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I008 – İZOCAM EPS

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: I008
Product name: İzocam Expanded Polystyrene (EPS)

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.

Critical Hazards to Health and the Environment : None

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

SECTION 3. Composition/information on ingredients

3.1. Substances

Information not relevant



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3.2. Mixtures

Identification	x = Conc. %	Classification 1272/2008 (CLP)
Polystyrene (Ethenylbenzene Homopolymer) CAS 9003-53-6 EC 500-008-9 INDEX -	95 ≤ x < 98	
Pentane CAS 109-66-0 EC 203-692-4 INDEX 601-006-00-1	2 ≤ x < 5	Flam. Liq. 2 H225, Asp. Tox. 1 H304, STOT SE 3 H336, Aquatic Chronic 2 H411, EUH066, Classification note according to Annex VI to the CLP Regulation: C

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: Consult a physician if the symptoms persist.

Ingestion: Never give anything by mouth to an unconscious person. Consult a physician if the symptoms persist.

Skin Contact: 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: No data available.

Ingestion: If swallowed, may cause discomfort.

Contact with skin: No data available.

Contact with eyes: No data available.

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 or dry chemical.

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 (CO₂) and Carbon Monoxide (CO). styrene (traces), other degradation products (traces).

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 self-contained breathing apparatus and full protective clothing.



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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

Take up mechanically. Sweep/shovel up to prevent slipping. Dispose of contents / container in accordance with national regulations. Pick up and discard large pieces. Collect residues in closed containers. 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.

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.

When working at height care should be taken in strong winds

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.

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.

7.3. Specific end use(s)

Use information for this product is described in Section 1.2.

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Information not available

8.2. Exposure controls

Appropriate engineering controls:

Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits. Provide adequate amounts of safety showers and eye showers and ensure that they are labelled appropriately. Comply with the safety measures usually applied when handling chemical substances. Minimize dust generation using hand tools for cutting when possible.

Hand Protection

If required, Protect hands with work gloves (see standard EN 374)

Skin Protection

If required, Wear professional long-sleeved overalls and safety footwear (see Directive 89/686/EEC and standard EN ISO 20344).

Eye Protection



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If required, Wear airtight protective goggles (see standard EN 166).

Respiratory Protection

If required, 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). FFP1 or FFP2 should be used and are suitable for most applications to improve comfort.

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. Closed-cell rigid polystyrene foam board.
Colour	Usually white in colour (but may be manufactured in different colours)
Odour	Odourless.
Odour threshold	Not available
pH	Not applicable
Melting point / freezing point	Not available
Initial boiling point	Not applicable
Boiling range	Not available
Flash point	> 300 °C
Evaporation rate	Not available
Flammability (solid, gas)	Not available
Flammability limit	B1 according to DIN 4102 E according to EN 13501-1
Lower explosive limit	Not available
Upper explosive limit	Not available
Vapour pressure	Not applicable
Vapour density	Not applicable
Density	10 – 30 kg/m ³
Solubility	Insoluble and generally chemically inert. Soluble in organic solvents.
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
Max. Service Temperature	75 °C

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.
Stability of initial characteristics up to 75 °C.

10.3. Possibility of hazardous reactions

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



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10.4. Conditions to avoid

Avoid high temperatures and heat and source of ignition.
Avoid the influence of naked flames. Usual precautions used for chemical products should be respected.

10.5. Incompatible materials

Oxidizing agents, strong acids and bases, organic solvents.

10.6. Hazardous decomposition products

Hazardous gases/vapors produced in fire or at high temperatures: Carbon Dioxide (CO₂) and Carbon Monoxide (CO). styrene (traces), other degradation products (traces).

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)

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

SECTION 12. Ecological information

12.1. Toxicity

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



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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.

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

Product

Point 40

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%.



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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

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

Flam. Liq. 2	Flammable liquid, category 2
Asp. Tox. 1	Aspiration hazard, category 1
STOT SE 3	Specific target organ toxicity - single exposure, category 3
Aquatic Chronic 2	Hazardous to the aquatic environment, chronic toxicity, category 2
H225	Highly flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.
EUH066	Repeated exposure may cause skin dryness or cracking.

LEGEND:

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



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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
 10. Regulation (EU) 2015/1221 (VII Atp. CLP) of the European Parliament
 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
 - Handling Chemical Safety
 - INRS - Fiche Toxicologique (toxicological sheet)
 - Patty - Industrial Hygiene and Toxicology
 - N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
 - IFA GESTIS website
 - ECHA website
 - Database of SDS models for chemicals - Ministry of Health and ISS (Istituto Superiore di Sanità) – Italy

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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.