



MATERIAL SAFETY DATA SHEET

1 . PRODUCT AND COMPANY INFORMATION

- Product Name** : İzocam Expanded Polystyrene (EPS)
- Manufacturer** : İzocam Ticaret ve Sanayi A.Ş.
Kocaeli Gebze V (Kimya) Organize Sanayi Bölgesi, Çerkeşli Köyü Üzeri, Kocabayır Mevkii, Dilovası/Kocaeli - TÜRKİYE
- Telephone No** : + 90 262 7546383 (08:00 – 17:30)
- Emergency Contacts** : + 90 216 3656745 (Export Manager)
+ 90 262 7546686 (Engineering Manager)

2 . COMPOSITION AND INGREDIENT INFORMATION

Substance	Chemical Name	Amount Weight %
Polystyrene	Ethenylbenzene Homopolymer	95-98
Pentane	C ₅ H ₁₂	2-5

3 . HAZARDS IDENTIFICATION

Non hazardous in finished product form.

- Emergency Overview** : To prevent ignition, avoid smoking, keep from open flames and high temperatures. Grinding sawing or fabrication activities can produce dust particles.

- Critical Hazards to Man and the Environment** : None

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



4 . FIRST AID MEASURES

No special measures necessary

5 . FIRE FIGHTING MEASURES

Suitable Extinguishing Media : Water fog, foam or dry chemical.

Unsuitable Extinguishing Media : None.

Fire Fighting Instructions : Use appropriate breathing apparatus in a sustained fire.

Combustion Products : Carbon dioxide, carbon monoxide, styrene (traces), other degradation products (traces)

Special Protective Equipment : None.

6 . ACCIDENTAL RELEASE MEASURES

Personal Precautions : Ensure adequate ventilation.

Environmental Precautions : Sources of ignition should be kept clear.

Methods for Cleaning up : Sweep/shovel up to prevent slipping.

7 . HANDLING AND STORAGE

Handling

Technical Measures : No special requirement is needed.
Precautions : When working at height care should be taken in strong winds.
Safe Handling Device : Not relevant



Storage

Keep in a cool, well ventilated place. Sealed containers should be protected against heat as this result in pressure build-up. Containers under pressure should be opened with care and the pressure then released.

8 . EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Limit Value : None

Limitation of Exposure : None

Limitation of Exposure at Workplace : None

Engineering Measures : Minimize dust generation using hand tools for cutting when possible.

Ventilation : Provide sufficient ventilation.

Personal Protective Equipment

Respiratory Protection : If dust is generated, it is recommended that disposable face masks complying with EN149 FFP1 or FFP2 should be used and are suitable for most applications to improve comfort.

Hand Protection : Gloves may be worn for comfort.

Eye Protection : When working with product above head height, secondary processing or mechanically cutting eye protection is advised.

Skin Protection : Not relevant

Hygiene Measures : Not relevant



9 . PHYSICAL AND CHEMICAL PROPERTIES

<u>Physical State</u>	: Solid
<u>Form</u>	: Closed-cell rigid polystyrene foam board
<u>Color</u>	: Usually white in color (but may be manufactured in different colors)
<u>Odor</u>	: Odorless
<u>Ph</u>	: Not relevant
<u>Flammability Limits</u>	: B1 according to DIN 4102 E according to EN 13501-1
<u>Auto Ignition Temperature</u>	: Not relevant
<u>Melting Point</u>	: Above 155 °C
<u>Max. Service Temperature</u>	: 75 °C
<u>Flash Point</u>	: Above 300 °C
<u>Density</u>	: 10 – 30 kg/m ³
<u>Solubility in Water</u>	: Insoluble and generally chemically inert. Soluble in organic solvents.

10 . STABILITY AND REACTIVITY

<u>Stability</u>	: Stability of initial characteristics up to 75 °C
<u>Incompatible Chemicals</u>	: organic solvents
<u>Hazardous Polymerization</u>	: Will not occur.
<u>Hazardous Decomposition Products</u>	: None, except in fire.
<u>Products of Combustion</u>	: Carbon dioxide, carbon monoxide, styrene (traces), other degradation products (traces)



11 . TOXICOLOGICAL INFORMATION

In our experience and according to information available to us the product is not harmful to health provided it is correctly handled and processed according to the given recommendations.

12 . ECOLOGICAL INFORMATION

It is not expected to cause harm to animals, plants or fish. Stable product with no known adverse environmental effects.

13 . DISPOSAL CONSIDERATIONS

No special precautions. Not classified as special waste, and may be disposed in normal waste landfill.

14 . TRANSPORTATION INFORMATION

No special precautions.

15 . REGULATORY INFORMATION

According to the local regulations

16 . OTHER INFORMATION

Person who wish to obtain more detailed information can contact the producer (address on first page of this sheet)

Information given in this data sheet is based on the state of our knowledge regarding this material as of **21.12.2012**. It is given in good faith.

The attention of users is drawn to possible risks taken when the product is used for other application than the ones it has been designed for.