

# MATERIAL SAFETY DATA SHEET & PRODUCT DATA SHEET FOR MANTOSUR

(According to Regulation (EC) No. 1907/2006)

MSDS Number: KNZ-4201

DATE: 19/05/2015

## 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1- Product Identifier

Product name MANTOSUR Thermal Insulation Plaster

CAS No Not available.

Chemical Name Not available.

Chemical Formula Not available.

Packaging Craft bag, 16 kg.

### 1.2- Relevant identified uses of the substance or mixture and uses advised against

Description Mantosur is used as a exterior and interior insulation plaster.

### 1.3- Details of the supplier of the safety data sheet

Address: Konya Organize Sanayi Bölgesi Yaylacık Cad. Güneştepe Sk. No : 9 42050 Konya /  
Türkiye

Telephone / Fax: TEL: +90 332 342 29 11 FAX: +90 332 342 38 46

Web: [www.konizma.com.tr](http://www.konizma.com.tr)

E-mail: [areasales@mantosur.com.tr](mailto:areasales@mantosur.com.tr)/[sales@mantosur.com.tr](mailto:sales@mantosur.com.tr)/  
[export@mantosur.com.tr](mailto:export@mantosur.com.tr)

### 1.4- Emergency telephone number

Konizma Construction Thermal Insulation Inc. Co.  
+90 332 251 55 50 (Not available outside office hours)  
Monday-Friday between 9:00 am – 18:00 pm

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

### 2.1- Substances

Component	CAS #
Perlite	93763-70-3
Pumice	1332-09-8
Cement	65997-15-1
Limestone	1317-65-3
Polymer	N/A

## NO DETECTABLE HAZARDOUS COMPONENTS

### 3. HAZARDS IDENTIFICATION

#### 3.1- Potential Health Effects

Primary Route of Exposure Inhalation

#### 3.2- Relevant Route of Exposure

<b>Eye Contact</b>	Eye Contact with particulate may cause slight to moderate eye irritation. Abrasive action of dust particulate can damage eye.
<b>Skin</b>	Contact Prolonged or repeated contact may cause slight to moderate skin irritation.
<b>Inhalation</b>	Overexposure by inhalation of airborne particulate, dust, or fumes is irritating to the nose, throat and respiratory tract. Inhalation of excessive levels of dust or fumes may be harmful.
<b>Ingestion</b>	Ingestion is an unlikely route of exposure; no hazard in normal industrial use. Small amounts (< tablespoon) swallowed during normal handling operations are not likely to cause injury. However, if ingested in sufficient quantity may cause injury such as gastrointestinal disturbances. Symptoms may include irritation, nausea, vomiting, abdominal pain, and diarrhea.

### 4. FIRST AID MEASURES

#### 4.1- Emergency and First Aid Procedures

<b>In case of skin contact</b>	Wash with mild soap and water to remove any dust adhering to skin. A commercially available hand lotion may be used to treat dry skin areas. If skin has become cracked, take appropriate action to prevent infection and promote healing. If irritation persists, contact physician.
<b>In case of eye contact</b>	Flush thoroughly with clean, flowing, lukewarm water (low pressure) for 15 minutes. If irritation persists, contact a physician.
<b>Inhalation</b>	Leave the area of dust exposure and remain away until coughing or other symptoms occur. If not breathing, give artificial respiration or give oxygen by trained personnel. If respiratory symptoms persist, contact a physician.
<b>Ingestion</b>	Ingestion is an unlikely route of exposure. If ingested in sufficient quantity and if victim conscious, give 1-2 glasses of milk. Never give anything by mouth to an un-conscious person. Leave decision to induce vomiting to qualified medical personnel, since particles may be aspirated into the lungs. Seek immediate medical attention.

## 5. FIRE FIGHTING MEASURES

### 5.1- Flammable Properties

This material will not burn. No unusual fire or explosion hazards.

### 5.2- Suitable Extinguishing Media

Use extinguishing media appropriate to combustibles in the surrounding area.

### 5.3- Special hazards arising from the substance

Not combustible.

### 5.4- Advice for fire-fighters

Wear full protective clothing including self contained breathing apparatus for firefighting if necessary.

## 6. ACCIDENTAL RELEASE MEASURES

### 6.1- Personal precautions

Avoid inhalation of dust. Provide adequate ventilation.

### 6.2- Methods and materials for containment and cleaning up

Product is a dry solid (granular or powder) and not readily soluble in water. However, prevent spilled product from entering streams, water bodies, and wastewater systems. Vacuum or sweep up dry material and place in a container for reuse. Avoid creating excessive airborne dust. Cleanup personnel need to wear approved respiratory protection (air purifying or air supplying), gloves, long sleeved clothing and goggles to prevent irritation from contact and inhalation.

## 7. HANDLING AND STORAGE

### 7.1- Precautions for safe handling

Minimize dust generation and accumulation. Avoid breathing dust. Avoid contact with skin and eyes.

Always use adequate ventilation, avoid breathing dust and prolonged exposure. Launder contaminated clothing before reuse.

### 7.2- Condition for safe storage

Store in a cool, dry area. Keep container closed when not in use.

