



IZOCAM PU PANELS

Revision nr. 2
Dated 17/12/2024
Printed on 17/12/2024
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Replaced revision:1 (Dated: 19/03/2019)

Safety Data Sheet

According to Annex II to REACH - Regulation (EU) 2020/878

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

1.1. Product identifier

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 Information Sheet

Name İZOCAM TİC. ve SAN. A.Ş.
Full address Altayçeşme Mahallesi Çamlı Sok.
No:21 Kat:4-5
District and Country Maltepe / İstanbul (Turkey)
TR
Tel. +90 216 440 40 50
Fax +90 216 706 12 84

e-mail address of the competent person
responsible for the information sheet

1.4. Emergency telephone number

For urgent inquiries refer to
Tel: + 90 216 4404050/540 (Export Manager)
Tel: + 90 262 4404050/660 (Engineering 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: --

This product is not subject to hazard labeling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements.

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



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Specific Hazards: Not relevant

SECTION 3. Composition/information on ingredients

3.1. Substances

Information not relevant

3.2. Mixtures

The product does not contain substances classified as being hazardous to human health or the environment pursuant to the provisions Regulation (EC) 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. If not breathing, give artificial respiration. Be sure that the respiratory tract is opened. Consult a physician if the symptoms persist.

Ingestion: Not applicable. However, if swallowed in small quantities, rinse mouth with water. If vomiting occurs, keep head below hips to prevent going to the lung. 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 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 EQUIPMENT

The extinguishing equipment should be of the conventional kind: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Water, water spray, foam, CO₂.

UNSUITABLE EXTINGUISHING EQUIPMENT

Do not use water jet.

5.2. Special hazards arising from the substance or mixture

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

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.



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5.3. Advice for firefighters

GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations. 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.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Use breathing equipment if fumes or powders are released into the air. These indications apply for both processing staff and those involved in emergency procedures. 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

The product must not penetrate into the sewer system or come into contact with surface water or ground water. 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

Confine using earth or inert material. Collect as much material as possible and eliminate the rest using jets of water. Contaminated material should be disposed of in compliance with the provisions set forth in point 13. Stop leak if safe to do so. Collect mechanically. 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.

6.4. Reference to other sections

Any information on personal protection and disposal is given in sections 8 and 13.

SECTION 7. Handling and storage

7.1. Precautions for safe handling

Before handling the product, consult all the other sections of this material information sheet. Avoid leakage of the product into the environment. Do not eat, drink or smoke during 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.

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.



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SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Information not available

8.2. Exposure controls

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

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. For cutting, use a knife rather than a saw. Comply with the safety measures usually applied when handling chemical substances.

HAND PROTECTION

In the case of prolonged contact with the product, protect the hands with penetration-resistant work gloves (see standard EN 374). Work glove material must be chosen according to the use process and the products that may form. 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. The following should be considered when choosing work glove material: compatibility, degradation, failure time and permeability.

SKIN PROTECTION

Wear professional long-sleeved overalls and safety footwear (see Regulation 2016/425 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

EYE PROTECTION

Wear airtight protective goggles (see standard EN ISO 16321).

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

Properties	Value	Information
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	
Melting point / freezing point	not available	
Initial boiling point	not available	
Flammability	not available	



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Lower explosive limit	not available
Upper explosive limit	not available
Flash point	not available
Auto-ignition temperature	not available
Decomposition temperature	not available
pH	not available
Kinematic viscosity	not available
Solubility	not available
Partition coefficient: n-octanol/water	not available
Vapour pressure	not available
Density and/or relative density	30 kg/m ³ and above
Relative vapour density	not available
Particle characteristics	not applicable

9.2. Other information

9.2.1. Information with regard to physical hazard classes

Information not available

9.2.2. Other safety characteristics

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.

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. 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.

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 hazard classes as defined in Regulation (EC) No 1272/2008

Metabolism, toxicokinetics, mechanism of action and other information



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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

Does not meet the classification criteria for this hazard class

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

11.2. Information on other hazards

Information not available



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SECTION 12. Ecological information

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or contaminate soil or vegetation.

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. Endocrine disrupting properties

Information not available

12.7. 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.

The management of waste arising from the use or dispersal of this product must be organised in accordance with occupational safety regulations. See section 8 for possible need for PPE.

CONTAMINATED PACKAGING

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

Waste Class: 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 or ID number

not applicable

14.2. UN proper shipping name

not applicable

14.3. Transport hazard class(es)



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not applicable

14.4. Packing group

not applicable

14.5. Environmental hazards

not applicable

14.6. Special precautions for user

not applicable

14.7. Maritime transport in bulk according to IMO instruments

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/EU: None

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

None

Regulation (EU) 2019/1148 - on the marketing and use of explosives precursors

not applicable

Substances in Candidate List (Art. 59 REACH)

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

Substances subject to authorisation (Annex XIV REACH)

None

Substances subject to exportation reporting pursuant to Regulation (EU) 649/2012:

None

Substances subject to the Rotterdam Convention:

None

Substances subject to the Stockholm Convention:

None

Healthcare controls

Information not available

German regulation on the classification of substances hazardous to water (AwSV, vom 18. April 2017)



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WGK 1: Low hazard to waters

15.2. Chemical safety assessment

Has not been performed / is not yet available a chemical safety assessment for the substance.

SECTION 16. Other information

LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- ATE: Acute Toxicity Estimate
- CAS: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE: Identifier in ESIS (European archive of existing substances)
- CLP: Regulation (EC) 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: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent, bioaccumulative and toxic
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PMT: Persistent, mobile and toxic
- PNEC: Predicted no effect concentration
- REACH: Regulation (EC) 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: Time-weighted average exposure limit
- TWA STEL: Short-term exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very persistent and very bioaccumulative
- vPvM: Very persistent and very mobile
- 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) 2020/878 (II Annex of REACH Regulation)
4. Regulation (EC) 790/2009 (I Atp. CLP) 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)
14. Regulation (EU) 2018/669 (XI Atp. CLP)
15. Regulation (EU) 2019/521 (XII Atp. CLP)
16. Delegated Regulation (UE) 2018/1480 (XIII Atp. CLP)
17. Regulation (EU) 2019/1148
18. Delegated Regulation (UE) 2020/217 (XIV Atp. CLP)
19. Delegated Regulation (UE) 2020/1182 (XV Atp. CLP)
20. Delegated Regulation (UE) 2021/643 (XVI Atp. CLP)
21. Delegated Regulation (UE) 2021/849 (XVII Atp. CLP)
22. Delegated Regulation (UE) 2022/692 (XVIII Atp. CLP)
23. Delegated Regulation (UE) 2023/707
24. Delegated Regulation (UE) 2023/1434 (XIX Atp. CLP)
25. Delegated Regulation (UE) 2023/1435 (XX Atp. CLP)
26. Delegated Regulation (UE) 2024/197 (XXI Atp. CLP)



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- 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

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.

Author of the safety data sheet

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CALCULATION METHODS FOR CLASSIFICATION

Chemical and physical hazards: Product classification derives from criteria established by the CLP Regulation, Annex I, Part 2. The data for evaluation of chemical-physical properties are reported in section 9.

Health hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 3, unless determined otherwise in Section 11.

Environmental hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 4, unless determined otherwise in Section 12.

Changes to previous review:

The following sections were modified:

01 / 11 / 12 / 14 / 15 / 16