

FIBRANxps

1. Identification of the Product and of the Company

- 1.1 Product label name: FIBRANxps
Description: Boards of extruded polystyrene foam (XPS)
- 1.2 Product use: Thermal insulation of buildings and other applications.
- 1.3 Producer / Supplier: FIBRAN S.A.
Insulating Materials Industry
6th km Thessaloniki – Oreokastro, P.O. Box 40306
GR-560 10 THESSALONIKI
Tel: +30 2310 692700 Fax: +30 2310 683131
Factory: Tel.: +30 23220 25700 Fax: +30 23220 25704
e-mail: fibran@fibran.gr
- 1.4 Emergency telephone: +30 23220 25700, -20278, only during office hours

2. Hazards Identification

- 2.1 Classification of the product: Non-classified according to the criteria of Regulation (EC) 1272/2008 [CLP].
- 2.2 Label elements: None according to the above classification.
- 2.3 Other hazards / potential health effects:
- 2.3.1 Inhalation: Temporary irritation of the respiratory system may result from prolonged exposure to filings emerging from further mechanical treatment of the product in excess of applicable exposure limits. In case of burning (fire) smoke with odor is released which when inhaled irritates the respiratory tracks.
- 2.3.2 Skin contact: No effect.
- 2.3.3 Eye contact: Temporary irritation (itching) or redness may result from prolonged exposure to filings emerging from further mechanical treatment of the product.
- 2.3.4 Ingestion: Ingestion of the product is unlikely to occur under normal conditions of use. Nevertheless if it happens (filings) no substantial effects are expected.

3. Composition / Information on Ingredients

- 3.1 Chemical description: Article.
The product consists of solidified polystyrene foam and for its formation apart from crystal clear general purpose polystyrene (GP-PS) suitable physical blowing agents are used as well as small quantities of enhancing additives like colorant & flame retardant.
No ingredient presents a health or environmental hazard within the meaning of Regulation (EC) 1272/2008.

4. First Aid Measures

- 4.1 Description of first aid measures
- 4.1.1 Inhalation: If irritation occurs, remove the affected person to fresh air. Provide water to drink and clear nose from filings and dust. If irritation persists, consult a physician.
- 4.1.2 Eyes: Do not rub the eyes. Flush with plenty of water. Consult a physician if irritation persists.
- 4.1.3 Ingestion: Rinse mouth with plenty of water to remove filings. Drink plenty of water to help avoid potential gastrointestinal irritation.
- 4.2 Most important symptoms and effects, both acute and delayed: See section 2.3.
- 4.3 Indication of any immediate medical attention and special treatment needed: None.

5. Fire-Fighting Measures

- 5.1 Extinguishing media:
All - water, foam, dry powder, carbon dioxide. There are no objections in the use of any typical fire extinguishing media.
- 5.2 Special hazards:
Apart from carbon dioxide and water vapor other gases may be released upon combustion of the product, like toxic carbon monoxide.
- 5.3 Advice for firefighters:
Observe normal firefighting procedures. When the product burns in closed or inadequately ventilated space, use of self-contained or supplied-air respiratory equipment is necessary.

6. Accidental Release Measures

- 6.1 Personal precautions: Removal of open ignition sources
- 6.2 Environmental precautions: Collect large pieces and scoop up filings if any.
- 6.3 Clean up methods: Brooms, sucking devices (for filings).
- 6.4 Reference to other sections: XPS waste can be disposed of according to the provisions of section 13.

7. Handling and Storage

- 7.1 Handling:
-Unpack at application site only and avoid unnecessary handling of the product.
-Keep work areas clean if possible.
- 7.2 Storage:
-Keep the material in original packaging until it is to be used.

-Protect the product from prolonged (several months) exposure to direct sunlight and from open flame.

