



PITTSBURGH CORNING EUROPE  
Lasne Business Park, Building F  
Chaussée de Louvain, 431  
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Tel.: (32-2) 351 02 30  
Fax: (32-2) 353 10 63

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

Date: 15/01/01  
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**TRADE NAME: FOAMGLAS® (TYPES T4, T4 WDS,WDH, W+F, S3, F and HLB)**

**1 Identification of the substance/preparation and of the company**

**1.1 Trade name:** FOAMGLAS® types T4, T4 WDS, WDH, S3, F and HLB

**1.2 Manufacturer/supplier:**

<u>Office:</u>	Lasne Business Park, Building F Chaussée de Louvain 431 B-1380 LASNE - Belgium Tel.: (32-2) 351 02 30 Fax: (32-2) 353 10 63	<u>Factory:</u>	Albertkade 1 B-3980 TESSENDERLO BELGIUM Tel.: (32-13) 66 17 21 Fax: (32-13) 66 78 54
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**1.3 National Poison Information Service: UK London Tel. (44-1) 71 635 91 91**

**2 Composition/information on ingredients**

Chemical nature of the product: Inorganic foamed glass, without binder

Ingredient	CAS No.	EC No.	% by weight	Classification
Glass	65997-17-3	266-046-0	>99	-

**3 Hazards identification**

**Hazards to man:** none

**Hazards on the environment:** none

**4 First-aid measures**

**Eyes:** In case of irritation by glass dust, flush with water long enough, keeping the eyelids open, and immediately consult an oculist.

**Skin:** Wash with soap and water.

**Ingestion:** The physician must decide whether vomiting should be induced or not.

**Inhalation:** In case of headache, nausea during cutting in a small room, remove the victim to the fresh air, and call physician if necessary.

**5 Fire-fighting measures**

According to DIN 4102, Part 1, FOAMGLAS® is incombustible ; it belongs to class A1. The FOAMGLAS® insulation contains completely closed cells and does not induce fire propagation due to the absorption of inflammable products. Following the European fire classification (Official Journal of the European Communities No. L267/23 dated October 19, 1996), the FOAMGLAS® insulation is classified in "Euroclass A "No contribution to fire".



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**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® 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®. 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 No.	EEC No.	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>

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



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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: will not occur  
Hazardous decomposition products: none  
Hazardous reactions: none

**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® fine dust does not cause any pulmonary disease due to the inhalation of quartz dust (silicosis).

**12 Ecological information**

FOAMGLAS® 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® can be recycled.



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**13 Disposal considerations**

Product (FOAMGLAS®)

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 No.	Class	Page			
FOAMGLAS®	-	-	-	-	not applicable	not applicable

**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 makes no warranty with respect thereto, and disclaims all liability from reliance thereon.