



# I003 - İZOCAM FOAMBOARD EXTRUDED POLYSTYRENE (XPS)

Revision nr. 2  
Dated 14/05/2020  
First compilation 19/03/2019  
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## Safety Data Sheet

According to Annex II to REACH - Regulation 2015/830

### SECTION 1. Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Code: I003  
Product name: İzocam Foamboard Extruded Polystyrene (XPS)

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified Uses	Industrial	Professional	Consumer
Insulation / building material.	✓	✓	✓
Uses Advised Against			

No data available.

#### 1.3. Details of the supplier of the safety data sheet

Name: İZOCAM TİC. ve SAN. A.Ş.  
Full address: Altayçeşme Mahallesi Çamlı Sok.  
Esas Ofispark No:21 Kat:4-5  
District and Country: Maltepe / İstanbul (Turkey)

Tel : +90 216 440 40 50

Fax +90 216 706 12 84

e-mail address of the competent person  
responsible for the Safety Data Sheet

No data available.

#### 1.4. Emergency telephone number

For urgent inquiries refer to  
+ 90 216 440 40 50 (Export Manager)  
+ 90 262 754 63 80 (Production Manager)

### SECTION 2. Hazards identification

#### 2.1. Classification of the substance or mixture

The product is not classified as hazardous pursuant to the provisions set forth in EC Regulation 1272/2008 (CLP) (and subsequent amendments and supplements).

Hazard classification and indication:

#### 2.2. Label elements

Hazard pictograms: --

Signal words: --

Hazard statements: --

Precautionary statements: --

#### 2.3. Other hazards

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

Emergency Overview : To prevent ignition, avoid smoking, keep from open flames and high temperatures.  
Grinding sawing or fabrication activities can produce dust particles which under certain conditions may ignite or form explosive dust atmospheres.

Route of Exposure : Eye contact, Inhalation.  
This material is not considered a carcinogen.

Fire and Explosion Hazards : Produces dense black smoke while burning.

Toxic fumes may be released in case of fire.



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

##### 3.1. Substances

Information not relevant

##### 3.2. Mixtures

Contains:

Identification	x = Conc. %	Classification 1272/2008 (CLP)
<b>Polystyrene, oligomers (Ethylbenzene Homopolymer)</b>		
CAS 9003-53-6	$85 \leq x < 90$	---
EC 500-008-9		
INDEX -		

Blended Blowing Agent(DME, CO<sub>2</sub> or HFCs): Max. 10%)  
Polymeric flame retardant

The product does not contain substances classified as being hazardous to human health or the environment pursuant to the provisions Regulation (EU) 1272/2008 (CLP) (and subsequent amendments and supplements) in such quantities as to require the statement.

The full wording of hazard (H) phrases is given in section 16 of the sheet.

#### SECTION 4. First aid measures

##### 4.1. Description of first aid measures

General Information: Consult a doctor/nearest medical service during any emergency situation.

Inhalation: Under normal industrial use, there is no or little dust present. If inhaled, remove to fresh air. Be sure that the respiratory tract is opened. Consult a physician if the symptoms persist.

Ingestion: Accidental ingestion of this material is unlikely. If this does occur, rinse mouth thoroughly, watch person to make sure intestinal blockage does not occur. Never give anything by mouth to an unconscious person. Consult a physician if the symptoms persist.

Skin Contact: It is recommended to clean the skin after contact with the product. Rinse your skin with water / shower. If irritation develops, get medical attention.

Eye Contact: In case of contact with the eye, rinse immediately with plenty of water at least 15 minutes. Remove contact lenses if it is available and easy to do. If any effects occur, consult a doctor or a medical service.

##### 4.2. Most important symptoms and effects, both acute and delayed

Inhalation: Dust may cause irritation of respiratory tract.

Ingestion: Ingestion of this product is unlikely.

Contact with skin: No effects expected. Chronic skin conditions may temporarily worsen from exposure to this product.

Contact with eyes: Dust may cause slight irritation. Fumes/vapor released during thermal operations such as hot-wire cutting may cause eye irritation.

Chronic (long term) : There is no known chronic health effect connected with long-term use or contact with this product.

##### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

#### SECTION 5. Firefighting measures

##### 5.1. Extinguishing media

Suitable extinguishing media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Water fog, foam, CO<sub>2</sub> or dry chemicals.

Unsuitable extinguishing media: Do not use water jet.

##### 5.2. Special hazards arising from the substance or mixture

Hazardous gases/vapors produced in fire or at high temperatures. Carbon Dioxide (CO<sub>2</sub>) and Carbon Monoxide (CO). Carbon monoxide, carbon dioxide, styrene. Small quantities of hydrogen fluoride and fluorine could be released. Other undetermined compounds could be released in small quantities.



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#### 5.3. Advice for firefighters

Fire vapors / gases may contain toxic and harmful substances therefore avoid breathing these substances. Take the wind out while extinguishing. Move employees and other persons away from the fire area and into a safe area. Use fire-protective equipment in accordance with EN469. Wear appropriate self-contained breathing apparatus (SCBA) and full fire fighting protective gear in a sustained fire.

### SECTION 6. Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

For personal protective equipment see chapter 8 of this Safety Data Sheet. Avoid contact with the eyes. Do not breathe dust. Prevent dust cloud formation. Do not touch the product until all safety precautions have been thoroughly read and understood. Provide adequate ventilation. Keep away from all ignition sources and flames.

#### 6.2. Environmental precautions

Avoid discharge to aquatic life. Stop leaks if possible. Prevent uncontrolled discharges into the environment (rivers, water courses, sewers etc.). Inform the competent authorities in case of contamination with water or sewerage and inform authorities concerned.

#### 6.3. Methods and material for containment and cleaning up

Dispose of contents / container in accordance with national regulations. Use an industrial vacuum cleaner with a high efficiency filter to clean up dust. Avoid dry sweeping. Pick up and transfer to properly labeled containers. After cleaning, flush away traces with water. Dispose the product in an authorized waste disposal site.

#### 6.4. Reference to other sections

See section 8 for personal protection.

See section 12 on Ecological information.

See section 13 on Disposal Considerations.

### SECTION 7. Handling and storage

#### 7.1. Precautions for safe handling

Wear protective clothing as shown in Section 8 of this Safety Data Sheet.

Read the special instructions before use. Avoid skin and eye contact. Do not breathe dust. Keep all sources of ignition away from the environment.

Powders may form if the product is cut, grinded, or crushed. Avoid dust formation. Provide appropriate and adequate ventilation.

Keep away from heat. Keep away from sources of ignition. Do not eat, drink or smoke when using this product. Keep out of reach of children.

Cutting operation may lead to release of blowing agent(s) remaining in the cellular structure. Provide adequate ventilation especially in unventilated space for not to reach lower flammable limit.

General protection and hygiene measures:

Use only in well-ventilated areas.

Keep away from food items, beverages and animal feed.

Remove contaminated, contaminated clothing immediately.

Wash your hands before breaks and at the end of work. Avoid direct contact with eyes and skin.

Do not eat or drink any food while using this substance. Do not smoke

#### 7.2. Conditions for safe storage, including any incompatibilities

Store in a tightly closed, original package and in a well-ventilated, cool and dry place.

Store in accordance with local regulations.

Suitable Storage Condition: Materials shall be stored off ground protected from sunlight, such as by a light colored opaque polyethylene film or warehouse roof and ventilated to prevent excess temperature (above 75 °C).

Storage of large quantities (especially in an unventilated space) may cause build-up of combustible vapors due to release of blowing agent. Minimize and keep under control heat/energy sources in the storage area. Release of blowing agent may cause faster corrosion or rust formation. Keep product in its packaging until use to minimize potential dust generation. Material should be kept dry and undercover.

Packaging Material : Delivered packed in PE Film.

Incompatible Materials : See Section 10

#### 7.3. Specific end use(s)

Use information for this product is described in Section 1.2.



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

##### 8.1. Control parameters

Information not available

##### 8.2. Exposure controls

Appropriate engineering controls:

Comply with the safety measures usually applied when handling chemical substances.

Provide local exhaust and/or general ventilation to maintain exposure below regulatory and recommended limits.

