

# Safety Data Sheet

according to regulation (EU) No. 1907/2006

Rev. 2014-10

## 1. Identification of the substance/preparation and of the company/undertaking

### Information on the product

**Trade name:** picodent alabaster

#### Company/undertaking identification:

picodent GmbH  
Lüdenscheider Str. 24-26  
D-51688 Wipperfürth

www.picodent.de  
Telephone-No. +49 2267 6580-0  
Fax-No. +49 2267 6580-30

#### Responsible Department:

picodent GmbH  
Lüdenscheider Str. 24-26  
D-51688 Wipperfürth

www.picodent.de  
Telephone-No. +49 2267 6580-0  
Fax-No. +49 2267 6580-30

#### Emergency telephone:

picodent GmbH, Wipperfürth

Telephone-No. +49 2267 6580-0

## 2. Hazards identification

### Description of hazard:

This material will harden and become very hot, when mixed with water.  
Avoid skin contact and do not attempt to make a cast enclosing any part of the body. If these instructions are not followed, severe burns could result leading to surgical removal of the affected skin or even amputation of the limb.

### Additional guidelines concerning for humans and the environment:

NONE

## 3. Composition/information on ingredients

### Chemical Composition:

Mixtures of calcium sulphate with other additives  
CaSO<sub>4</sub> x n H<sub>2</sub>O ( n = 0 , ½ , 2 )  
CAS-Nr.: 7778-18-9 Calcium sulphate

### Dangerous Substances:

NONE

### Additional Guidelines:

Calcium sulphate has not to be labelled according to EU-directives and the regulation on hazardous substances

CAS-No	Chemical Formula	Content	Limit Concentration in the Air
7778-18-9	CaSO <sub>4</sub>	> %85	Max. Value (*) 6mg/m <sup>3</sup>

(\*) maximum admissible concentrations at the workplace (TRGS 900 / Germany)

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## 4. First aid measures

No particular measures required.

<b>Ingestion:</b>	Drink plenty of water and consult doctor.
<b>Inhalation:</b>	Remove person to fresh air.
<b>Skin Contact:</b>	Wash the skin with water and soap.
<b>Eye contact:</b>	Wash out with plenty of water and consult doctor.
<b>Notice for the doctor:</b>	None

## 5. Fire-fighting measures

<b>Suitable Quenching Agents:</b>	All quenching agents are suitable, product itself is not combustible.
<b>Unsuitable Quenching Agents:</b>	NONE
<b>Special exposure hazards arising from dust, combustion or gas development:</b>	at temperatures >1200°C sulphur trioxide will be produced
<b>Special Protective Equipment:</b>	NONE
<b>Additional notice:</b>	In contact with water product will harden. Product does not burn itself

## 6. Accidental release measures

<b>Personal Precaution measures:</b>	Avoid dust.
<b>Environmental protection measures:</b>	None
<b>Procedure for cleaning / absorption:</b>	Mechanical pick up, pick up dry

## 7. Handling and storage

<b>Handling:</b>	No particular measures required if used correctly. Avoid eye contact.
<b>Storage:</b>	Store in a dry place. BREF: "Emission from storage or bulk or dangerous materials"

## 8. Exposure controls/personal protection

### Components with work-place related limits to be monitored

CAS-No	Chemical Formulation	Limits (TRGS 900, Germany)
7778-18-9	CaSO <sub>4</sub>	MAK Value 6mg/m <sup>3</sup>

<b>Personal Protective Equipment:</b>	Protective glasses.
<b>Respiratory Protection:</b>	Maintain the general maximum admissible concentration in the work place (6 mg/m <sup>3</sup> ). In case of strong dust emission wear respiratory filters type FFP 1.

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## 9. Physical and chemical properties

### Physical Properties:

Appearance:	white-grey powder
Odour:	characteristic
pH:	approx. 7-8 ( 10g / 100ml distilled water )
Thermal decomposition of gypsum	into CaSO <sub>4</sub> and H <sub>2</sub> O above ~140°C (413 K) into CaO and SO <sub>3</sub> above ~1200°C (1473 K)
Density	Approx. 2,5 - 3 g/cm <sup>3</sup>
Solubility	Approx. 8 g/l (H <sub>2</sub> O)
Non-combustible.	

## 10. Stability and reactivity

Stable at ambient temperatures and under normal use conditions.  
When working at temperatures over 1200 degree Centigrade hazardous sulphuric trioxide can develop.

## 11. Toxicological information

Non Toxic

## 12. Ecological information

Negative ecological effects are unknown.

## 13. Disposal considerations

The Product:	Waste Disposal No.: 10 12 06 (European Waste Catalogue)
Contaminated Packaging:	Dispose of empty bags according to the local regulations.

## 14. Transport information

Not regulated by national or international transportation regulations.

## 15. Regulatory information

Labelling According to EU - directives:	Calcium sulphate does not require labelling Directive 67/ 548 Preparation does not require labelling Directive 1999 / 45 / EC
Occupational Exposure Standards:	Calcium sulphate does not have a specific OES. It is recommended that the OES for calcium sulphate of 6 mg / m <sup>3</sup> respirable dust in an 8 hour reference period is used.

## 16. Other information

All information provided based on our latest knowledge and described the product only with regard to safety requests.