

## ECOSCREED CEMENTITIOUS PRODUCTS

Ecoscreed - Ecoscreed 24 Cement - Ecoscreed 24 Leveller - Ecoscreed TA1,TA2 & TA  
RAPID Tile Adhesive - Ecoscreed TG1,2 & 3 Tile Grout

DATE: 1st January 2003

### 1. Substance/Preparation & Company Identification

*Chemical Nature* : Cementitious  
*Company* : Ecoscreed Limited  
Old Mill Quarry,  
Beith,  
Ayrshire KA15 1HY  
*Tel* : 01372 842 102  
*Fax* : 01372 842 682

### 2. Composition/Information on Ingredients

*Composition*: Dry pack powder products which contain less than 25% Portland cement mixed with organic additives and inorganic fillers not classified as hazardous

### 3. Hazard Identification (Hazard designation not classified under current regulations)

As with all cement products the ECOSCREED cementitious products are alkaline.

*Inhalation* : Dust will be harmful to respiratory tract. WEAR DUST MASK WHILST HANDLING MATERIALS

*Eye Contact* : Dust will irritate eyes and may cause alkali burns. WEAR PROTECTIVE GOGGLES

*Skin Contact* : May cause alkali burns or sensitization by skin contact. WEAR GLOVES AND OVERALLS

### 4. First Aid Measures

Note: **TREAT LIKE CHEMICAL BURNS**

*Inhalation* : Provide fresh air, seek medical advice if systems persist.

*Eye Contact* : Flush eyes with copious running water for several minutes. If symptoms severe seek medical attention.

*Skin Contact* : Remove contaminated clothing immediately and rinse affected skin with copious amounts of water

### 5. Fire Fighting Measures

*Suitable extinguishing Media* : Carbon Dioxide, Water Spray or jet

### 6. Accidental Release Measures

The materials are not dangerous if released

*Personal Precautions* : Avoid skin and eyes contact. Provide dust masks and sufficient ventilation / extraction during use

*Environmental Precaution* : Prevent from entering sewer system, surface water or soil

*Methods of Cleaning* : Collect spillages by mechanical means ie Vacuum cleaning to minimise dusting

## **7. Handling & Storage**

*Handling* : Use in well ventilated areas. Avoid dust formation. Avoid contact with eyes and skin. Take appropriate care when moving 1 tonne pallets and lifting individual 25kg bags. Do not stack pallets more than two high

*Storage* : Keep in dry environment

## **8. Exposure Control & Personal Protection**

*Exposure control limits* : Ensure good ventilation and minimize dusting during mixing procedures

*Hand Protection* : Protective gloves of PVC or rubber

*Eye Protection* : Full face positive displacement mask or safety goggles

*Skin Protection* : Complete overall and gloves

*Respiratory Protection* : DUST FILTER MASK OR POSITIVE AIR DISPLACEMENT MASK

## **9. Physical & Chemical Properties**

*Appearance* : Powder

*Colour* : Grey or White depending on product

*State* : Solid

*pH* : 11.0

*Relative Density* : 1.200 to 1.800 gm/cc<sup>3</sup>

*Solubility in Water* : Sparingly soluble

## **10. Stability & Reactivity**

*Thermal Decomposition* : Not applicable under normal conditions

*Conditions to Avoid* : Frost, contact with reactive materials ie Acids

*Materials to Avoid* : Acids, Strong Oxidizing Agents

## **11. TOXICOLOGY INFORMATION**

Not applicable under current regulations

## **12. ECOLOGICAL INFORMATION**

Prevent contamination of soil, drains or surface water. No results from eco-toxicological test are available

## **13. DISPOSAL CONSIDERATION**

Dispose of all empty packaging and bags at locations authorized to accept construction waste  
Recycle pallets

## **14. TRANSPORT INFORMATION**

Not classified as hazardous for transport purposed

## **15. REGULATORY INFORMATION**

Products not subject to identification under the current EC Directives and regulations for Hazardous Materials

## **16. OTHER INFORMATION**

- Treat as a cement product
- As with any 25kg packaged product care should be taken when moving and lifting bags and

or pallets  
- Do not stack pallets more than two levels high.

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## 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 <sup>3</sup>
65997-15-1	Cement	Portland-Cement-Clinker	< 5%	R 36, 38, 43 6 mg/m <sup>3</sup> * 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

<b>CAS-No.</b>	<b>Chemical formula limit</b>	<b>(TRGS 900)</b>
7778-18-9	CaSO <sub>4</sub> -1/2-Hydrate	MAK value 6 mg/m <sup>3</sup>
65997-15-1	Cement	MAK value 6 mg/m <sup>3</sup>

*Personal protective equipment:* Measures for general protection and hygiene

*Respiratory protection:* 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 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**

*CaSO<sub>4</sub> and H<sub>2</sub>O above approx: 140°C (413 K)*

*into CaO and SO<sub>3</sub> 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/cm<sup>3</sup>

*Settled apparent density:* ca. 1,2 kg/dm<sup>3</sup>

*solubility approx:* 9 g/l (H<sub>2</sub>O)

*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: CaSO<sub>4</sub> MAK value = 6 mg/m<sup>3</sup>

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