



# Thermobar

Warm Edge Spacer Tube

### Safety Data Sheet according to 1907/2006/EC, Article 31

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#### 1. Identification of the substance and company:

**Product trade names:** 'Thermobar', 'Thermobar Lite', and 'Thermobar Interbar'

**Product description:**

- 1) Thermobar (GF PP) Plastic Polymer warm edge spacer tube, including:
  - a) Polyester Film (does not apply to Thermobar Lite or Thermobar Interbar)
  - b) Adhesive (does not apply to Thermobar Lite or Thermobar Interbar)
- 2) Thermobar Interbar (GF PP) Plastic Polymer muntin bar

**Recommended use:** Thermobar, Thermobar Lite, and Thermobar Interbar are for use in the manufacture of insulated glass sealed units.

**Manufacturer/Supplier:** Thermoseal Group Limited  
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#### 2. Hazards identification:

The preparation is not classified as dangerous according to Directive 199/45/EC. However, when burned it may produce toxic fumes.

**Hazard classification:** not applicable

**GHS labelling:** Not required

#### 3. Composition/information on ingredients:

**Chemical Composition:** Preparation based on polypropylene (PP), containing possibly glass fibre, reinforcing materials, fillers, pigments, dyes, additives. Polyester film applied with adhesive.

This product contains no dangerous components.



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#### 4. First aid measures:

##### Inhalation:

After accidental inhalation of fumes or thermal decomposition products, using self-protection, remove the person from the danger zone and apply artificial respiration if necessary. Seek medical help and keep quiet and warm.

##### Skin Contact:

After contact with molten polymer, immediately cool with cold water for a prolonged time. Remove affected clothing. Do not peel polymer from skin. Cover burns with sterile dressings. Obtain medical attention. For skin irritation caused by glass fibre thoroughly wash the affected area with water, do not rub.

##### Eye Contact:

Hold the eyes open and rinse with preferably lukewarm water for a sufficiently long period of time (at least 15 minutes). Seek medical attention.

#### 5. Fire fighting measures:

**Suitable Extinguishing Media:** Water, foam, dry powder, carbon monoxide.

**Unsuitable Extinguishing Media:** None Known.

**Special hazards arising from the substance or mixture:** This product ignites in a flame and continues to burn on removal of the source. With thermal decomposition toxic and combustible gases and steam are released.

**Special Protective Equipment for Firefighting:** Wear self contained breathing apparatus.

##### Additional Advice

There is a danger of the fire spreading through spontaneous ignition of the gaseous decomposition products. Molten product must therefore be cooled with water. Water used to extinguish the fire and fire remainders must be collected. Fire hydrants must be controlled and water disposed of, in accordance with local regulations.

#### 6. Accidental release measures:

**Personal precautions:** See section 8.

**Environmental Precautions:** Before entry of swarf waste to sewage it should be mechanically cleaned of product remainders.

**Methods for cleaning up:** None known.

#### 7. Handling and storage:

##### Precautions for safe handling:

*General Advice* Avoid overheating of material by improper handling. Avoid dust generation.

##### Technical Measures

Use with adequate ventilation. Local exhaust ventilation should be provided. Avoid creating dusty conditions. Take measures against static discharge. Keep away from sources of ignition.

##### Conditions for safe storage:

*General Advice* The appropriate company regulations for fire prevention are to be followed.

*Special Requirements* Store in dry environment below 50°C

#### 8. Exposure controls / personal protection:

##### Exposure controls:

##### Guidelines for materials within the workplace

Components with workplace control parametres:

*General Dust Limit Value* Inhalable dust: 10 mg/m<sup>3</sup>  
Respirable dust: 3 mg/m<sup>3</sup>



**Personal protection:**  
*Respiratory Protection*  
*Eye Protection*  
*Skin Protection*

If product dust is present, wear an anti-dust mask with at least a P2 filter.  
Wear safety glasses with side pieces (EN 166).  
When handling hot material, wear heat-resistant protective gloves that are able to withstand the temperature of molten product.  
Skin protection should be used (barrier cream).

*Hygiene Measures*

General industrial hygiene regulations are to be observed.  
Wash hands before breaks and at the end of workday.  
Do not eat, drink or smoke in the workplace.

**9. Physical and chemical properties:**

<i>Form</i>	Solid	
<i>Colour</i>	Various, dependent on colourant.	
<i>Odour</i>	Odourless.	
<i>Density (20°C)</i>	~ 1.20 g/cm <sup>3</sup>	DIN EN ISO 1183-1
<i>Melting Point/Range</i>	160-230°C	DIN 53765
<i>Decomposition Temperature</i>	>300°C	
<i>Ignition Temperature</i>	ca. 330°C	ASTM-D 1929
<i>Explosion Limits</i>	Not applicable	
<i>Solubility (20°C)</i>	Insoluble in water. In organic solution applications insoluble.	

**10. Stability and reactivity:**

<i>Conditions to avoid</i>	Temperatures > 300°C (Start of the thermal decomposition).
<i>Substances to avoid</i>	Strong oxidizing media, halogens.
<i>Hazards Decomposition Products</i>	With carbonization and incomplete combustion toxic gasses develop, predominantly carbon dioxide and carbon monoxide. In addition, aliphatic hydrocarbons, aldehyde, ketone and fugitive fatty can be generated.
<i>Additional Information</i>	None.

**11. Toxicological information:**

With proper use and in accordance with regulations there are no known dangers to health. Contact with molten product can cause burns. With mechanical operations free glass fibre or dust can cause skin, respiratory and eye irritation. By following the rules there is little or no likelihood of inhaling fibre.

**12. Ecological information:**

Because of insolubility in water separation by filtration or sedimentation is possible.

**13. Disposal considerations:**

Uncontaminated product can be recycled. If no use is possible, product waste can, in accordance with official local regulations, be mixed with household waste or incinerated in an appropriate place. Waste product code No. for uncontaminated product (European waste catalogue): 20 01 39

**14. Transport information:**

Not classified as dangerous in the meaning of transport regulations.

**15. Regulatory information:**

Safety parameters:	S3: store in a cool dry place S22: do not inhale dust
EC classification:	The substance is not classified as hazardous.

**16. Other information:**

Please note that the information within these Material Safety Data Sheets is valid for pure product. It is the user's responsibility to ensure that existing regulations are followed.

These details are based on our current knowledge. Therefore, it is not intended to assure legally binding or to guarantee the nature of the products, the trade capability of the products and the suitability for a certain use. We reserve the right to make technical alterations.

