



## Safety data sheet

### according to 1907/2006/EC, Article 31

Printing date 18.08.2014

Version number 10

Revision: 18.08.2014

#### SECTION 1: Identification of the substance/mixture and of the company/undertaking

- **1.1 Product identifier**
- **Trade name: KEIM Fine-Finishing-Mortar (Concretal-Feinspachtel)**
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- **Application of the substance / the mixture**  
Dry mortar to be mixed with water and then used as a fine filler indoors and outdoors.
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
KEIM MINERAL PAINTS LTD  
Santok Building  
Deer Park Way  
Donnington Wood  
Telford  
Shropshire  
TF2 7NA  
United Kingdom  
Tel: +44 1952 231250  
Fax: +44 1952 231251  
Url: <http://www.keimpaints.co.uk>
- **Further information obtainable from:**  
David Pratt  
Telefon: +44 1952 231250  
E-Mail: [sales@keimpaints.co.uk](mailto:sales@keimpaints.co.uk)
- **1.4 Emergency telephone number:**  
GBK Gefahrgut Büro GmbH  
Emergency number: +49(0)6132/84463

#### SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**  
Eye Dam. 1 H318 Causes serious eye damage.  
Skin Irrit. 2 H315 Causes skin irritation.  
STOT SE 3 H335 May cause respiratory irritation.
- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**  
Xi; Irritant  
R37/38-41: Irritating to respiratory system and skin. Risk of serious damage to eyes.
- **Classification system:**  
The classification is according to the latest editions of the EU-lists, and extended by company and literature data.
- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**  
The product is classified and labelled according to the CLP regulation.

(Contd. on page 2)

GB



## Safety data sheet

### according to 1907/2006/EC, Article 31

Printing date 18.08.2014

Version number 10

Revision: 18.08.2014

**Trade name: KEIM Fine-Finishing-Mortar (Concretal-Feinspachtel)**

(Contd. of page 1)

· **Hazard pictograms**



GHS05 GHS07

· **Signal word** Danger

· **Hazard-determining components of labelling:**

Cement, portland, chemicals  
calcium oxide

· **Hazard statements**

H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H335 May cause respiratory irritation.

· **Precautionary statements**

P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P271 Use only outdoors or in a well-ventilated area.  
P261 Avoid breathing dust.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P315 Get immediate medical advice/attention.  
P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P302+P352 IF ON SKIN: Wash with plenty of soap and water.  
P332+P313 If skin irritation occurs: Get medical advice/attention.  
P362 Take off contaminated clothing and wash before reuse.

· **2.3 Other hazards**

This Product contains cement. Cement produces an alkaline reaction with moisture or water. Avoid contact with eyes and prolonged skin contact.

· **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.
- **vPvB:** Not applicable.

### SECTION 3: Composition/information on ingredients

· **3.2 Mixtures**

· **Description:** Portland-cement, calcium oxide, aggregate and additives.

· **Dangerous components:**

CAS: 65997-15-1 EINECS: 266-043-4	Cement, portland, chemicals ☒ Xi R37/38-41 ☒ Eye Dam. 1, H318; ☒ Skin Irrit. 2, H315; STOT SE 3, H335	25-50%
CAS: 1305-78-8 EINECS: 215-138-9	calcium oxide ☒ Xi R41 ☒ Eye Dam. 1, H318	≤ 2.5%

· **Additional information:** For the wording of the listed risk phrases refer to section 16.

GB

(Contd. on page 3)



## Safety data sheet according to 1907/2006/EC, Article 31

Printing date 18.08.2014

Version number 10

Revision: 18.08.2014

**Trade name: KEIM Fine-Finishing-Mortar (Concretal-Feinspachtel)**

(Contd. of page 2)

### SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **General information:**  
When seeing the doctor we suggest to present this safety data sheet.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:**  
Wash off immediately with water and soap and rinse well afterwards.  
If skin irritation continues, consult a doctor.
- **After eye contact:**  
Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing:**  
Rinse out mouth and then drink plenty of water.  
Do not induce vomiting; call for medical help immediately.
- **4.2 Most important symptoms and effects, both acute and delayed**  
No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

### SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:**  
Product itself does not burn. Co-ordinate fire-fighting measures to the fire surroundings.
- **5.2 Special hazards arising from the substance or mixture**  
No further relevant information available.
- **5.3 Advice for firefighters**
- **Protective equipment:** Wear self-contained respiratory protective device.
- **Additional information**  
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.  
In case of fire do not breath smoke, fumes and vapours.

### SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**  
Avoid contact with skin and eyes.  
Avoid formation of dust.  
Ensure adequate ventilation  
Use respiratory protective device against the effects of fumes/dust/aerosol.  
Respect the protection rules (see section 7 a. 8).  
Product forms slippery surface when combined with water.
- **6.2 Environmental precautions:**  
Do not allow product to reach soil, sewage system or any water course.  
Follow local governmental rules and regulations.
- **6.3 Methods and material for containment and cleaning up:**  
Close drainages (Risk of blocking)  
Danger of slipping!  
Avoid formation of dust.  
Ensure adequate ventilation.

