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Dated 19/03/2019
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I006 - IZOCAM PU PANELS

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: I006
Product name: İzocam Tekiz Polyurethane Insulated Roof and Wall Panels & Fibro Panels

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 + 90 262 754 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%.

Most Important Hazards: The product is not classifiable as dangerous substance

Emergency Overview: To prevent ignition, avoid smoking, keep from open flames and high temperatures.

Fire and Explosion Hazards: Insulation material produces dense black smoke while burning.

Toxic fumes may be released in case of fire

Specific Hazards: Not relevant

SECTION 3. Composition/information on ingredients

3.1. Substances

Information not relevant



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3.2. Mixtures

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.

Surfaces in Panels

- ✓ Roof and Wall Panels: Both surfaces are covered with natural or pre-painted metallic sheets (galvanized steel, aluminum)
- ✓ Fibro Panels: One side is covered with in plastic material, the other one is with natural or pre-painted metallic sheets (galvanized steel, aluminum) Insulation Layer: Rigid expanded polyurethane

Package: Sheets protected with PE film (to be removed on building site). Additional packaging materials are expanded polystyrene supports, polyethylene film bonding, wooden or cardboard protections.

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: If inhaled, remove to fresh air. Be sure that the respiratory tract is opened. Consult a physician if the symptoms persist.
In case of serious respiratory difficulties caused by eventual massive inhalation of polyurethane dust, address you to the nearest emergency centre.

Ingestion: In case of big polyurethane dust ingestion, ask for a medical consultancy. 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: If exposed, avoid rubbing eyes. In case of contact with the eye, rinse immediately with plenty of water for 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 mechanical irritation.

Ingestion: If swallowed, may cause discomfort.

Contact with skin: Long-term contact may irritate the skin.

Contact with eyes: Dust may cause mechanical irritation.

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

Treat symptomatically.

Cut wounds : Clean and disinfect accurately the wound. Turn to medical specialist for eventual specific treatments.

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, water spray, foam, CO₂.

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).

Do not expose polyurethane foam to open flames or other direct or indirect high temperature ignition sources. Polyurethane foam will burn if exposed to a sufficient heat source. Polyurethane foams, once ignited, may degrade and melt to a combustible liquid, which may add to the fire involvement.

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. In fires involving polyurethane foam, particularly flexible foams, great heat, and large quantities of dense smoke and potentially toxic gases can be generated quickly.

Use fire-protective equipment in accordance with EN469. Wear self-contained breathing apparatus and full protective clothing.

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.



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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. Stop leak if safe to do so. Pick up and discard large pieces. Vacuum clean dust. Use a dust suppressant if sweeping is necessary. Wash clothing and equipment after handling. Do not wash out with water in a sensitive environment. 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.

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.

It has to be carried out at ambient temperature and at an adequate distance from free flames.

Forecast adequate fire protection systems in function of stored quantities.

Keep panels and packages in such a way as to guarantee their stability.

Suitable Storage Condition:

Under cover in dry place, away from fire when not sealed in plastic

Keep material in original packaging before use for protection against mechanical damage.

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.

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.

Feet protection : Safety shoes

Hearing protection : Adequate to cut devices



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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). Anti-dust mask (filter P2 white)

Environmental Exposure Controls

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

For the detailed information about the insulation material named as "Izocam Stone Wool", please request an MSDS for Izocam Stone Wool products.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Solid. Outside layers of wall and roof panels composed of a metallic sheet, filled with rigid expanded polyurethane. Outside layers of Fibro panel is consists of one metallic sheet and one membrane layer, filled with rigid expanded polyurethane
Colour	Regarding to Customer Request (Sheets) Light Yellow (Insulation) Black (Membrane if exists)
Odour	Normally odourless, it could be slight during transformation
Odour threshold	Not available
pH	Not applicable
Melting point / freezing point	Not available
Initial boiling point	Not applicable
Boiling range	Not available
Flash point	Not applicable
Evaporation rate	Not available
Flammability (solid, gas)	Not available
Lower inflammability limit	Not available
Upper inflammability limit	Not available
Lower explosive limit	Not available
Upper explosive limit	Not available
Vapour pressure	Not applicable
Vapour density	Not applicable
Density	30 kg/m ³ and above
Solubility	Not applicable
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

Not 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.



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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 and heat. Usual precautions used for chemical products should be respected.

10.5. Incompatible materials

Oxidizing agents, strong acids and bases.

10.6. Hazardous decomposition products

Hazardous gases/vapors produced in fire or at high temperatures: Carbon Dioxide (CO₂) and Carbon Monoxide (CO).

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



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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

Not biodegradable.

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.

European Waste Catalogue : 07 02 13 Plastic Waste

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



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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

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).

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)



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- 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.