



SAFETY DATA SHEET

91/155/EEC

Datename: ISO / Sicherheitsdatenblätter 2000

date for printing: 05/02/04

Side 1/4

revised: 12.02.2001

Von bester Qualität

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

Product information

Calcium sulphate hemihydrate

Modellgips - *Finest Modelling Plaster of Paris*

Manufacturer/supplier

Hilliges Gipswerk GmbH & Co. KG

Hüttenweg 1

37520 Osterode

62050

62 051

Emergency information

In case of emergency: same as address

Emergency number

Tel.: 0 55 22 / 990 - 90

Fax.: 0 55 22 / 990 - 990

2. Composition/information on ingredients

Chemical properties (component substances)

calcium sulphate hemihydrate

CaSO₄ · ½ H₂O

CAS-No. 7778-18-9

Dangerous contents

none

Additional guidelines

calcium sulphate has not to be labelled according to EU-directives and the regulation on hazardous substances (Gefahrstoffverordnung, Germany)

CAS-No.

chemical formula

content

limit (TRGS 900, Germany)

7778-18-9

CaSO₄

> 85 %

MAK value*

6 mg/m³

*maximum admissible concentrations in the workplace

3. Hazards identification

Description of dangers

not applicable

Special guidelines concerning dangers to humans and the environment

none



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4. First-aid measures

No particular measures required.

If substance has been swallowed

Have patient drink plenty of water and consult doctor.

If eye contact

Wash out with plenty of water.

5. Fire-fighting measures

Suitable quenching agents

All suitable quenching agents, product itself is not combustible.

Unsuitable quenching agents

none

Particular danger caused by material, its combustion products or gases produced

none

Special protective equipment

none

Supplementary information

product hardens in contact with water

6. Accidental release measures

Procedure for cleaning / absorption

absorb mechanically, take up in a dry state

7. Handling and storage

Handling

No particular measures required if used correctly.

Storage

Store in a dry place.

Storage class VCI 13 / non-combustible solid substance

8. Exposure controls/personal protection

Components with work-place related limits to be monitored

CAS-No. chemical formula

7778-18-9 CaSO₄

limit (TRGS 900, Germany)

MAK value 6 mg/m³

Personal protective equipment

Measures for general protection and hygiene.



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Respiratory protection

Maintain the general maximum admissible concentration in the work place (6 mg/m³)
In case of strong dust emission wear respiratory filters P1 or FFP1.

9. Physical and chemical properties

Form: Powder Colour: white, white-beige, light-grey, yellow
Odour: odourless Change of state: not applicable

Thermal decomposition of gypsum:
into CaSO₄ and H₂O above approx. 140°C (413 K)
into CaO and SO₂ above approx. 1000°C (1273 K)

Flammability:	not applicable	Ignition temperature:	not applicable
Spontaneous ignition:	not applicable	Danger of explosion:	not applicable
Oxidizing properties:	none	Vapour pressure:	not applicable

Density: CaSO₄ · x H₂O (x = 0, ½, 2) : 2,31 - 2,97 g/cm³

Settled apparent density: approx. 0,610 kg/l

solubility: approx. 2 g/l (H₂O)

pH value: not applicable as supplied

Remark: Product is not combustible.

10. Stability and reactivity

Conditions to be avoided
no dangerous reactions are known to occur

Substances to be avoided
none known

Dangerous products of decomposition
none

11. Toxicological information

Acute toxicity
not toxic

12. Ecological information

To date product has not been known to cause detrimental eco-toxic effects.

13. Disposal considerations

Product

waste disposal as "gypsum based construction materials"
waste disposal No.: 17 01 04 (European Waste Catalogue)

waste disposal as "mixed construction and demolition waste"
waste disposal No.: 17 07 01 (European Waste Catalogue)

Contaminated packaging

Contaminated containers: contact manufacturer.
Contaminated bags or other packaging should ideally be emptied;
it then can be recycled after having been decontaminated.



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14. Transport information

Not regulated by national or international transportation regulations.

15. Regulatory information

Labelling according to EU-directives

Calcium sulphate is not to be labelled according to directive 67/548/EEC
(adapted to technical progress by directive 98/95/EC)

Preparation is not to be labelled according to directive 88/379/EEC
(adapted to technical progress by directive 93/16/EEC)

National regulations

Germany

Calcium sulphate is not to be labelled by the regulation on hazardous substances
Gefahrstoffverordnung (GefStoffV).

TRGS 900: CaSO₄ MAK value = 6 mg/m³

Calcium sulphate: Water pollution class (WGK) = 1
Code 325, listed substance VwVwS, 17.05.1999 (BAnz. 98a, 29.05.1999)

16. other information

This information is based on today's state of knowledge.
It describes the product exclusively in view to safety requirements and do not guarantee any assurance of characteristics of the described product.

It may be neither modified nor transmitted to other products.
The indicated limit values are taken from the lists valid during the set-up (e. g. TRGS 900).