



## Safety data sheet

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### BRIOTHERMXPS

Product: Extruded Polystyrene **GIAS XPS**

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#### 1. Identification data: Extruded Polystyrene GIAS XPS

**Domain of use** : Extruded polystyrene plates used for the thermal insulation of civil and industrial buildings

Company:

**BRIOTHERMXPS S.R.L**

ROMANIA

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#### 2. Hazards identification

- In normal conditions product does not pose hazards:
- In order to avoid the accumulation of residual expansion agents, storage of the products will be done in areas with good ventilation;
- The smocking is forbidden or the use of open flame near products stored;
- In the case of a fire, it will be released: dense fumes and acid gases;
- In case of grinding the product, dust particles will be produced.

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### **3. Composition**

- Polystyrene mixture and additives: pigments, nucleant agents, flame retardant products (for special orders), graphite.
- Expansion agents are: ecological agents, DME.

### **4. Measures against fire**

- In case of fire should be used: CO<sub>2</sub>, foam, chemical powder;
- Required protective equipment: gas masks.

### **5. First aid measures**

- In the event of a fire, following the inhalation of fumes and gases, the person must be cleaned and transported to the hospital.

### **6. Accidental spreading measures**

- Because the waste of XPS PANELS can be recycled 100% there is no risk of accidental scattering.

### **7. Storage conditions**

- Storage is done in well-ventilated spaces without heating sources;
- Do not expose to the sun directly because the polystyrene plate can become curved.

### **8. Transport conditions**

- The products will be transported in well ventilated transport.

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**9. Exposure and protection controls**

- The product is odorless, non-toxic and not harmful;
  - It is used: Fire extinguishing equipment with CO<sub>2</sub>, foam, chemical powder.
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**10. Physical and chemical properties**

- Color: gray;
  - Smell: no;
  - Appearance: solid with foam appearance;
  - Maximum operating temperature: ≤ 70 ° C.
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**11. Reactivity and stability**

- The product can be handled and used in optimal conditions;
  - Decomposition: in contact with open flame decomposition occurs;
  - Dissolving: in contact with acetone, gasoline, oil, ethers, aromatic hydrocarbons, chlorinated hydrocarbons, the product can be dissolved.
- \* Avoid contact with: aluminum hydride and lithium and aluminum hydride;
- \* The product does not contain freons.
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**12. Toxicological information**

**LD50 oral: not applicable;**

**LD50 cutaneous: not applicable;**

**LD50 inhalation: not applicable.**

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**13. Ecological information**

**\* The product is not toxic, is not biodegradable, so it involves recycling of scrap and wastes**

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**14. Regulatory information**

**The product complies with SR EN 13164 + A1:2015, SYSTEM 3+SYSTEM 4**