





**TRADE NAME : PERINSUL SL<sup>®</sup>, FOAMGLAS<sup>®</sup> - BOARDS (FOAMGLAS<sup>®</sup> - FLOOR BOARD, FOAMGLAS<sup>®</sup> - FLOOR BOARD F, FOAMGLAS<sup>®</sup> - WALL BOARD, FOAMGLAS<sup>®</sup> - READY BOARD)**

**5 Fire-fighting measures**

Following the European fire classification (Official Journal of the European Communities N° L267/23 dated October 19, 1996), the FOAMGLAS<sup>®</sup> insulation is classified in Euroclass A "No contribution to fire".

According to DIN 4102, Part 1, FOAMGLAS<sup>®</sup> is incombustible ; it belongs to class A1, contains completely closed cells and does not induce fire propagation due to the absorption of inflammable products.

According to DIN 4102, Part 1 : due to the facing PERINSUL<sup>®</sup> and FOAMGLAS<sup>®</sup>-BOARDS are classified B2.

**6 Accidental release measures**

Absorb mechanically (avoid generation of dust) and dispose of according to chapter 13.

**7 Handling and storage**

7.1 Handling  
No special measure required

7.2 Storage  
Store in a dry place.

**8 Exposure controls and personal protection**

Additional information for the arrangement of technical installations.

For the disposal of dust or of small quantities of hydrogen sulphide and carbon dioxide released when cutting FOAMGLAS<sup>®</sup> in a closed room, a normal extraction system with a dust filter is recommended.

Only small quantities of glass dust, hydrogen sulphide and carbon dioxide are released when cutting FOAMGLAS<sup>®</sup>.

The odour threshold for hydrogen sulfide (rotten eggs) is about 0.001 ppm

Additional information on ingredients with limit values to be observed depending on the working place :

Ingredient	CAS Number	EEC NR	Value	Unit
Glass (fine dust)	65997-17-3	266-046-0	6	mg/m <sup>3</sup>
Hydrogen sulphide	7783-06-4	7783-06-4	15	mg/m <sup>3</sup>
Carbon dioxide	124-38-9	204-696-9	9000	mg/m <sup>3</sup>



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Personal protection equipment : -  
Respiratory protection : Not necessary (ventilation must be foreseen for cutting work in a closed room)  
Hand protection : working gloves  
Eye protection : protective glasses  
Skin protection : working clothes with long sleeves  
Hygiene practices : wash hands before breaks and after work.

**9 Physical and chemical properties**

**9.1 Appearance**

Shape : Boards and prefabricated elements  
Colour : Grey-black  
Odour : No odour.

Releases a light odour of hydrogen sulphide when cut.

**9.2 Safety data**

pH value : Not applicable  
Change of state : Softening from about 600 °C  
(According to DIN 52271)  
Flash point : Not applicable  
Ignition temperature : Not applicable  
Explosion hazards : Not applicable  
Vapour pressure : Not applicable  
Density : Apparent density 100 - 180 kg/m<sup>3</sup> (DIN 18174)  
Viscosity : Not applicable  
Solubility : Insoluble  
Liposolubility : Insoluble  
Viscosity : Not applicable  
Solvent content : None.

**10 Stability and reactivity**

Pyrolysis of FOAMGLAS<sup>®</sup> : without facing will - not occur.  
: with facing - only possible combustion of the facing.  
Hazardous decomposition products of FOAMGLAS<sup>®</sup> : without facing - any.  
: with facing - CO, CO<sub>2</sub>,..  
Hazardous reactions : none.



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**11 Toxicological information**

For hydrogen sulphide, LC50 = 673 ppm (mouse/inhalation/1 h).  
To reach a TLV value of 15 mg/m<sup>3</sup> (10 ppm) in an unventilated closed room of 5 x 5 x 3 = 75 m<sup>3</sup>, 4000 standard boards (type T4) should be cut in half, lengthwise.

According to studies carried out by the FORSCHUNGSINSTITUT DER BERGBAUBERUFSGENOSSENSCHAFT, the exposure to FOAMGLAS<sup>®</sup> fine dust does not cause any pulmonary disease due to the inhalation of quartz dust (silicosis).

**12 Ecological information**

FOAMGLAS<sup>®</sup> is an inorganic material, biologically neutral and inert. It is not harmful to the environment and it is compatible with it.  
It is factory made from natural raw materials.  
It is not harmful to ground waters, does not contain any fibres or foaming agents deteriorating the ozone layer.  
FOAMGLAS<sup>®</sup> can be recycled.

**13 Disposal considerations**

The disposal must be carried out according to the waste catalogue, taking the national regulations into account. It can be recycled (converted into filling material for road construction in concrete mills). Its disposal does not require any particular control.

**14 Transport information**

Pittsburgh Corning Identification	IMCO			ADR Classification	Flashpoint	Labelling
	UN NR	Class	Page			
FOAMGLAS <sup>®</sup>	-	-	-	-	not applicable	not applicable



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EC - MATERIAL SAFETY DATA SHEET ACCORDING TO 93/112/CEE

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**15 Regulatory information**

Marking

No marking is required in the decree on hazardous materials.

**16 Other information**

While this information and recommendations set forth herein are believed to be accurate, Pittsburgh Corning Corporation makes no warranty with respect thereto, and disclaims all liability from reliance thereon.