

Technical / Safety Data Sheet

1. Identification of the Substance and the Company

Product details: the product (Cured Polyester Resin reinforced with Fiberglass chopped strand mat . and steel mesh / plywood or Styrofoam reinforcement as required) is not classifiable amongst dangerous products and according to the enforced norm it does not need the issuing of a Safety Data Sheet. It has however been thought useful supplying the information below, in order to help the correct use of the material, therefore adopting the system in sixteen points, of the directive 91/155/CEE, not including the sections that evidently are not applicable.

Trade names: gel coated, glass fibre reinforced, polyester laminates.

Use of the substance: panel construction.

Manufacturer:

Smyth Composites Ltd
Panmure Industrial Estate,
Carnoustie,
Angus
DD7 7NP

Further information obtainable from:

Technical Department
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2. Composition / Information on Ingredients

Chemical characterization
Description: mixture of substances listed below.
Isophthalic Gelcoat
Reinforced Glass Fibre
Orthophthalic resin / Isophthalic resin
Dangerous components:
Styrene % in weight 0 -1 %
Number CAS 100 . 42 . 5
Number CEE 601 . 026 . 0

3. Hazards Identifications

Hazard Description: the product, in its final state, is not classifiable as dangerous element according to the directive 67/548/CEE and following adjustments.
Information concerning particular hazards for human environment: not required.
Classification system: the classification is made according to the latest edition of the EU-list, and extended by the company and literature data.

4. First – Aid Measures

- General information: no special measures required.
- Inhalation: not required.
- Skin Contact: normally the product is not skin irritating, but in case of contact, wash with water with soap, rinse thoroughly.
- Eye contact: not required.
- Swallowing: not required.

5. Flammability & Fire Fighting Measures

Flash Point: N/A

Suitable extinguishing agents: Extinguisher powder, carbon dioxide or foam, fine spray water.

For safety reason unsuitable: none in particular.

Hazard exposure: in case of fire . possible toxic fumes emission.

Protective equipment: mouth respiratory protective device and protective clothes.

6. Accidental Release Measures

Person-related safety precautions: not required

Measures for environmental protection: no special measures required.

Measures for cleaning / collecting: not required.

Additional information: no dangerous materials are released.

See section 7 for info on safe handling

See section 8 for info on personal protection equipment.

See section 13 for info on disposal

7. Handling and Storage

7.1 Handling

Information for safe handling: No special measures required. For the cutting or sanding of GRP laminates in big series production, it is recommended to install an adequate aspiration system and to make use of suitable cutting equipment with connected protections; this should reduce any nuisance dust hazard when cutting and grinding (irritation to mouth, nose, throat and skin). In order to avoid possible health hazards it is highly suggested not to bend the GRP laminates beyond its curvature limit. There is the possibility of static discharge when handling multiple sheets and the possibility of minor cuts from exposed edges . therefore it is recommended gloves are worn. Flat sheets should be carried vertically to avoid sag. If in doubt ensure adequate PPE is worn.

Information about protection against explosions and fires: no special measures required.

7.2 Storage

Panels should be stored flat and never on their edge or side to prevent potential warping. Remove all film before installation or one week after delivery.

8. Exposure Controls and Personal Protection

Additional information about design of technical systems: no further data; see item 7.
Components with critical values that require monitoring at the workplace: powder derives from cutting or sanding operations.

Personal Protective Equipment.

General protective and hygienic measures: the usual precautionary measures should be adhered to in handling the inert substances. The laminates are not irritant, but powders derived from cutting and sanding operations can absorb moisture and natural oil of the skin in case of the prolonged exposure. Therefore prolonged exposure should be avoided by wearing suitable protective gloves and clothing.

9. Physical and Chemical Properties

Form:	solid
Colour:	according to product specification
Odour:	odourless
Melting point/Melting range:	not fixed
Boiling point/Boiling range:	not applicable
Flammability:	product is not flammable
Ignition temperature:	480 degrees C
Danger of explosion:	product is not explosive
Specific weight:	1.4g/cm ³
Solubility in/Miscibility with water:	insoluble

10. Stability and Reactivity

Thermal decomposition / Conditions to be avoided: no decomposition if used according to specification
Dangerous reactions: no dangerous reactions known.
Dangerous product in decomposition: Nitro Oxide(NO_x), Carbon Monoxide.

11. Toxicological Information

Acute toxicity: not available
Primary irritant effect:
On the skin . skin exposure (to dust) may produce irritation.
On the eye . eye exposure (to dust) may produce irritation.
Sensation: No sensitising effect known.
Additional toxicological information: when used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

12. Ecological Information

Eco-toxic effects: the inert product is not biodegradable

13. Disposal Considerations

Product: the waste of laminates can be disposed as inert solid waste.
Recommendation: disposal must be made according to local official regulations.
Primary method of disposal is in municipal or industrial landfill.

14. Transport Information

Transport / Additional information: not dangerous according to transport specifications.

15. Regulatory Information

Designation according to EC guidelines: the product is not subject to classification according to ED directives / relevant national laws. Observe the normal safety regulations when handling the product.

16. Special Precautions

Advice should be sought from Smyth Composites Ltd prior to its products being used in food preparation areas or if they are used in the manufacture of toys.

17. Liability

Information contained in the publication is accurate to the best of our knowledge. Smyth Composites Ltd and / or its subsidiary companies do not accept and liability arising out of the use of this information or the use, application, adaptation or processing of the products so desired.

18. Graffiti

Graffiti can be removed using standard solvents without the fear of smudging or permanently marking the panel. Dirt and grime build up can be removed using hot soapy water then dried with a clean cloth to remove any soap streaks.