

**1. Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier****Erko-Plaster super hard**

CAS number: -  
EC number (EINECS/ELINCS): -  
EC index number: -  
REACH registration number: -

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

Identified uses of the substance or mixture: Plaster  
Not recommended uses of the substance or mixture: Other

**1.3 Details of the supplier of the safety data sheet****Manufacturer**

ERKODENT Erich Kopp GmbH  
Siemensstrasse 3

Telephone: 07445 8501 0  
Fax: 07445 2092

D 72285 Pfalzgrafenweiler

**Supplier**

ERKODENT Erich Kopp GmbH  
Siemensstrasse 3

Telephone: 07445 8501 0  
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**Information contact**

ERKODENT Erich Kopp GmbH

Information Telephone: 07445 8501 21

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E-mail (competent person): w.heuchert@erkodent.com

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**National contact**

ERKODENT Erich Kopp GmbH

Information Telephone: 07445 8501 0

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Website:

**1.4 Emergency telephone number**

ERKODENT Erich Kopp GmbH  
Only available during office hours.

Telephone: 07445 8501 0

**1.5 Dept. responsible for information**

Entwicklung +49 (0) 7445 8501-21

## 2. Hazards identification

### 2.1 Classification of the substance or mixture

Regulation (EC) No 1272/2008: -

Directive 67/548/EEC: -

### 2.2 Label elements

#### 2.2.1 Labelling according to Regulation (EC) No 1272/2008

Hazard pictograms:

Signal word: -  
H phrases: -  
P phrases: -

#### 2.2.2 Labelling according to Directive 67/548/EEC

Hazard symbols:

R phrases: -  
S phrases: -

### 2.3 Other hazards

This substance is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]. This substance is classified as not hazardous according to 67/548/EEC.

## 3. Composition/information on ingredients

### 3.1 Chemical characterization of the substance or mixture

Preparation related information

### 3.2 Composition of the substance or mixture

Substance:	EC-no.:	CAS-No.:	INDEX no.:	REACH-no.:	Concentration:	Classification: EC 1272/2008(CLP):	Classification: 67/548/EEC:
Calcium sulfate x 0,5 H <sub>2</sub> O		10034-76-1					

#### Ingredients with EC exposure limits

Substance:	EC-no.:	CAS-No.:	INDEX no.:	REACH-no.:	Concentration:	Classification: EC 1272/2008(CLP):	Classification: 67/548/EEC:
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(The wording of the listed risk phrases is given in Chapter 16)

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### 3.3 Additional information

none

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## 4. First aid measures

### 4.1 Description of first aid measures

**General information:** No special measures are necessary.  
**Following inhalation:** Provide fresh air. Seek medical attention if problems persist.  
**After skin contact:** After contact with skin, wash immediately with plenty of water and soap.  
**Following eye contact:** In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. In case of troubles or persistent symptoms, consult an ophthalmologist.  
**After ingestion:** Rinse mouth immediately and drink large quantities of water. Immediately get medical attention.  
**Self-protection:** First aid assistant: Pay attention to self-protection!

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

**Symptoms:** In all cases of doubt, or when symptoms persist, seek medical advice.  
**Nature of Hazard:** No information available.

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

**Emergency aid:** No information available.  
**Treatment:** No information available.

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## 5. Fire fighting measures

### 5.1 General information

Extinguishing materials should be selected according to the surrounding area.

### 5.2 Extinguishing media

**Suitable:** Carbon dioxide (CO<sub>2</sub>). Dry extinguishing powder. alcohol resistant foam. Water fog.  
**Unsuitable:** No information available.

### 5.3 Special hazards arising from the substance or mixture

Can be released in case of fire:

### 5.4 Advice for fire fighters

#### Special protective equipment for fire-fighters

Extinguishing materials should be selected according to the surrounding area.

#### Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

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## 6. Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Avoid generation of dust. Wear personal protection equipment.

### 6.2 Environmental precautions

No special environmental protection measures are necessary.

### 6.3 Methods and materials for containment and cleaning up

Allow stiffening. Collect mechanically.

### 6.4 References to other sections

Treat the recovered material as prescribed in the section on waste disposal.

## 7. Handling and storage

### 7.1 Precautions for safe handling

#### Information for safe handling

Avoid generation of dust. Dust must be vacuumed up immediately at the place it occurs.

#### Technical measures

Use extractor hood (laboratory). Keep the packing dry and well sealed to prevent contamination and absorption of dampness.

#### Precautions against fire and explosion

No special fire protection measures are necessary.

#### Additional information

none

### 7.2 Conditions for safe storage, including any incompatibilities

#### Technical measures and storage conditions

Keep the packing dry and well sealed to prevent contamination and absorption of dampness.