Dust collection system must be used in transferring operations, cutting or machining or other dust generating processes, such as using power tools. Vacuum or wet clean-up methods should be used. Grinding, cutting, sawing or fabrication activities that cut large numbers of interior foam cells can release localized amounts of flammable residual blowing agent or release dust particles that under certain conditions may ignite or form explosive dust atmospheres.

If adhesives are to be used with this product follow the adhesive manufacturer's guidance carefully.

Personal Protection :

Special protection is not normally required. Where necessary, including further processing, follow the below recommendations

Hand Protection

Protect hands with work gloves (see standard EN 374).

The following should be considered when choosing work glove material: compatibility, degradation, failure time and permeability.

The work gloves' resistance to chemical agents should be checked before use, as it can be unpredictable. The gloves' wear time depends on the duration and type of use.

Skin Protection

Wear professional long-sleeved overalls and safety footwear (see Directive 89/686/EEC and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

Eye Protection

Wear airtight protective goggles (see standard EN 166).

Respiratory Protection

Use a type P filtering facemask, whose class (1, 2 or 3) and effective need, must be defined according to the outcome of risk assessment (see standard EN 149). When workers are facing airborne particulate/dust concentrations above the exposure limit they must use appropriate certified respirators.

Environmental Exposure Controls

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

#### SECTION 9. Physical and chemical properties

##### 9.1. Information on basic physical and chemical properties

Appearance	Solid.
Colour	Pink.
Odour	No detectable odour.
Odour threshold	Not available
pH	Not applicable
Melting point / freezing point	Softens above 94 °C
Initial boiling point	Decomposes over 300°C
Boiling range	Not available
Flash point	Above 300 °C
Max. Service Temperature	75 °C
Evaporation rate	Not available
Flammability (solid, gas)	Not available
Flammability limit	B1 according to DIN 4102 E according to EN 13501-1



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Lower explosive limit	Not available
Upper explosive limit	Not available
Vapour pressure	Not available
Vapour density	Not available
Density	20 – 52 kg/m <sup>3</sup>
Solubility	Insoluble and generally chemically inert.
Partition coefficient: n-octanol/water	Not applicable
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Viscosity	Not applicable
Explosive properties	Not available
Oxidising properties	Not available

#### 9.2. Other information

No data available.

## SECTION 10. Stability and reactivity

#### 10.1. Reactivity

There are no particular risks of reaction with other substances in normal conditions of use.

#### 10.2. Chemical stability

The product is stable in normal conditions of use and storage.

#### 10.3. Possibility of hazardous reactions

No hazardous reactions are foreseeable in normal conditions of use and storage.

#### 10.4. Conditions to avoid

Avoid high temperatures, source of ignition and heat. Prevent moisture contact. Usual precautions used for chemical products should be respected.

#### 10.5. Incompatible materials

Hydrocarbons, esters and amines.

Keep away from organic solvents or materials containing volatile organic compounds.

#### 10.6. Hazardous decomposition products

Hazardous gases/vapors produced in fire or at high temperatures: Carbon Dioxide (CO<sub>2</sub>) and Carbon Monoxide (CO).

Those normally associated with combustion of organic hydrocarbon materials and should be considered as toxic. Product will burn and generate dense smoke.

## SECTION 11. Toxicological information

#### 11.1. Information on toxicological effects

##### Metabolism, toxicokinetics, mechanism of action and other information

Information not available

##### Information on likely routes of exposure

Information not available

##### Delayed and immediate effects as well as chronic effects from short and long-term exposure

Information not available

##### Interactive effects

Information not available

##### ACUTE TOXICITY

LC50 (Inhalation) of the mixture: Not classified (no significant component)

LD50 (Oral) of the mixture: Not classified (no significant component)

LD50 (Dermal) of the mixture: Not classified (no significant component)



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### SKIN CORROSION / IRRITATION

Does not meet the classification criteria for this hazard class

### SERIOUS EYE DAMAGE / IRRITATION

Does not meet the classification criteria for this hazard class

### RESPIRATORY OR SKIN SENSITISATION

Does not meet the classification criteria for this hazard class.

### GERM CELL MUTAGENICITY

Does not meet the classification criteria for this hazard class

### CARCINOGENICITY

Does not meet the classification criteria for this hazard class.

