

**Langley GRP Edge Trim and Langley GRP Termination Bar**

Product Ref: DsC10-0209)

Issue No: 02

**1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING**

Product name: Langley GRP Edge Trim and Langley GRP Termination Bar.

**2. COMPOSITION OF THE PRODUCT**

Chemical name of the substance cas: Glass fibres and cured.

Einecs: Thermosetting polyester resins.

Hazardous impurities: Technical literature is available describing the properties and characteristics of the different profiles covered by this document. Designers and users should acquaint themselves with the contents of this literature. If there is any doubt, further information and advice should be requested.

**3. HAZARDS IDENTIFICATION**

Most important hazards

Physical and Chemical Hazards: Particular care should be taken to ensure that the eyes are protected against flying particles when cutting or machining these materials. The machining processes may be subject to the Protections of the Eyes Regulations, 1974. Where machining operation cause excessive noise levels, appropriate precautions should be taken.

**4. FIRST AID MEASURES**

Inhalation: None

Skin contact: None

Eye contact: None

Ingestion: None

Protection of first-aiders: None

**5. FIREFIGHTING METHODS**

Suitable extinguishing media, specific hazards, and special protective equipment for firefighters:

Normal firefighting procedure should be followed, including wearing of breathing apparatus.

**6. ACCIDENTAL RELEASE MEASURES**

Personal protection: None

Environmental protection: None

Methods for cleaning up: None

Recovery: None

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Issue No: 02**7. HANDLING AND STORAGE**

Glass reinforced plastic profiles are solid and the polymer is cured, and as such, are stable under normal storage conditions and do not present a hazard. Profiles have a hard smooth surface. On occasion they may be some exposed glass fibre on the surface, especially if the profile has been scratched or damaged.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

A small proportion of personnel may be sensitive to machining dusts and develop skin irritation when in contact with it. Suitable precautions should be taken (eg barrier creams) and a high standard of personal hygiene maintained. Machining or cutting of these products gives rise to dust. Therefore where regular or large scale cutting or machining operations are carried out, dust extraction measures should be taken, including the wearing of face masks. Accidental inhalation of small quantities of dust need not be a cause for concern. Appropriate local exhaust ventilation should be provided on all machines where fabrication produces appreciable dust. Ventilation is required to reduce airborne dust and to extract it away from the operator. Gloves should be worn when handling the profiles and appropriate precautions should be taken to avoid accidental slippage of stacked materials in storage or transport. Normal precautions should be taken to avoid injuries caused by sharp edges.

**9. PHYSICAL AND CHEMICAL CHARACTERISTICS**

Physical State (20°C):	None
Colour:	None
Decomposition Temperature:	None
Flash point:	None
Auto ignition temperature:	None
Density:	None
Solubility:	None
Water:	None
Solvent:	None
Other data:	None

**10. STABILITY AND REACTIVITY**

Conditions to avoid, Hazardous decomposition and products:

These materials are difficult to ignite and therefore not hazardous as a potential source of ignition. In a conflagration, however, they will add to the fire and will evolve hazardous fumes and smoke. The extent of their contribution to combustions depends on the particular circumstances applying at the time, eg ventilation, proximity of other readily combustible materials. The profiles are made from thermosetting polymer. These polymers do not melt or drip when hot or exposed to fire. No additional halogen compounds have been added to the polymer in these profiles to improve the fire resistance properties. Therefore the smoke can be considered halogen free but it should always be treated as hazardous. Profiles consists of glass fibres in a matrix of cured thermosetting polyester resin. The presence of very limited quantities of free styrene may be detected by smell if the profiles are stored in a confined area. It is most unlikely that sufficient styrene would be given off to reach the short term exposure limit. This exposure limit is different in different countries (250 ppm in UK).

**11. TOXICOLOGICAL INFORMATION**

Acute Toxicity:	None
Inhalation:	None
Ingestion:	None
Skin-contact:	None

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Eye-contact:	None
Sensitization:	None
Skin-contact:	None
Chronic toxicity:	None

**12. ECOLOGICAL INFORMATION**

Persistence/Degradability:	None
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**13. DISPOSAL CONSIDERATIONS**

Disposal of product:	Many of the comments and recommendation given above under “Handling and Storage” and “Machining and Processing apply equally to waste disposal procedures. In general, waste may be safely disposed of by controlled incineration or burial but the requirements of local or National regulations should be observed.
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**14. TRANSPORT INFORMATION**

ADR/RID, IMDG, IATA and Specific transport measures:	If any processing of the laminate involves the use of potentially hazardous chemicals or solvents, advise should be obtained from the suppliers of the chemicals regarding their safe use and handling.
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**15. REGULATORY INFORMATION**

ECC directive:	None
Safety data sheets:	None
EC classification/labelling:	None
Hazardous substances:	None
Inventories:	None

**16. OTHER INFORMATION**

Recommended uses:	None
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This data sheet cancels and supersedes all previous editions. The information contained in this data sheet is based on current knowledge and experience. The purpose of this data sheet is to describe the specific product in terms of safety requirements. It does not constitute a warranty with regard to the product's properties and/or performance in use.

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