#### Packaging materials

Keep/Store only in original container.

#### Requirements for storerooms and containers

Store in a dry place.

#### Information about storing together in storage facility

No special precautionary measures are necessary.

#### Further information concerning storage conditions

Always close containers tightly after the removal of product.

#### Storage class:

### 7.3 Specific end use(s)

Observe instructions for use.

## 8. Exposure controls / personal protection

### 8.1 Control parameters

#### 8.1.1 Limits for occupational exposure

##### Exposure limit values

Substance:	CAS-No.:	Source:	Occupational exposure limit value:	Limitation of exposure peaks:	Remark:

**EC exposure limit values**

Substance:	CAS-No.:	Source:	Occupational exposure limit value:	Limitation of exposure peaks:	Remark:
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**8.1.2 DNEL and PNEC values****DNEL-values**

Substance:	CAS-No.:	DNEL/DMEL	Industry	Professional	consumer
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**PNEC-values**

Substance:	CAS-No.:	PNEC	Worker, industry	Worker, professional	consumer
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**8.1.3 Control-Banding****Control-Banding**

none

**8.1.4 Additional information**A: alveolar fraction 1,25 mg/m<sup>3</sup>**8.2 Exposure controls****Occupational exposure controls**

Technical ventilation of workplace In case of insufficient ventilation, wear suitable respiratory equipment.

**Chemical handling**

Do not eat, drink, smoke or sneeze at the workplace. Wash hands before breaks and at the end of work.  
Take off immediately all contaminated clothing.

**Personal protection equipment**

Minimum standard for preventive measures while handling with working materials are specified in the TRGS 500.

**Respiratory protection**

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.

**Hand protection**

Dand protection Protect skin by using skin protective cream.

**Eye protection**

Dust protection goggles.

**Skin protection**

Protective clothing

**Environmental exposure controls**

refer to chapter 7. No further action is necessary.

**Consumer exposure controls**

refer to chapter 7. No further action is necessary.

**8.3 Exposure scenario**

none

**9. Physical and chemical properties****9.1 Information on basic physical and chemical properties**

**Appearance**

**State of matter:** Powder solid  
**Colour:** white  
**Odour:** odourless  
**Odour threshold:** not applicable

**Safety relevant basis data**

	Parameter	Value	Unit	Remark
<b>Density:</b>		2,6	g/cm <sup>3</sup>	
<b>Package density:</b>		1100 - 1200	kg/m <sup>3</sup>	
<b>pH:</b>		4 - 8		Suspension
<b>Melting point / range:</b>		>1400	°C	
<b>Boiling temperature / range:</b>				not determined
<b>Flash point:</b>				not applicable
<b>Flammability:</b>				not applicable
<b>Lower flammability limit:</b>				not applicable
<b>Upper flammability limit:</b>				not applicable
<b>Explosion hazard:</b>				not explosive.
<b>Lower explosion limit:</b>				not applicable
<b>Upper explosion limit:</b>				not applicable
<b>Ignition temperature:</b>				none Risk of selfignition.
<b>Decomposition temperature:</b>				not determined
<b>Oxidizing characteristics:</b>				none/none
<b>Vapour pressure:</b>				not applicable
<b>Relative vapour density:</b>				not applicable
<b>Speed of vaporization/evaporation rate:</b>				not applicable
<b>Solubility in water:</b>		ca. 2	g/l	
<b>Fat solubility:</b>				not determined
<b>Solubility in log P O/W (n-octanol / water):</b>	:			not determined
<b>Viscosity:</b>				not applicable
<b>Solvent separation test:</b>				not applicable
<b>Solvent content:</b>				not applicable

**9.2 Other information**

No information available.

**10. Stability and reactivity****10.1 Reactivity**

No risks worthy of mention. No data available

**10.2 Chemical stability**

Thermal decomposition

**10.3 Possibility of hazardous reactions**

none none

**10.4 Conditions to avoid**

No information available.

**10.5 Incompatible materials**

No information available.

## 10.6 Hazardous decomposition products

Sulphur trioxide.

## 10.7 Additional information

none

## 11. Toxicological information

### 11.1 Information on toxicological effects

Data apply to the principal component.

#### Acute toxicity

Substance:	CAS-No.:	Toxicological information
Calcium sulfate x 0,5 H <sub>2</sub> O	10034-76-1	LD50: oral >2000 mg/kg (rat)

#### Specific symptoms in laboratory animals

Toxicological data are not available.

### 11.2 Irritation and etching

#### Irritant effect on the skin

none

#### Irritant effect on the eye

mild irritant.

