

M13 Calcium Sulphate (Flowing Screed Binder)

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

Chemical Nature : M13 Calcium Sulphate (Flowing Screed Binder)
Company : The Energy Saving Screed Co Ltd
Old Mill Quarry,
Beith,
Ayrshire KA15 1HY
Tel : 01372 842 102
Fax : 01372 842 682

2. Composition/information on ingredients

Chemical properties (component substances)

CAS-No.	Chemical name	Chemical formula	Content %	LimitMAK value*
7778-18-9	Calcium sulphate (Alpha-hemihydrate)	$\text{CaSO}_4 \cdot \frac{1}{2} \text{H}_2\text{O}$	> 95 %	6 mg/m ³
65997-15-1	Cement	Portland-Cement-Clinker	< 5%	R 36, 38, 43 6 mg/m ³ * maximum admissible concentration in the workplace

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

3. Hazards identification

Description of danger: not applicable

Special guidelines concerning dangers to humans and the environment: none

4. First-aid measures

no particular measures required

if substances 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

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 limit	(TRGS 900)
7778-18-9	CaSO ₄ -1/2-Hydrate	MAK value 6 mg/m ³
65997-15-1	Cement	MAK value 6 mg/m ³

Personal protective equipment: Measures for general protection and hygiene

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

Eye protection: in case of splash danger use safety glasses

9. Physical and chemical properties

Form: powder

colour: white-beige

odour: odourless

change of state: not applicable

Thermal decomposition of gypsum into

CaSO₄ and H₂O above approx: 140°C (413 K)

into CaO and SO₃ above approx: 700°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: ca. 2,75 g/cm³

Settled apparent density: ca. 1,2 kg/dm³

solubility approx: 9 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.

14. Transport information

Not regulated by national or international transportation regulations.

15. Regulatory information

Labelling according to EU-directives

R38 Irritating to skin.

R41 Risk of damage to eyes.

R43 May cause sensitisation on skin contact.

S24 Avoid skin contact.

S25 Avoid contact with eyes.

S26 If contact with eyes rinse immediately with clean water and seek medical care.

Calcium sulphate is not to be labelled according to directive 67/548/EEC

(adapted to technical progress by directive 98/98/EC)

Preparation is not to be labelled according to directive 88/379/EEC (adapted to technical progress by directive 93/18/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

The specification is based on the current status of our knowledge. They describe the product exclusive regarding safety requirements and represents no warranty of the product described by characteristics. The indicates limit values are taken from the list valid during the preparation (e.g. TRGS 900).