8. Exposure Controls / Personal Protection

8.1 Exposure limit values:

- 8.1.1 Follow all applicable exposure limits to filings / particles. Where feasible, general dilution ventilation or local exhaust ventilation should be used if necessary to keep exposures below these limits. Filings collection / removal systems should be used in cutting or machining operations.
- 8.1.2 Exposure limits: According to Directives 91/322/EEC & 96/94/EC, recommended exposure limits are 5 mg/m³ for respirable particulates and 10 mg/m³ for inert dust and particulates not otherwise regulated.

8.2 Personal protection:

- 8.2.1 Eyes: Use eye protectors in places with intense presence of product filings.
- 8.2.2 Respiratory (in case of further treatment of boards): If the filings produced exceed the exposure limits, wear suitable protective equipment like disposable masks type 3M 9310 or equivalent.

9. Physical and Chemical Properties

9.1	Appearance:	Solid boards of selected color
9.2	Odor:	Odorless
9.3	Melting point:	Above 180 °C
9.4	Boiling point:	n.a.
9.5	Flash point:	n.a.
9.6	Flammability:	Slow burning
9.7	Autoignition temperature:	n.a.
9.8	Explosion limits (upper / lower):	n.a.
9.9	Vapor pressure:	n.a.
9.10	Density:	28-35 kg/m ³
9.11	Solubility in water:	Insoluble
9.12	Viscosity:	n.a.

(n.a.: not applicable)

10. Stability and Reactivity

- 10.1 Chemical Stability: Stable under recommended storage & usage conditions.
- 10.2 Conditions to avoid: Exposure to fire.
- 10.3 Incompatible materials: Organic solvents, strong acids, sodium hypochlorite.
- 10.4 Hazardous decomposition products: The combustion products of the material (see section 5.2).

11. Toxicological Information

11.1 Acute toxicity:
None.

XPS filings can cause temporary irritation in the eyes and in the upper respiratory track (nose and throat). This is a mechanical reaction of the human body to the particles, generally abating within a short time after the end of exposure.

11.2 Chronic toxicity:
There are no relevant indications.

12. Ecological Information

12.1 Ecotoxicity:
The product is not expected to cause harm to land animals and plants or to fish and other aquatic species.

12.2 Degradability:
The product may suffer gradual surface degradation due to photolytic processes during prolonged sun exposure.

12.3 Other adverse effects:
XPS production uses physical blowing agents that have no toxic effects and they have zero Ozone Depletion Potential (ODP=0) and negligible Global Warming Potential (GWP_{≤3}).

13. Disposal Considerations

13.1 Waste treatment methods:
XPS products do not produce hazardous waste. Dispose waste material according to local regulations. If it is free of foreign material it can be sent for recycling.

14. Transport Information

There is no UN number for XPS products and they are not classified as a hazardous material to transport.

15. Regulatory Information

15.1 Safety, health and environmental regulations / legislation specific for the substance or mixture:
According to Regulation (EC) 1907/2006 [REACH] this product is an Article.

15.2 Chemical safety assessment:
A Chemical Safety Assessment is not required for an Article.

16. Other Information

The information contained herein is to our best present knowledge correct and complete. However, no warranty is expressed or implied regarding the accuracy of the data. As the working conditions of the users are beyond our knowledge and control, it is always their responsibility to take all the necessary measures to fulfill the demands on safety matters, laid down in national regulations and legislation.

History

Original edition: 2003-07-17

- Revision 1: 2008-12-19, reference to the presence of HBCD in the product (SVHC), reference to the use of ph. blowing agents with low GWP, compliance to guide in Reg. (EC) 1907/2006 Annex II.
- Revision 2: 2010-12-10, material renaming in title, footers and in section 1.1.
- Revision 3: 2015-06-11, removal of any reference to HBCD after the definitive stop of its use, adaptation to guide in Reg. (EU) 453/2010 Annex II.
- Revision 4: 2018-03-23, compliance assessment to guide in Annex of Reg. (EU) 2015/830, reference to CSA in section 15.2.
- Revision 5: 2019-06-25, removal of any reference to blowing agents listed in Annex I of Reg. (EU) 517/2014.
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