

## **GENERAL MATERIAL SAFETY INDICATIONS OF CLOSED CELL EXPANDED POLYETHYLENE - FOAM (USED IN ProTect FOAM LAMINATED BOARD)**

### **1. Distributor Details**

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### **2. Possible Hazards**

Electrostatic discharging / Ignition spark  
At foul weather, bad storage condition and fast separation (e.g. crawling, de-stacking) electrostatic charging and spontaneous discharging may be possible (ignition spark). Electric discharging during the manufacturing process shall be avoided by grounding or ionising installations in particular when combustible solvent vapour is present in the ambient air (risk of explosion).

### **3. Composition / Information on chemical Ingredients**

#### **Chemical Characterisation**

Main ingredient: Polyethylene or polypropylene

#### **Unhealthy Ingredients**

To our current knowledge (date of update) or polyolefin foam products do not contain substances in a concentration above 0.1 w% (w/w) which meet the criteria of REACH Art. 57 (CMR, PBT/vPvB) or which are registered in the current candidates list of substances of very high concern (SVHC) of the European Chemicals Agency (ECHA).

#### **Additional data**

Additional information, data and confirmations you may obtain from your contact for technical information (addresses of our local agencies in No 1)

### **4. Personal Protection**

#### **General Information**

The polyolefin foams should not lead to damage caused to health when handled as recommended. At disturbance of health of any kind please contact a physician.

#### **Personal Protection**

Choose work centre specific protection (work gloves, dust masks, protective goggles, a.s.o.) in order to minimize the risk of bodily harm and of disturbance of health (e.g. by dust exposure).

Work hygiene

Respect common work hygiene measures.

### **5. Security-relevant Physical and Chemical Properties**

#### **Security-relevant Properties**

Softening range: 70 - 130 °C

Ignition temperature: > 300 °C

### **6. Fire-Fighting Measures**

#### **Suitable Extinguishing Media**

All known extinguishing media can be used.

#### **Unsuitable Extinguishing Media**

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#### **Special Exposure Hazards Arising from the Article Itself, its Combustion Products, or Resulting Gases**

During combustion particular danger arises of burning drops. Harmful gases may be generated like carbon monoxide, carbon dioxide, nitrogen monoxide, nitrogen dioxide.

#### **Special Protective Equipment of Fire-Fighters**

Do not approach the hazard area without positive pressure self-contained breathing apparatus.

Avoid skin contact with molten plastic by wearing protective clothing and by keeping a safety distance.

## 7. Handling and Storage

### Handling

Wear appropriate work clothes and use applicable tools especially for internal transportation in order to minimize the risk of bodily harm.

At foul weather, bad storage condition and fast separation (e.g. crawling, de-stacking) electrostatic charging and spontaneous discharging may be possible. Electric discharging during the manufacturing process shall be avoided by grounding or ionising installations in particular when combustible solvent vapour is present in the ambient air (risk of explosion).

### Fire Prevention

Apply common measures of fire prevention. Keep away from heat/sparks/open flames/hot surfaces. No smoking.

### Storage Conditions

Store at a roofed place. Avoid direct solar irradiation. Long-term exposure to UV radiation may change physical properties of the polyolefin foam.

### Chemical Substances to Avoid

The polyolefin foams may react slowly with organic solvents and strong oxidising agents which might lead to changes of physical properties.

### Hazard Decomposition Products

No hazard decomposition products are known.

## 8. Disposal Considerations

### Recommendation

The polyolefin foams can feed thermal recycling.

## Material Safety Indications

### 8. Disposal Considerations (continuation)

Possible Waste Codes According to European Waste Catalogue

07 02 13 Wastes from organic chemical processes: waste plastic

12 01 05 Wastes from shaping and physical and mechanical surface treatment of plastics: plastics shavings and turnings

15 01 02 Waste packaging: plastic packaging

16 01 19 Wastes not otherwise specified in the list: plastic

17 02 03 Construction and demolition wastes: plastic

17 02 04 Construction and demolition wastes: plastic containing or contaminated with dangerous substances

20 01 39 Municipal wastes: plastics

### Packaging

Packages can feed material recycling.

## 9. Transport Information

No dangerous goods.

## 10. Regulatory Information

GHS, CLP Regulation (EC) No 1272/2008

The articles need no particular label.

## 11. Disclaimer

The present information was prepared according to our best knowledge. They make no claim to be complete and should only be recognised by the user only as a guideline.

Excludes any liability for damages which may result of not recommended handling / storage / transport / contact with our products. All given information is based on our current knowledge. They do not warrant product properties and do not constitute a legal relationship.