(Contd. on page 4)



## Safety data sheet according to 1907/2006/EC, Article 31

Printing date 18.08.2014

Version number 10

Revision: 18.08.2014

**Trade name: KEIM Fine-Finishing-Mortar (Concretal-Feinspachtel)**

(Contd. of page 3)

- Pick up mechanically.
- Dispose of the material collected according to regulations.
- Clear contaminated areas thoroughly.
- **6.4 Reference to other sections**
  - See Section 7 for information on safe handling.
  - See Section 8 for information on personal protection equipment.
  - See Section 13 for disposal information.

### SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
  - Avoid contact with skin and eyes.
  - Keep receptacles tightly sealed.
  - Prevent formation of dust.
  - Ensure good ventilation/exhaustion at the workplace.
  - Any unavoidable deposit of dust must be regularly removed.
  - See item 8 for information about suitable protective equipment and technical precautions.
  - Respect the protection rules.
- **Information about fire - and explosion protection:**
  - The product is not flammable.
  - No special measures required.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**
  - Keep in the original containers in a cool and dry place.
  - Store only in unopened original receptacles.
- **Information about storage in one common storage facility:**
  - Do not store together with acids.
- **Further information about storage conditions:**
  - Store in dry conditions.
  - Protect from humidity and water.
  - Avoid dust formations and deposits.
  - Keep container tightly sealed.
  - Protect from heat and direct sunlight.
- **Storage class:** 13
- **7.3 Specific end use(s)** No further relevant information available.

### SECTION 8: Exposure controls/personal protection

- **8.1 Control parameters**

- **Ingredients with limit values that require monitoring at the workplace:**

**65997-15-1 Cement, portland, chemicals**

WEL	Long-term value: 10* 4** mg/m <sup>3</sup> *inhalable dust **respirable dust
-----	---

**1305-78-8 calcium oxide**

WEL	Long-term value: 2 mg/m <sup>3</sup>
-----	--------------------------------------

- **Additional information:** The lists valid during the making were used as basis.

(Contd. on page 5)

GB



## Safety data sheet

### according to 1907/2006/EC, Article 31

Printing date 18.08.2014

Version number 10

Revision: 18.08.2014

**Trade name: KEIM Fine-Finishing-Mortar (Concretal-Feinspachtel)**

(Contd. of page 4)

- **8.2 Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
  - Vacuum clean contaminated clothing. Do not blow or brush off contamination.
  - Keep away from foodstuffs, beverages and feed.
  - Immediately remove all soiled and contaminated clothing
  - Wash hands before breaks and at the end of work.
  - Avoid contact with the eyes and skin.
  - Do not inhale dust / smoke / mist.
- **Respiratory protection:**
  - When suspended particles/dust formation:
  - Filter: FFP2
- **Protection of hands:**
  - Protective gloves
  - Alkaline resistant gloves
- **Material of gloves**
  - suitable material e.g.:
  - Nitrile impregnated cotton-gloves
  - PVC gloves
  - Recommended thickness of the material:  $\geq 0.5$  mm
  - The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **Penetration time of glove material**
  - Value for the permeation: Level  $\geq 6$  (480 min)
  - The determined penetration times according to EN 374 part III are not performed under practical conditions. Therefore a maximum wearing time, which corresponds to 50% of the penetration time, is recommended.
  - The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:**
  - In a dusty environment wear protective goggles.
  - Tightly sealed goggles
- **Body protection:**
  - Protective work clothing
  - After contact with skin wash thoroughly with water.

## SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**

Form:	powdery, grainy
Colour:	Grey
Odour:	Odourless
Odour threshold:	Not determined.
- **pH-value:**

11.5-13.5*
with water mixed

(Contd. on page 6)

GB



## Safety data sheet

### according to 1907/2006/EC, Article 31

Printing date 18.08.2014

Version number 10

Revision: 18.08.2014

**Trade name: KEIM Fine-Finishing-Mortar (Concretal-Feinspachtel)**

(Contd. of page 5)

· <b>Change in condition</b>	
<b>Melting point/Melting range:</b>	Undetermined.
<b>Boiling point/Boiling range:</b>	Not applicable.
· <b>Flash point:</b>	Not applicable.
· <b>Flammability (solid, gaseous):</b>	Not applicable.
· <b>Ignition temperature:</b>	
<b>Decomposition temperature:</b>	Not determined.
· <b>Self-igniting:</b>	Product is not selfigniting.
· <b>Danger of explosion:</b>	Product does not present an explosion hazard.
· <b>Explosion limits:</b>	
<b>Lower:</b>	Not applicable.
<b>Upper:</b>	Not applicable.
· <b>Oxidizing properties</b>	Not applicable.
· <b>Vapour pressure:</b>	Not applicable.
· <b>Density:</b>	Not determined.
· <b>Relative density</b>	Not determined.
· <b>Vapour density</b>	Not applicable.
· <b>Evaporation rate</b>	Not applicable.
· <b>Solubility in / Miscibility with water:</b>	Insoluble. miscible
· <b>Partition coefficient (n-octanol/water):</b>	Not applicable.
· <b>Viscosity:</b>	
<b>Dynamic:</b>	Not applicable.
<b>Kinematic:</b>	Not applicable.
· <b>9.2 Other information</b>	No further relevant information available.

