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Product Safety Data Sheet – GRP

1. Product Description

GRP sewer liners are produced from E glass fibre, polyester resin and silica sand. Sealing material Sikaflex 11FC may be supplied for jointing.

2. Main Hazards

The principal hazards associated with the products are handling, cutting and sealing cut ends. GRP has a hard textured finish which may cause skin abrasions when handled. Excessive handling can cause skin irritation and dermatitis. In the presence of sufficient heat and flame, the product is combustible. These hazards can be reduced if good site practice, including the measures described in this data sheet, are enforced.

When cutting GRP sewer liners, operate in a well ventilated area away from any naked flame or source of combustion.

Dust generated when cutting can constitute a fire or explosion hazard. Such dust, if inhaled in excessive quantities over extended periods, can constitute a long term health hazard.

3. Precautions

Ideally, cutting tools with an extracting system should be used. Protective gloves should be worn when handling products. Eye protectors, respiratory mask and ear defenders to the relevant British Standard must be worn when cutting or drilling the product.

Polyester resin supplied by Stanton Bonna for sealing cut liners is a two part mix. One container holding polyester resin and organic peroxide is marked C, and a container holding polyester resin and accelerator is marked A. Resin should be stored at temperatures below 20°C away from naked flames and sources of combustion as polyester resins are flammable. The containers marked A and C should be mixed in equal parts ready for sealing cut ends. Only small quantities should be mixed at a time. Harmful by inhalation. Sealing of cut ends should only take place in well ventilated areas away from any sources of combustion.

If the resin is used in a confined space then breathing equipment must be worn and the styrene levels monitored. Suitable protective gloves must be worn when handling resin along with eye protection.