



MATERIAL SAFETY DATA SHEET

1. PRODUCT AND SUPPLIER IDENTIFICATION

Product Name : Izocam Glass Wool Blankets, Boards and Prefabricated Pipes.
Manufacturer : Izocam Ticaret ve Sanayi A.Ş.
Dilovası Mevkii
41455 Gebze - Kocaeli
TÜRKİYE
Telephone No : + 90 262 7546390 (08:00 – 17:30)
Emergency Contacts : + 90 216 3656745 (Export Manager)
+ 90 262 7546686 (Engineering Manager)

2. COMPOSITION AND INGREDIENT INFORMATION

| Substance | Amount Weight % |
|---|-----------------------------------|
| Glass Fiber | 92 to 96 |
| Terpolymer Phenol-Urea- Formaldehyde Polycondensed | 8 to 4 (depends on product) |

| Components | |
|---|---|
| SiO ₂ (Silicate) CaO MgO Na ₂ O K ₂ O | Al ₂ O ₃ Fe ₂ O ₃ B ₂ O ₃ |
| Ingredients contributing to the hazard : None | |
| Facing and adhesive : None or Al-foil, Reinforced Al-foil, Glass Tissue, Kraft Paper or PVC | |



3 . HAZARDS IDENTIFICATION

Most Important Hazards

: **WHO (World Health Organization):**

The International Agency for Research on Cancer (IARC) which is a working group of WHO has evaluated the risk of airborne man made fibers and concluded that the more commonly used vitreous fiber wools including insulation glass wool, stone wool and slag wool are not classifiable as to carcinogenicity to humans (Group 3). Therefore all mineral wools, including non-bio soluble types as well, are in the third group of classification namely, Inadequate Data Group which also includes tea, fluorescent light and caffeine.

EC (European Community)

Fibers contained in this product have a low fiber biopersistence. (Weighted clearance half life of fibers, with lengths greater than 20 μm , after inhalation, less than 10 days or after intratracheal instillation, less than 40 days). So, classification as a carcinogen **need not apply** in accordance with the Regulation (EC) No 1272/2008 and the note Q of the directive 97/69/EC.

Having EUCEB trademark, Izocam glass wool products are not classified as carcinogenic.

Fire and Explosion Hazards

: Resin, paper or plastic facings will burn causing smoke.

Specific Hazards

: Not relevant



4 . FIRST - AID MEASURES

Means to first aid

Information according to the different exposure route :

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|---------------------|--|
| Inhalation | : Remove from exposure. Rinse the throat and blow nose to clear dust |
| Skin Contact | : Wash gently with warm water and soap. In case of allergy, consult a doctor. |
| Eye Contact | : Do not rub. Rinse abundantly with copious quantities of water for at least 15 minutes. If irritation persists, consult a doctor. |
| Ingestion | : Not relevant |

5 . FIRE – FIGHTING MEASURES

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|-----------------------------------|---|
| Extinguishing Media | : Water, sprayed water, foam, CO ₂ |
| Fire Fighting Instructions | : Not relevant |

6 . ACCIDENTAL RELEASE MEASURES

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|----------------------------------|--|
| Personal Precautions | : In case of high concentrations of dust, use the same personal protective equipment as mentioned in section 8 |
| Environmental Precautions | : Not relevant |
| Methods for clean-up | : Vacuum Cleaner, Aspiration |



7. HANDLING AND STORAGE

Handling

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|----------------------|---|------------------------|
| Technical Measures | : | No specific measures |
| Precautions | : | No specific precaution |
| Safe Handling Advice | : | No specific advice |

Storage

| | | |
|----------------------------|---|--|
| Technical Measures | : | No specific measures |
| Suitable Storage Condition | : | Under cover in dry place when not sealed in plastic. |
| Incompatible Materials | : | None |
| Packaging Material | : | Delivered packed in carton box or polyethylene |
| Recommended | : | No specific recommendation. Keep material in original packaging before use for protection against mechanical damage and against becoming wet. |

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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| Engineering Measures | : | For cutting, use a knife rather than a saw. |
|-----------------------------|---|---|

Personal Protective Equipment

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|----------------------------|---|--|
| - Respiratory Protection | : | Wearing a face mask type P1 is recommended when using products in confined atmosphere or during operations which can produce emission of dust (e.g. more than 5mg/Nm ³). |
| - Hand Protection | : | Gloves |
| - Eye Protection | : | Goggles |
| - Skin and Body Protection | : | Full clothes with closed sleeves |

| | | |
|-------------------------|---|---|
| Hygiene Measures | : | After a protracted contact, wash hands with water and soap. |
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|-----------------------------|---|-------------------------|
| Exposure Limit Value | : | Local regulations apply |
|-----------------------------|---|-------------------------|



9 . PHYSICAL AND CHEMICAL PROPERTIES

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|---------------------------------------|--|
| Physical State | : Solid |
| Form | : Mineral wool of homogeneous texture in the form of boards, rolls and mats. |
| Micronaire | : 3 – 5 F/5gr |
| Orientation of Fibers | : Random |
| Color | : Generally Yellow |
| Odor | : Not relevant |
| pH | : Not applicable |
| Temperature Of Devitrification | : About 1000°C |
| Flash Point | : Not relevant |
| Explosion Properties | : Not relevant |
| Density | : 10 to 120 kg/m ³ (Depends on product) |
| Solubility in Water | : Note relevant |

10 . STABILITY AND REACTIVITY

| | |
|---|---|
| Stability | : Stable in dry conditions and given temperature limits. |
| Incompatible Chemicals | : Not Relevant |
| Hazardous Reactions | : Not Relevant |
| Hazardous Decomposition Products | : Binder evaporates above approximately 175°C. Accordingly, formation of gases such as formaldehyde during first heating. |



11 . TOXICOLOGICAL INFORMATION

- Acute Toxicity** : Not Relevant
- Chronic Toxicity** : Classification as a carcinogen **need not apply** in accordance with the directive 97/69/EC.

Local Effects

- Inhalation** : No specific effect
- Skin Contact** : Short-lived itching or red spots which usually disappear after a few days. Exceptionally allergy.
- Eye Contact** : Short-lived itching or inflammation.
- Ingestion** : May cause itching of upper aero-digestive canal

12 . ECOLOGICAL INFORMATION

Product without any known negative environmental effects.

Positive effects on the environment through the use as thermal insulation.

Product which can be recycled.

13 . DISPOSAL CONSIDERATIONS

- Waste From Residues** : Dispose of in accordance with regulations and procedures in force.
- Contaminated Packaging** : Dispose of in accordance with regulations and procedures in force.
- European Waste Catalogue** : 10 11 03 – Waste glass-based fibrous materials
Eventually contact the manufacturer



14 . TRANSPORT INFORMATION

No specific regulations.

15 . REGULATORY INFORMATION

IZOCAM glass wool is not classified as a possible carcinogen, ref. Nota Q of EU Directive 97/69/EC regulations.

IARC has classified mineral wool fibres in group 3 – Not classifiable as to carcinogenicity to humans.

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 **11.06.2012**. 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.