### REPRODUCTIVE TOXICITY

Does not meet the classification criteria for this hazard class

### STOT - SINGLE EXPOSURE

Does not meet the classification criteria for this hazard class

### STOT - REPEATED EXPOSURE

Does not meet the classification criteria for this hazard class

### ASPIRATION HAZARD

Does not meet the classification criteria for this hazard class

Additional information: Dusts may cause mechanical irritation to eyes and skin.

Ingestion may cause transient irritation of throat, stomach and gastrointestinal tract

Inhalation may cause coughing, nose and throat irritation, and sneezing. High exposures may cause difficulty breathing, congestion, and chest tightness.

## SECTION 12. Ecological information

### **12.1. Toxicity**

Product is not classified as environmentally hazardous. Nevertheless, it should be avoided to discharge to the environment.

### **12.2. Persistence and degradability**

Information not available

### **12.3. Bioaccumulative potential**

Information not available

### **12.4. Mobility in soil**

Information not available

### **12.5. Results of PBT and vPvB assessment**

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

### **12.6. Other adverse effects**

Information not available

## SECTION 13. Disposal considerations

### **13.1. Waste treatment methods**

Reuse, when possible. Neat product residues should be considered special non-hazardous waste.

Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.

### **CONTAMINATED PACKAGING**

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

Waste Class: 07 02 13 – Waste plastic materials



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### SECTION 14. Transport information

The product is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.

#### 14.1. UN number

Not applicable

#### 14.2. UN proper shipping name

Not applicable

#### 14.3. Transport hazard class(es)

Not applicable

#### 14.4. Packing group

Not applicable

#### 14.5. Environmental hazards

Not applicable

#### 14.6. Special precautions for user

Not applicable

#### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Information not relevant

### SECTION 15. Regulatory information

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Seveso Category - Directive 2012/18/EC: None

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006

None

Substances in Candidate List (Art. 59 REACH)

On the basis of available data, the product does not contain any SVHC in percentage greater than 0,1%.

Substances subject to authorisation (Annex XIV REACH)

None

Substances subject to exportation reporting pursuant to (EC) Reg. 649/2012:

None

Substances subject to the Rotterdam Convention:

None

Substances subject to the Stockholm Convention:

None

Healthcare controls

Information not available

#### 15.2. Chemical safety assessment

No chemical safety assessment has been processed for the mixture and the substances it contains.

### SECTION 16. Other information

Information Source: This Safety Data Sheet has been prepared based on provided information by supplier/manufacturer of this product and according to regulation EC No 2015/830 (REACH Annex II).

LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road



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- CAS NUMBER: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE NUMBER: Identifier in ESIS (European archive of existing substances)
- CLP: EC Regulation 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX NUMBER: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: EC Regulation 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA STEL: Short-term exposure limit
- TWA: Time-weighted average exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation
- WGK: Water hazard classes (German).

#### GENERAL BIBLIOGRAPHY

1. Regulation (EC) 1907/2006 (REACH) of the European Parliament
  2. Regulation (EC) 1272/2008 (CLP) of the European Parliament
  3. Regulation (EU) 790/2009 (I Atp. CLP) of the European Parliament
  4. Regulation (EU) 2015/830 of the European Parliament
  5. Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament
  6. Regulation (EU) 618/2012 (III Atp. CLP) of the European Parliament
  7. Regulation (EU) 487/2013 (IV Atp. CLP) of the European Parliament
  8. Regulation (EU) 944/2013 (V Atp. CLP) of the European Parliament
  9. Regulation (EU) 605/2014 (VI Atp. CLP) of the European Parliament
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  11. Regulation (EU) 2016/918 (VIII Atp. CLP) of the European Parliament
  12. Regulation (EU) 2016/1179 (IX Atp. CLP)
  13. Regulation (EU) 2017/776 (X Atp. CLP)
- The Merck Index. - 10th Edition
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  - INRS - Fiche Toxicologique (toxicological sheet)
  - Patty - Industrial Hygiene and Toxicology
  - N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
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#### Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

Provide appointed staff with adequate training on how to use chemical products.