## 8. EXPOSURE CONTROLS, PERSONAL PROTECTION, TECHNICAL SPECIFICATION/DESCRIPTION

### 8.1- Control parameters of product

Product	CAS #	OSHA PEL (TWA)	ACGIH TWA	NIOSH TWA
Mantosur Thermal Insulation Plaster	N/A	N/A	N/A	N/A

## 8.2- Control parameters of components:

Component	CAS #	OSHA PEL	ACGIH TLV	NIOSH TWA
Perlite	93763-70-3	10 mg/m <sup>3</sup>	3 mg/m <sup>3</sup>	N/A
Pumice	1332-09-8	N/A	N/A	N/A
Cement	65997-15-1	50 million particles/ft <sup>3</sup>	10 mg/m <sup>3</sup>	N/A
Limestone	1317-65-3	15 mg/m <sup>3</sup>	N/A	10 mg/m <sup>3</sup>
Polymer	105-05-4	10 mg/m <sup>3</sup>	N/A	N/A

## 8.3- Exposure controls

**Respiratory protection** NIOSH (US) or European standard EN 149 approved respirators should be employed when using product outside of a fume hood or when ventilation is not adequate.

**Hand protection** Chemical resistant gloves are required.

**Eye & face protection** Corrosive to eyes. Wear protective safety goggles when dust generation is likely.

**Skin & body protection** Protective clothing such as long sleeves or a lab coat should be worn. Neoprene or neoprene gloves with cuffs are recommended. When handling heated materials, also be sure to use heat-resistant gloves, boots and face protection.

## 8.4- TECHNICAL SPECIFICATIONS:

DRY DENSITY: 400 ± 150kg / m<sup>3</sup>

PRESSURE RESISTANCE: CS 1

CREEP (capillary) WATER INTAKE W1

Strength in VINEYARDS: ≥0.05N / mm<sup>2</sup> BREAKING FORM (FP) B Water vapor permeability coefficient (μ): ≤ 15

THERMAL CONDUCTIVITY: T1 (≥ 0.046 W / mK)

RESPONSE FIRE CLASS: A1

21 dB SOUND ABSORPTION (2 CM. THICKNESS APPLICATION)

## 8.5-DESCRIPTION:

Inorganic polyvinyl acetate and allowing volatilization polymerization of a catalyst made with binder staple fibers, BOR MINE as well as volcanic glass with pumice (coated) for perlite mixed. thermal-noise-water also breathing naturally structure providing fire insulation can receive a new generation of composite natural thermal insulation plaster.

This product has a medical report from Turkey Atomic Energy Agency which is not carcinogenic. A1 class fire insulation (1300 degrees) fire-resistant material.

The product is in accordance with EN 998-1 standards and certified by Turkish Standards Institution.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1- Information on basic physical and chemical properties

Appearance	Dust
Colour	White
Odour	Odorless
Odour threshold	Not applicable
pH, at 100 g/l	Not applicable
Melting point/range, °C	Not available
Boiling point, °C	Not available
Flash point, °C	Not applicable
Evaporation rate	Not available
Flammability	Not applicable
Incombustibility	A1 Non-flammable product certification is available.
Min explosive Conc., g/dm <sup>3</sup>	Not applicable
Vapour pressure, @ 20 °C, hPa	8.13
Vapor density (air=1)	Not applicable
Relative density @ 25 °C (water=1)	Not available
Solubility in water @ 20 °C, gr/100 ml	Insoluble
n-Octanol/Water (log Po/w)	Not applicable
Decomposition temperature	Not applicable
Viscosity, dynamic (mPa s)	Not applicable

## 10. STABILITY AND REACTIVITY

### 10.1- Reactivity

Mantosur is an inert and stable material

### 10.2- Chemical Stability

This product is stable under normal conditions for shipping, storage and installation.

### 10.3- Possibility of hazardous reactions

Under normal conditions, not hazardous reactions will occur.

### 10.4- Conditions to avoid

None

### 10.5- Incompatible materials

Mantosur Insulation Plaster can react with molten alkalis and alkali vapors.

### 10.6- Hazardous decomposition products

None.

## 11. TOXICOLOGICAL INFORMATION

### 11.1- Information on toxicological effects

Acute toxicity	No data available
Skin corrosion/irritation	No data available
Respiratory or skin sensit	No data available
Irritation to respiratory tract	No data available
Mutagenicity	No data available
Carcinogenicity	No data available
Immunotoxicity	No data available
Teratogenicity	No data available
Neurotoxicity	No data available

## 12. ECOLOGICAL INFORMATION

### 12.1- Toxicity

No data available on any adverse effects of this material on the environment.

### 12.2- Persistence and degradability

No information available.

### 12.3- Bioaccumulative potential

No information available.

### 12.4- Mobility in soil

No information available.

### 12.5- Results of PBT and vPvB assessment

No information available..

### 12.6- Other adverse effects

No information available.

## 13. DISPOSAL CONSIDERATIONS

### 13.1- Waste treatment methods

If the quantity is substantial return to supplier or manufacturer. Small quantities should be disposed in accordance with domestic waste regulations. Dispose of contaminated packaging as unused product.

## 14. TRANSPORT INFORMATION

### 14.1- Land transport (ADR/RID/GGVSE)

This product is not regulated by USDOT as a hazardous material. No UN code assigned. No placard required for transportation

### 14.2- Air transport (ICAO-IATA/DGR)

This product is not regulated by USDOT as a hazardous material. No UN code assigned. No placard required for transportation

### 14.3- Sea transport (IMDG-Code/GGVSee)

This product is not regulated by USDOT as a hazardous material. No UN code assigned. No placard

required for transportation

## 15. REGULATORY INFORMATION

### 15.1- Safety, health and environmental regulations/legislations specific for the substance

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006

## 16. OTHER INFORMATION

**Further Information** Konizma Construction Thermal Insulation Inc. Co. believes that the information in this Material Safety Data Sheet is accurate and represents the best and most current information available to us. However, we make no warranty of merchantability or any other warranty, expressed or implied, with respect to such information, and we assume no liability resulting from its use or misuse. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall be liable for any claims, losses or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if the company has been advised of the possibility of such damages.

**Approval date** May 19, 2015

**COUNTRY OF ORIGIN:** TURKEY