

EU-SAFETY DATA SHEET

in accordance with Regulation (EC) no. 1272/2008

KEMASAN 550

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

1.1 Product identifier

Trade name: KEMASAN 550

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

Recommended Use: Restoration plaster

1.3 Details of the supplier of the Safety Data Sheet:

KEMA d.o.o.,
Puconci 393, 9201 Puconci, Slovenija
T: +386 (0)2 545 95 00, F: +386 (0)2 545 95 10
Technical consulting: +386 (0)2 545 95 28, +386 (0)2 545 95 73
I: www.kema-on.net | E: info@kema.siE-mail address of person responsible
for Safety Data Sheets:

1.4 Emergency telephone number:

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Labelling according to Regulation (EC) No 1272/2008
[CLP]:

Other information: Xi Irritant

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 [CLP]

Pictograms:

Xi IRRITATING



Signal word:

Hazard statements:

R36/37/38 Irritating to eyes, respiratory system
and skin.

R43 May cause sensitisation by skin contact.

Precautionary statements:

S2 Keep out of the reach of children.

S26 In case of contact with eyes, rinse
immediately with plenty of water and seek
medical advice.S36/37 Wear suitable protective clothing and
gloves.

Supplemental Hazard information (EU):

Portland cement

2.3 Other hazards:

SECTION 3: Composition/information on ingredients

3.1 Substance:

3.2 Mixtures:

Description of the mixture: Mixture.

Hazardous ingredients:

Name	CAS No.	EC No.	Index No.	REACH Registration No.	% [weight]	Classification according to 67/548/EEC	Classification according to Regulation (EC) No 1278/2008 (CLP)
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Calcium hydroxide	1305-62-0			Xi	<10 %	R36/37/38 - 41	Skin Irrit. 2; H315 / STOT SE 3; H335 / Eye Dam. 1; H318
Portland cement	65997-15-1	266-043-4		Xi	10-40 %	R36/37/38	Skin Irrit. 2; H315 / Skin Sens. 1; H317 / STOT SE 3; H335 / Eye Irrit. 2; H319
Quartz (SiO ₂)	14808-60-7	238-878-4			40-80 %		

Other information:

The full text for all R-, H- phrases are describe in chapter 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General notes:	Move to fresh air and seek medical service.
Following inhalation:	
Following skin contact:	Immediately wash the skin with soap and water. Get medical attention if irritation persists after washing.
Following eye contact:	Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Subsequently consult a doctor.
Following ingestion:	Do not induce vomiting. Immediately rinse mouth and get medical attention immediately and present declaration of the product.
Self-protection of the first aider:	

4.2 Most important symptoms and effects, both acute and delayed:

4.3 Indication of any immediate medical attention and special treatment needed:

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: This product is not combustible. Use fire extinguishing methods suitable to surrounding conditions.

Unsuitable extinguishing media: /

5.2 Special hazards arising from the substance or mixture:

Hazardous combustion products: /

5.3 Advice for firefighters

Special protection equipment for fire fighters: /

Additional instructions: /

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Try to avoid dust and contact to skin (protective clothing and gloves), eyes (safety goggles) and respiratory organs (anty – dust mask). Ensure adequate ventilation.

For non-emergency personnel:

For emergency responders:

6.2 Environmental precautions:

Do not allow uncontrolled contact with water. Avoid uncontrolled disposal, after contact with water, into canalization.

6.3 Methods and material for containment and cleaning up:

For containment:

For cleaning up: Mechanical, dry cleaning up.

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Other information: /

6.4 Reference to other sections: See section 8 for information on personal protection equipment.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Protective measures: Avoid contact with the eyes and skin. Prevent formation of dust. Ensure good ventilation/exhaustion at the workplace.

Measures to prevent fire:

Measures to prevent aerosol and dust generation:

Measures to protect the environment:

Advice on general occupational hygiene:

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions: Store only in the original packaging.

Packaging materials: Keep away from foodstuffs, beverages and food.

Requirements for storage rooms and vessels:

Storage class: 13

Further information on storage conditions:

7.3 Specific end use(s): Informations are not available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

8.1.1 Occupational Exposure limit values

Component	CAS-No.	Value	Control parameters	Basis
65997-15-1 Portland cement		5 mg/m ³ - inhalable -TRGS 900		
14808-60-7 Quartz (SiO ₂)		0,15 mg/m ³ - respirable		

Information on monitoring procedures:

DNEL

Environmental protection target:

PNEC

8.2 Exposure controls

8.2.1 Appropriate engineering controls: Ensure good ventilation.

Substance/mixture related measures to prevent exposure during identified uses:

Structural measures to prevent exposure: Avoid contact with the eyes and skin. Wash hands before breaks and at the end of work.

