Technical safety datasheet

Applicable for all standard Compoform products

based upon literature, testing and experience

version feb-2019

Company and product information

Manufacturer: Compoform BV
Middelweg 29
6191 NC Beek
The Netherlands

Product Identification: Comfodeck®
Compoform panel

Composition

Description:

- Thermoplastic composite (exact content depending on panel thickness)

Contents:

- Plastic content (depending on panel thickness) 60-85% of which polypropylene >95%
- Mineral content (depending on panel thickness) 15-40% of which glassfiber (E-glass) 100%

Physical and Chemical Properties

Physical state:	solid
Form/colour:	panel, honeycomb core has a natural colour, skin can have different colours with embedded endless glass fibers
Odour:	none
Melting point:	160°C
Flame point:	>320°C
Decomposition temperature	>300°C
Flash temperature	>350°C
Area weight:	2,5-7 KG/m²
Solubility in water	nihil

Hazard Identification

Hazards identified:

- Product temperatures over 232° 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.
- Mechanical irritation (itching)
- When cutting the panels the formation of respirable dusts and non-respirable filaments may occur.
- Extremely rare possibilities of allergy

Fire and explosion:

- Under normal environmental conditions no combustible gases are generated.
- Fire behaviour is classified as B1, normal flammable.

First Aid

Inhalation

- Under normal environmental conditions no combustible gases are released
- Product temperatures over 232°C can lead to the release of hazardous substances.
- Remove from the scene of exposure to fresh air.
- In the case of inhalation of smoke use suitable respirator.

Skin Contact

- Wash copiously with lukewarm soapy water without rubbing excessively
- In the case of contact with melted product cool extensively with cold water as soon as possible
- If solidified product is stuck to the skin, do not try to remove but see a doctor immediately
- When larger fibers are stuck in the skin, they may carefully be removed with tweezers.

Eye Contact

- Flush in running water for at least 10 minutes.
- Consult a doctor if necessary.

Allergic Reactions

- Remove from the scene of exposure

Fire fighting

Recommended extinguishing media

- Water or chemical powder

Explicit hazard

- Combustion gases are mainly carbon dioxide and water vapour.
- Small quantities of carbon monoxide, oxides of sulphur, alde hydes, reactive hydrocarbons and phosphorous compounds in small quantities may occur in a larger fire.

Special measures

- Protective firefighting equipment is necessary to use in the event of a major fire

Handling and Storage

Handling

- Wear gloves and garments with long sleeves
- Be aware of sharp edges
- Avoid prolonged contact with skin
- Clean work garment with vacuum cleaner before washing

Storage

- Preferred storage conditions 15-35°C and 35-55% relative humidity
- Use of open fire prohibited
- Protect from direct sunlight
- Dry storage

Exposure Control and Personal Protection

General protection and hygiene

- Do not eat and drink when working the panels
- Use electrically secure machinery with ground
- Use dust suction equipment cutting the panels
- Respect the local limit values for inert dusts

Personal protection

- Wear gloves and garments with long sleeves
- Wear safety glasses when cutting
- Persons with a sensitive skin use protective cream
- Use respirators in exceptional cases of increased concentration of dust

Stability and Reactivity

Stability

- The product is under normal conditions chemically stable

Hazardous reactions

- No hazardous reactions are known

Decomposition products

- As well as water vapour and CO2, Small quantities of carbon monoxide, oxiders of sulphur, alde hydes, reactive hydrocarbons and phosphorous compounds in small quantities may occur in a larger fire.

Avoidable conditions

- Contact with fluor, highly concentrated acid and alkaline media

Toxicity information

Acute toxicity

- Not relevant

Localised effects

- Possible temporary irritations by elaborate contact with skin

Sensation

- In rare cases allergic reaction

Remarks to toxicity

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

Ecotoxicological information

Ecotoxicological properties

- Panels are not toxic
- Polymers forming the panels, by virtue of their molecular weight and their nature, are without ecotoxicological effects.

General Information

- panels float on water
- panels are not biodegradable

Waste disposal

Recommendation

- The panels should be presented after 'end of life' to Compoform to enter the Compoform recycling program

Disposal

- Panels, remains of the panels or waste after processing panels can be disposed of as inert waste or as common industrial waste, depending on local regulations.
- No extra packaging of waste parts is necessary. Packing waste parts in carboard, wood, plastic, i.e. can obstruct the recycling process.