### SECTION 10: Stability and reactivity

- **10.1 Reactivity** Reacts with water alkaline and hardens.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**  
Stable at environment temperature.  
No decomposition if used and stored according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** Humidity
- **10.5 Incompatible materials:** Acids
- **10.6 Hazardous decomposition products:**  
No hazardous decomposition products if stored and handled as prescribed.

GB

(Contd. on page 7)



## Safety data sheet

### according to 1907/2006/EC, Article 31

Printing date 18.08.2014

Version number 10

Revision: 18.08.2014

**Trade name: KEIM Fine-Finishing-Mortar (Concretal-Feinspachtel)**

(Contd. of page 6)

### SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity:**
- **LD/LC50 values relevant for classification:** Not determined
- **Primary irritant effect:**
- **on the skin:** Irritant to skin and mucous membranes.
- **on the eye:** Strong irritant with the danger of severe eye injury.
- **during inhalation:** Irritating to respiratory system.
- **during swallowing:** Irritant effect possible
- **Sensitization:**  
Product is reduced in chromate. Within the indicated storage time sensitization is not expected.
- **Other information (about experimental toxicology):**  
Experimental analysis are not available.
- **Additional toxicological information:**  
The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:  
Irritant

### SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**  
At present there are no ecotoxicological assessments.  
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

### SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
  - **Recommendation**  
Must not be disposed together with household garbage. Do not allow product to reach sewage system.  
Disposal must be made according to official regulations.
  - **European waste catalogue**
- |          |          |
|----------|----------|
| 17 01 01 | concrete |
|----------|----------|
- **Uncleaned packaging:**
  - **Recommendation:**  
Disposal must be made according to official regulations.

(Contd. on page 8)

GB



## Safety data sheet

### according to 1907/2006/EC, Article 31

Printing date 18.08.2014

Version number 10

Revision: 18.08.2014

**Trade name: KEIM Fine-Finishing-Mortar (Concretal-Feinspachtel)**

(Contd. of page 7)

- Non contaminated packagings may be recycled.  
 · **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

#### SECTION 14: Transport information

· <b>14.1 UN-Number</b> · <b>ADR, IMDG, IATA</b>	Void
· <b>14.2 UN proper shipping name</b> · <b>ADR, IMDG, IATA</b>	Void
· <b>14.3 Transport hazard class(es)</b> · <b>ADR, IMDG, IATA</b> · <b>Class</b>	Void
· <b>14.4 Packing group</b> · <b>ADR, IMDG, IATA</b>	Void
· <b>14.5 Environmental hazards:</b> · <b>Marine pollutant:</b>	No
· <b>14.6 Special precautions for user</b>	Not applicable.
· <b>14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable.
· <b>Transport/Additional information:</b>	No dangerous good in sense of these transport regulations.
· <b>UN "Model Regulation":</b>	-

#### SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **National regulations:**
- **Waterhazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.
- **Other regulations, limitations and prohibitive regulations**
- **Please note:**
  - TRGS 200 (Germany)
  - TRGS 500 (Germany)
  - TRGS 510 (Germany)
  - TRGS 900 (Germany)
- **Product-Code/Giscode:** ZP1
- **15.2 Chemical safety assessment:**  
A Chemical Safety Assessment has not been carried out.

GB

(Contd. on page 9)



## Safety data sheet according to 1907/2006/EC, Article 31

Printing date 18.08.2014

Version number 10

Revision: 18.08.2014

**Trade name: KEIM Fine-Finishing-Mortar (Concretal-Feinspachtel)**

(Contd. of page 8)

### SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant phrases**

H315 Causes skin irritation.

H318 Causes serious eye damage.

H335 May cause respiratory irritation.

R37/38 Irritating to respiratory system and skin.

R41 Risk of serious damage to eyes.

- **Department issuing MSDS:** KEIMFARBEN Germany, Product safety department

- **Contact:** Mrs. Popescu

- **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

TRGS: Technische Regeln für Gefahrstoffe (Technical Rules for Dangerous Substances, BAuA, Germany)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

EC10: Effective concentration at 10% mortality rate.

EC50: Half maximal effective concentration.

LC10: Lethal concentration at 10% mortality rate.

NOEC: No observed effect concentration.

REACH: Registration, Evaluation and Authorisation of Chemicals (Regulation (EC) No.1907/2006)

Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2

Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1

STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3

- **\* Data compared to the previous version altered.**