

SAFETY DATA SHEET

KEMATERM 228

Special adhesive and levelling compound of heat insulating panels

1. PREPARATION/SUBSTANCE IDENTIFICATION AND SUPPLIER DATA

Identification of substance or preparation:	KEMATERM 228
Application of substance or preparation:	Special adhesive and levelling compound of heat insulating panels
Supplier data:	KEMA PUCONCI, Kremen in Specialni Gradbeni Materiali, d.o.o. Puconci 109, 9201 Puconci T: 02 / 545 95 00 F: 02 / 545 95 10
Contact person:	e-mail: tadeja.lenart@kema.si
Emergency call number:	T: 02 / 545 95 34 F: 02 / 545 95 35

2. ASSESSMENTS ABOUT DANGEROUS CHARACTERISTICS

Danger for human:	Irritant (Xi). Irritating to eyes, respiratory system and skin. Cement is not toxic, volatile and does not burn. Prolonged contact with eyes and skin can cause irritation because of basic nature. Fine granularity cause dustiness (irritating respiratory system).
Danger for environment:	The product in dusty form is harmless for the environment. In contact with water reacts alkaline, prevent uncontrolled release after contact with water.

3. COMPOSITION/DATA ABOUT INGREDIENTS

Composition:	Quartz sand, filler, Portland cement, polymer powder, oxide pigments and additives.
Dangerous substances:	Portland cement EINECS no.: 266-043-4 CAS no.: 65997-15-1 Index no.: / Symbol: Xi R clauses: R36/37/38 Proportion: 25-50 % The full text for all R-Phrases are describe in chapter 16.

4. FIRST AID MEASURES

Inhalation:	Move to fresh air and seek medical service.
Contact with skin:	Immediately wash the skin with soap and water. Get medical attention if irritation persists after washing.
Contact with eyes/mucous membrane:	Immediately rinse the eyes with plenty of water. Get medical attention if irritation persists after washing.
Ingestion:	Immediately rinse mouth and provide fresh air. Get medical attention immediately and present declaration of the product.

5. MEASURES IN CASE OF FIRE

Extinguishing asset:	This product is not combustible.
Dangerous extinguishment assets:	/

6. MEASURES IN CASE OF ACCIDENTAL RELEASES

Danger for human:	Try to avoid dust and contact to skin (protective clothing and gloves), eyes (safety goggles) and respiratory organs (anty – dust mask).
Environment protection measures:	Do not allow uncontrolled contact with water. Avoid uncontrolled disposal, after contact with water, into canalization.
Cleaning procedure:	Mechanical, dry cleaning up.

7. HANDLIGN AND STORAGE

Handling:	Reduce dustiness. Wear personal protective equipment and clothing to avoid contact with skin and eyes.
Storage:	PE lined paper bags, closed wessels, moist protected silo.
Special uses:	Informations are not available.

8. EXPOSURE CONTROL/INDIVIDUAL PROTECTION

	Consider preventive safety measures defined by regulations about safety and health at work.
Exposure limit values:	CAS št.: 65997-15-1 Dangerous substance: Cement %-share: / MAK (ppm): 10
Exposure controls:	a) Occupational exposure controls: Precautions for safe handling: Personal protection equipment. Individual protection precautions: - Respiratory protection: Normally no respiratory protection is needed. In case of higher amount of dust in air anty dust mask is recommended. - Hand protection: Protective gloves. - Eye protection: Safety glasses. - Skin protection: Protective clothing. b) Environmental exposure controls: Non.

9. PHYSICAL AND CHEMICAL ATTRIBUTES

Appearance:	Powder
Smell:	Without specific smell
Color:	Gray
pH:	11-13,5 at 20°C (fully diluted)
Pour weight:	1,2 kg/dm ³

10. DURABILITY AND REACTIVITY

Conditions that should be avoided:	Prevent uncontrolled access of water and moisture.
Materials that should be avoided:	Not known.
Hazardous decomposition products:	Not known.

11. TOXICOLOGICAL INFORMATION

Toxicity:	Acute toxicity: According to its composition, this product should not be harmful in normal conditions of use.
Routes of exposure/symptoms:	- Skin contact: Irritant. - Eye contact: Irritant. - Ingestion: May cause discomfort if swallowed. - Inhalation: Irritating to respiratory system.

12. ECOLOGICAL INFORMATION

Toxicity for environment:	Do not allow product to reach ground water, water bodies or sewage system. No ecological studies are available. Harmful effects on man and environment are unknown and are not to be expected when application is in accordance with the instructions and the advice in this Safety Data Sheet. When handled properly and used as intended the product has no ecotoxic effects on the basis of our significant experience in ready-to-use cement motars and chemical building materials and the information available to us. WATER HAZARD CLASSIFICATION
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13. REMOVAL GUIDELINES

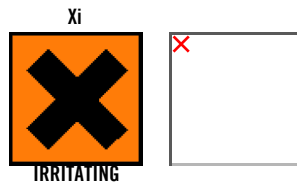
Substance/preparation:	When collected dry, suitable for further use. When reacted with water, remove as building waist.
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14. TRANSPORT INFORMATION

Safety measures:	Not classified as dangerous in the meaning of transport regulations.
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15. LEGALLY PRESCRIBED INFORMATIONS

Sign for danger:



R clauses:

R 36/37/38 – Irritating to eyes, respiratory system and skin.

S clauses:

S2 - Keep out of the reach of children.
S22 - Do not breathe dust.
S24 - Avoid contact with skin.
S25 - Avoid contact with eyes.
S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36 - Wear suitable protective clothing.
S37 - Wear suitable gloves.

According to regulations:

- Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006
- Chemicals Act (official gazette, number 110/2003, 47/2004, 16/2008)
- Rules on the classification, packaging and labelling of dangerous substances (official gazette, number 35/2005, 54/2007)
- Rules on the classification, packaging and labelling of dangerous preparations (official gazette, number 67/2005, 137/2006)
- Decree on waste management (official gazette, number 34/2008)
- Decree on the management of packaging and packaging waste (official gazette, number 84/2006, 106/2006, 110/2007)
- Decision on the publishing of the Annexes A and B to the European Agreement concerning the International Carriage of Dangerous Goods by Road (official gazette, number 9/2007)
- Rules on the protection of workers from risks related to exposure to chemical substances at work (official gazette, number 100/2001, 39/2005, 53/2007)

16. OTHER INFORMATION

The meaning of R-phrases
from 2 or 3 point safety data
sheet:

R 36/37/38 – Irritating to eyes, respiratory system and skin.

Source for safety data sheet:

Safety data sheet is harmonize with annex II Regulation (EC) No 1907/2006

The above information is based on our knowledge and experience and refer to the product in the state in what is delivered. The purpose of the information is to describe our product in relation to the safety requirements. Entries do not represent assurance the properties of the product in legal terms. Responsibility of the customer's is to know and take into account the legal provisions in relation to transport and use of the product. The characteristics of the product described in the technical information.