

MATERIAL SAFETY DATA SHEET

ERYAP GRUP YAPI MALZEMELERİ SAN. VE TİC. A.Ş

Product Name: Bonus|Wooler

Page:1/6

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1. Product and Company Identification

Product Name: Bonus|Wooler Factory Made Mineral Wool

Usage of Product: Thermal Insulation, Insulation and Fire

Company Identification:

Eryap Grup Yapı Malzemeleri San. ve Tic. A.Ş

2. Organize Sanayi Bölgesi, 2. Yol, Number: 54 Hendek / SAKARYA / TURKEY

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2. Composition/ Information of Components

| SUBSTANCE | AMOUNT WEIGHT (%) |
|--|-------------------|
| Stone Fiber | 95-100 |
| Terpolymer (Phenol-Urea-Formaldehyde) | 0-5 |
| Polycondensed Mineral Oil | Max 0,5 |

| Components | |
|--|--------------------------------|
| SiO ₂ | Al ₂ O ₃ |
| CaO | Fe ₂ O ₃ |
| MgO | SO ₃ |
| MnO | K ₂ O |
| Na ₂ O | |
| Ingredients contributing to the hazard : None | |
| Facing and adhesive : None or yellow or black glass tissue, woven glass fiber. | |

3. Hazards Identification

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. Therefore all mineral wools, including nonbio 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.

Fire and Explosion Hazards: Resin, paper or plastic facings will burn causing smoke.

Other Hazards: None

4. First – Aid Measures

Eye Contact: Rinse abundantly with copious quantities of water for at least 15 minutes. Do not rub. If irritation persists, consult a doctor.

Skin Contact: Do not rub and scratch. Wash gently with warm water and soap. In case of allergy, consult a doctor.

Inhalation: Remove from exposure Rinse the throat and blow nose to clear dust.

Swallow: It damages to digestive system. Apply to medical attention

5. Fire Fighting Measures

Extinguishing Media: Water, foam, CO2.

Fire Fighting Procedures: You can use usual fire response instructions.

6. Accidental Release Measures

Personal Precautions: In case of high concentrations of dust, use the same personal protective equipment as mentioned in section 8.

Environmental Precautions: There are no special required instructions.

Spill or Leak Procedures: Pick up and discard large pieces. Spray water before sweep or use a dust suppressant.

Methods for clean up: Vacuum cleaner, aspiration

7. Handling and Storage

Handling

Technical Measures: There are not any specific measures

Precautions: Not specified

Safe Handling Advices: Not specified

Storage

Technical Measures: There are not any specific measures

Storage Condition: Under cover in dry place when not sealed in plastic.

Incompatible Materials: None

Packaging Material: Delivered packed in polyethylene package

Recommended: There are not any specific recommendations. Keep material in original packaging before use for protection against mechanical damage and against becoming wet.

8. Exposure Control and Personal Protection

Technical Measures: Use a knife rather than a saw for cutting

Personal Protective Equipment

Eye Protection: Use a goggles

Skin Protection: Wear full clothes with closed sleeves

Hand Protection: Gloves

Respiratory Protection: Wearing a face mask type P2 is recommended when using products in confined atmosphere or during operations which can produce emission of dust.

Hygiene Measures: After a protracted contact, wash your hands with water and soap.

Exposure Limit Value: Local regulations apply.

9. Physical and Chemical Properties

Physical State: Solid (Fiber)

Form: Mineral wool of homogeneous texture in the form of rigid or semi-rigid panels, boards, rolls and mats.

Dimension of Fiber: Depends on product type.

Distribution of Fibers: Random.

Color: Yellow-brown

Density: 20-250 kg/m³ (Depends on product.)

Odor: Odorless.

pH: Not relevant.

Melting Point: >1000°C

Flash Point: Not relevant.

Explosion Properties: Not relevant.

Autoignition Temperature: Not relevant.

Vapor Pressure: Not applicable.

10. Stabilité ve Reaktivité

Stability: Steady state in dry conditions and given temperature limits.

Incompatible Chemicals: Not relevant

Hazardous Reactions: Not relevant

Hazardous Decomposition Products: Binder evaporates above approximately 200°C. Accordingly, formation of smells during first heating. Ventilate the area after the first use at hot surface applications.

11. Toxicological Information

Acute Toxicity: Not relevant.

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

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: 17 06 04 - Insulation Materials (Do not contain asbestos and hazardous materials).

14. Transport Information

There is not any special regulation.

15. Regulatory Information

Wooler is not classified as a possible carcinogen, ref. Nota Q of EU Directive 97/69/EC 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 02.04.2012. It is given in good faith.

Special conditions for use of this product is not controlled by manufactures so the consumer is responsible for ensuring the requirements of relevant legislations. The information contained in this from is based on the current state of national legislation and guides for health, safety and environment. It does not guarantee technical performance and eligibility for special occasions.

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.