. Avoid breathing dust.
Routes of Entry	Skin contact or inhalation of dust when cutting.
Medical Note	People who have a condition that could be aggravated by dust should avoid cutting or grinding.
First Aid Procedures	Skin - Remove person from dust area, rinse thoroughly with water without rubbing then wash with soap and water. Eyes - Flush at once with a sterile eye wash solution.

#### **CHEMICAL DATA**

Appearance	Rigid profiles and sections. Nil odours. Not soluble in water. Specific Gravity 1.8-1.9.
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#### **FIRE FIGHTING MEASURES**

Product will burn if in contact with a direct fire source. Flash point: none. Flammability limits: none. Extinguishing Media: Water, foam, A, B or C fire extinguisher. Heavy, black smoke. Use air respirator.

#### **WASTE DISPOSAL**

Abide by local laws and procedures. Product is not considered a hazardous waste.

#### **HANDLING**

Wear masks, and goggles when cutting or grinding. Cover all exposed parts of the body. Use barrier creams where applicable. Wear gloves when moving or lifting

## **MATERIAL IDENTIFICATION AND USE**

Chemical Name  
Common Name  
Use

## **DATA SHEET**

### **GRP Profiles and cutting dust**

Profiles and section made from glass reinforced thermoset resin  
GRP rod, tube or profile – pultruded profile  
Industrial and leisure goods.

## **INGREDIENTS**

Glass fibre, thermoset polyester resin, mineral fillers (primarily  $\text{CaCO}_3$ ) & pigments. Ingredients are chemically cured and bonded together, containing no free solvent or monomer

## **HAZARD IDENTIFICATION**

Acute Effect  
Routes of Entry  
Medical Note  
  
First Aid Procedures

None by contact. Dust can cause skin irritation.  
Skin contact, respiration or inhalation of dust.  
People who have a condition that could be aggravated by dust should avoid contact with the dust.  
Skin – If sensitised remove person from dust area, rinse thoroughly with water without rubbing then wash with soap and water.  
Eyes - Flush at once with a sterile eye wash solution.

## **CHEMICAL DATA**

Appearance

Rigid profiles and sections. Fine dust residue from cutting. Nil odours. Not soluble in water. Specific Gravity of the profiles 1.7-1.9  
Dust is not carcinogenic. Fibre diameter is 13-20 $\mu$ . WHO define carcinogenic risk only on fibres below 3 $\mu$

## **FIRE FIGHTING MEASURES**

Product will burn if in contact with a direct fire source. Flash point: none. Flammability limits: none. Extinguishing Media: Water, foam, A, B or C fire extinguisher. Heavy, black smoke. Use air respirator.

## **WASTE DISPOSAL**

Abide by local laws and procedures. Product is not considered a hazardous waste.

## **EXPOSURE CONTROLS/PERSONAL PROTECTION**

Permissible exposure limit for dust in the workplace is 15mg/m<sup>3</sup> total and 5 mg/m<sup>3</sup> in respiratory exposure over an 8 hour workday. The recommended exposure limit is 3 fibers/cm<sup>3</sup> (less than 3.5

micrometers in diameter and greater than 10 micrometers in length) as a time weighted average over an 8 hour workday.

Ensure area is well ventilated and extraction present to remove risk of dust when working the material (eg. Cutting, grinding etc..).

Protective respiratory masks, complying with EN149:2001 and of a type FFP3 to be fitted correctly to protect against dust inhalation in accordance with HSG53.

Gloves to be worn when handling the profiles to prevent cuts, scratches and abrasions.

Protective eyewear with side shield or ventilated goggles to be worn when cutting or grinding.

All exposed parts of the body to be covered. Barrier creams to be used where applicable.

## **MISCELLANEOUS**

This Material Safety Data Sheet has been worked out in accordance with the directives as laid out in the Control of Substances Hazardous to Health Regulations 2002 which impose requirements by reference to Table 1 of EH40/2005 and the Notices of Approval, which are therefore legally binding. Glass reinforced profiles have no hazardous properties and are not classified according to the regulations as laid out in EH40, however a variety of dust is included in the list of carcinogens due to the lack of knowledge as to the size and variety of said dust when it is created.

The above information is given as of our knowledge based on today and the instructions given to products being used for normal purposed and all other applicable legislation being enforced. The responsibility to meet the requirements of national legislation lie with the user. The information given in this material safety data sheet should only be regarded as a description of safe handling of the product and represents no guarantee on the properties of the product.