

Company and Product Identification

2014

Product identification: Omnia fused panel

Distributor: Omnia (CS) Ltd
Lace Market House
54-56 High Pavement
Nottingham
NG1 1HW

Composition, Information on Constituent parts

Description - **Thermoplastic content** (depending on panel thickness)

plastic content:	63-82%
- of which polypropylene	> 80%

Mineral content (depending on panel thickness)

glass-fiber: (E-glass)	18-37%
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Hazard Identification

Hazards Identified are:

Product temperatures over 232°C can lead to the release of hazardous substances.

The melted product sticks to the skin and causes burns.

When working the product static electricity can be build up, which can lead to discharging. Be sure to ground the product during cleaning with highly flammable cleaning agents.

The glass filaments are not "respirable" as their nominal diameters are over 9 µm, far over the diameter of 3µm defined by the World Health Organisation for "respirable" fibres, and that they have been shown not to cause lung cancer.

Other hazards identified are:

- mechanical irritation (itching)
- the formation of respirable dusts and non-respirable filaments
- extremely rare possibilities of allergy.

Fire and explosion:

Under normal environmental conditions no combustible gases are generated

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First Aid

General information:

Under normal environmental conditions no combustible gases are released.
Product temperatures over 232°C can lead to the release of hazardous substances.

INHALATION:

Remove from the scene of exposure to fresh air.
In case of severe inhalation of smoke, remove the victim from the hazardous area, using suitable respirators.
Consult a doctor if necessary

SKIN CONTACT:

Wash copiously with lukewarm soapy water without rubbing excessively.
In case of contact with melted product, cool with cold water as soon as possible. Do not try to remove the solidified product from the skin. Contact a doctor immediately.

EYE CONTACT:

Flush in running water (for at least 10 minutes) and consult a doctor if necessary.

ALLERGIC REACTIONS:

Remove from the scene of exposure.

Fire Fighting

Recommend extinguishing media:

Water or Chemical powder

Explicit hazard:

Combustion gases are basically carbon dioxide and water vapour. There may be small quantities of carbon monoxide, oxides of sulphur, aldehydes, reactive hydrocarbons and phosphorous compounds in small quantities, which make it necessary to use protective equipment in the event of a major fire.

Special measures:

Protective fire fighting equipment if necessary.

Accidental Spillage

Personal protection:

See chapter 8.

Environmental protection:

The product can therefore be considered as inert industrial waste, or even common industrial wastes, as defined by national and local regulations. All waste and scrap material should be disposed of in accordance with applicable, national, federal, state and local regulations.

Cleaning:

Vacuum clean, sweep or shovel into containers waste (if available selective collection for recycling).

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Handling and Storage

Handling:

- wear gloves, and garments with sleeves
- be aware of sharp edges
- avoid prolonged contact with the skin
- clean work garment preferably with vacuum cleaner over compressed air.

Storage:

Preferred storage conditions: 15-35°C, 35-55% relative humidity

- use of open fire prohibited
- protect from direct sunlight
- use electrically secure machinery with ground
- dry storage
- protect from incompatible materials, see chapter 10

Exposure Control - Personal Protection

General protection and hygiene:

Do not eat or drink when working the product. Use appropriate means to reduce saw dust and/or fumes. Try to reduce the concentration of fibres likely to cause irritation.

Based on the irritation character of the fibres it is recommended to use:

- gloves and garments with sleeves and long leggings
- respirator and protective goggles in case of increased concentration of dust

Furthermore respect the parameters/limit values for inert dusts.

Personal protection:

- Respirators: in exceptional cases, like increase concentrations of dust
- Skin protection: use gloves, garments with sleeves and long leggings, protective cream for persons with sensitive skin

Physical and Chemical Properties

Physical state:	Solid
Form/Farbe:	Panel, natural colour (pure polymer colour), with embedded endless glass fibres
Odour:	None
Melting point:	160°C
Flame point:	> 320°C
Decomposition temperature:	> 300°C
Flash temperature:	> 350°C
Area weight: approx.	2,5-7 kg/m ²
Solubility in Water:	Very low

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The mechanical properties in this datasheet represent our current state of technical knowledge. As variations are possible in production, we cannot guarantee particular properties or suitability for any specific application and the data should not be used to establish specification limits nor used alone as basis of design. This information may be changed as new knowledge and experience becomes available. All products are sourced from Holycore Co. and have no liability in connection with this information

Stability and Reactivity

Stability: The product is under normal conditions chemically stable.

Hazardous reactions: No hazardous reactions are known

Decomposition products: In conditions of a sustained fire, as well as water vapour and CO₂, it is possible to generate small quantities of carbon monoxide, oxides of sulphur, aldehydes, reactive hydrocarbons and low concentrations of phosphorous compounds.

Avoidable conditions: Contact with fluor, concentrated acid and alkaline media.

Toxicity Information

Acute Toxicity: Not relevant

Localised effects: Possible temporary irritations (see chapter 3)

Sensitisation: In rare cases allergic reaction

Remarks to toxicity: According our experience and best knowledge, the product does not cause any hazard to health, when worked in an appropriate fashion

Ecotoxicological Information

Ecotoxicological properties: The product is not toxic.
The polymers, by virtue of their molecular weight and their nature, are without ecotoxicological effects.

General information: The product floats on water.
The product is not biodegradable

Waste Disposal

Recommendation: The product should be shredded and recycled by an approved recycling company.

Disposal: Product waste can be disposed of as inert waste or as common industrial waste, depending on local regulations.

Packaging: Clean cardboard, wood, plastic (film or bags) and packaging can be eliminated in units specific to these products (i.e. for recycling or use as fuels).

Regulatory Information

International regulations: The product is not considered as hazardous goods by transport regulations.

National regulations: Other regulations, limitations and prohibitions:

The information given by this document is based on the best knowledge at the date shown. It is given in good faith. Furthermore, users attention is drawn to the possible risks run when the product is used for any purpose other than the one for which it was designed.

This Technical Safety Sheet does not exempt users from knowing and applying the rules regulating their activities. Users assume full responsibility for applying the appropriate safety measures when the product is used.