#### Irritant effect on the respiratory tract

No information available.

#### Etching

not corrosive

### 11.3 Sensitization

No symptoms known up to now.

### 11.4 Repeated dose toxicity

Toxicological data are not available.

### 11.5 CMR effects

#### Carcinogenicity

No indications of human carcinogenicity exist.

#### Mutagenicity

No indications of human germ cell mutagenicity exist.

#### Reproductive toxicity

No indications of human reproductive toxicity exist.

### 11.6 General remarks

No information available.

#### Practical experience

No information available.

#### Other observations

No information available.

#### Additional information

Data arise from reference works and literature.

## 12. Ecological information

### 12.1 Toxicity

There are no data available on the mixture itself.

#### Eco toxicity

Substance:	CAS-No.:	Ecotoxicity

### 12.2 Persistence and degradability

According to experiences this product is inert and not degradable.

### 12.3 Bio accumulative potential

No indication of bio-accumulation potential.

### 12.4 Mobility in soil

There are no data available on the mixture itself.

### 12.5 Results of PBT and vPvB assessment

not applicable

### 12.6 Other adverse effects

There are no data available on the mixture itself.

### 12.7 Further ecological information

There are no data available on the mixture itself.

### 12.8 Further details

none

## 13. Disposal considerations

### 13.1 Waste treatment methods

#### Appropriate disposal/Product

Can be disposed of on a rubbish tip for household waste.

#### Appropriate disposal/ packaging

Waste disposal according to official state regulations.

#### Control report for waste code/ waste marking according to EAKV

Dispose of waste according to "Kreislaufwirtschafts- und Abfallgesetz (KrW-/AbfG)".

**Waste key product:** 06 03 14 - feste Salze und Lösungen mit Ausnahme derjenigen, die unter 06 03 11 und 06 03 13 fallen

**Waste key packaging:**

#### Remark

Waste disposal according to official state regulations.

## 14. Transport information

### 14.1 Overland transport (ADR/RID)



**Proper Shipping name****UN No.:****Label:****Packing Group:****Classification code:****Remark:**

Not a hazardous material with respect to these transportation regulations.

**14.2 Transport by sea (IMDG)****Proper Shipping name****UN-No.:****Label:****EmS-No:****Special Provisions:****Remark:****Packing Group:****MFAG:****Marine pollutant:**

Not a hazardous material with respect to these transportation regulations.

**14.3 Air transport (ICAO-TI / IATA-DGR)****Proper Shipping name****UN/ID-No.:****Label:****Remark:****Packing Group:**

Not a hazardous material with respect to these transportation regulations.

**14.4 Mail**

Not a hazardous material with respect to these transportation regulations.

**15. Regulatory information****15.1 Labelling****Hazardous component(s) for labelling****Special labelling of particular preparations**

No label required according to 1999/45/EC, annex V B, No. 9.

**15.2 Safety, health and environmental regulations/legislation specific for the substance or mixture****EU-Regulations****Directive 1999/13/EC on the limitation of emissions of volatile organic compounds (VOC-RL)**  
none**Regulation (EC) No 2037/2000 on substances that deplete the ozone layer**  
none**Regulation (EC) No 850/2004 on persistent organic pollutants**  
none**Regulation (EC) No 689/2008 concerning the export and import of dangerous chemicals**  
none**Regulation (EC) No 648/2004 (Detergents regulation)**  
none**Restrictions under Title VIII of Regulation (EC) No 1907/2006**

none

**National regulations**

Moreover, national legislation has to be observed!

**Informations on working limitations**

none

**Major Accidents Ordinance**

Not subject to StörfallVO.

**Storage class according to VCI****Water Hazard Class according to VwVwS**

1 weak water pollutant (WGK 1)

**Technical Instructions on Air Quality Control (TA-Luft)**

No information available.

**Further regulations, limitations and legal requirements**

No information available.

**15.3 Chemical safety assessment**

**For this preparation a chemical safety assessment has been carried out:**

For this substance a chemical safety assessment has not been carried out.

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**16. Other information****16.1 Wording of the H and R-phrases under paragraph 3**

Regulation (EC) No 1272/2008

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Directive 67/548/EEC

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**16.2 Training instructions**

none

**16.3 Recommended restrictions of use**

none

**16.4 Further remarks**

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

**16.5 Documentation of changes**

\* Data changed from previous versions

**16.6 Data sources**

Data arise from reference works and literature.

## **16.7 Key and definition**

Wording of the r-phrases under paragraph 3:

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## **17. Appendix**

### **17.1 Exposure scenario**

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