Eye and face protection: Wear safety goggles with side protection if dust develops (EN 166) .

Skin protection: Protective work clothing.

Hand protection: Protective gloves (EN374).

Other skin protection: /

Respiratory protection: Wear dust mask FFP2 if dust forms (EN 143).

8.2.3 Environmental exposure controls: /

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SECTION 9: Physical and chemical attributes

9.1 Information on basic physical and chemical properties

Appearance:	Powder
Odour:	Without specific smell
Odour threshold:	/
pH:	11 - 13,5 at 20°C (fully diluted)
Melting point / freezing point:	/
Initial boiling point and boiling range:	/
Flash point:	/
Evaporation rate:	/
Flammability (solid, gas):	/
Upper/lower flammability or explosive limits	
Lower:	/
Upper:	/
Vapour pressure:	/
Vapour density:	/
Relative density:	1,33 kg/dm ³
Solubility(ies):	Mixable
Partition coefficient: n-octanol/water:	/
Auto-ignition temperature:	/
Decomposition temperature:	/
Viscosity:	/
Explosive properties:	Product is not explosive.
Oxidising properties:	/
Dry matter content:	/

9.2 Other Information:

SECTION 10: Stability and reactivity

10.1 Reactivity:	/
10.2 Chemical stability:	/
10.3 Possibility of hazardous reactions:	/
10.4 Conditions to avoid:	Prevent uncontrolled access of water and moisture.
10.5 Incompatible materials:	/
10.6 Hazardous decomposition products:	/

SECTION 11: Toxicological information

11.1 Information on toxicological effects:

Acute toxicity

Inhalation:	/
Ingestion:	/
Dermal:	/
Skin corrosion/irritation:	Irritant to skin and mucous membranes.
Serious eye damage/irritation:	Serious eye irritation.

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Respiratory or skin sensitisation:	May cause sensitisation by skin contact.
Germ cell mutagenicity:	/
Carcinogenicity:	/
Reproductive toxicity:	/
Summary of evaluation of the CMR properties:	/
STOT-single exposure:	/
STOT-repeated exposure:	/
Aspiration hazard:	Dusts could cause irritation to the upper respiratory system.
Other Information:	May cause sensitisation by skin contact.

SECTION 12: Ecological information

12.1 Toxicity:	/
Acute (short-term) toxicity:	/
Fish:	
Crustacea:	
Algae/aquatic plants:	
Other organisms:	/
Chronic (long-term) toxicity:	
Fish:	
Crustacea:	
Algae/aquatic plants:	
Other organisms:	
12.2 Persistence and degradability:	/
Abiotic Degradation:	/
Physical- and photo-chemical elimination:	/
Biodegradation:	
12.3 Bioaccumulative potential:	/
Partition coefficient n-octanol /water (log Kow):	
Bioconcentration factor (BCF):	/
12.4 Mobility in soil:	/
12.5 Results of PBT and vPvB assessment:	/
12.6 Other adverse effects:	/
12.7 Other information:	Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system. Alkaline reaktion with water.

SECTION 13: Disposal considerations

13.1 Waste treatment methods	
Product / Packaging disposal:	Do not disposed together with household garbage. Disposal must be made according to official regulations.
Waste codes / waste designations according to LoW:	EU waste no.: 10 13 11 wastes from cement-based composite materials other than those mentioned in 10 13 09 and 10 13 10 10 13 14 waste concrete and concrete sludge 17 01 07 mixtures of concrete, bricks, tiles and ceramics other than those mentioned in 17 01 06

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Waste treatment-relevant information:

Sewage disposal-relevant information:

Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning.

EU waste no.:

15 01 01 paper and cardboard packaging

Other disposal recommendations:

SECTION 14: Transport information

	ADR/RID	ADN/ADNR	IMDG	IATA
14.1 UN Number	/	/	/	/
14.2 UN proper shipping name				
14.3 Transport hazard class(es)				
14.4 Packing group				
14.5 Environmental hazards				
14.6 Special precautions for user				

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code":

/

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

EU regulations:

13

Authorisations and/or restrictions on use:

A Chemical Safety Assessment has not been carried out.

Other EU 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)

Information according 1999/13/EC about limitation of emissions of volatile organic compounds (VOC-guideline):

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Restrictions of occupation:

Water hazard class:

1 - slightly hazardous for water.

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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.

SECTION 16: Other Information

Relevant H-statements:

R 36/37/38 – Irritating to eyes, respiratory system and skin.
R41 Risk of serious damage to eyes.
R43 May cause sensitization by skin contact.

Relevant R-phrases:

H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.

Reason for change:

General revision.

Further information: