



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

Printing date 15.02.2017



Version number 12

Revision: 15.02.2017

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

- **1.1 Product identifier**
- **Trade name: KEIM POROSAN-TRASS-ZEMENTPUTZ**
- **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 plaster for walls and ceilings indoors and outdoors.
- **Uses advised against** All other uses are not recommended.
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
KEIMFARBEN GMBH  
Keimstraße 16 / 86420 Diedorf  
Tel. +49 (0)821 4802-0  
Fax +49 (0)821 4802-210  
www.keim.com / info@keimfarben.de
- **Further information obtainable from:**  
Product safety department  
Telefon: 49(0)821/4802-138  
E-Mail: sdb.info@keimfarben.de
- **1.4 Emergency telephone number:**  
GBK GmbH Global Regulatory Compliance  
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**  
Skin Irrit. 2 H315 Causes skin irritation.  
Eye Dam. 1 H318 Causes serious eye damage.  
STOT SE 3 H335 May cause respiratory irritation.
- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**  
The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms**  
  
GHS05 GHS07
- **Signal word** Danger
- **Hazard-determining components of labelling:**  
Cement, portland, chemicals
- **Hazard statements**  
H315 Causes skin irritation.

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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 person to fresh air and keep comfortable for breathing.

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

P362 Take off contaminated clothing.

P332+P313 If skin irritation occurs: Get medical advice/attention.

**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, aggregate and additives

**Dangerous components:**

CAS: 65997-15-1	Cement, portland, chemicals	10-25%
EINECS: 266-043-4	☠ Eye Dam. 1, H318; ☠ Skin Irrit. 2, H315; STOT SE 3, H335	

Additional information: For the wording of the listed hazard phrases refer to section 16.

**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:**

Immediately wash with water and soap and rinse thoroughly.

Do not use solvents or thinners.

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 mouth and throat well with 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.

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- **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 breathe 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.  
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.  
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.

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- 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**

AGW (Germany)	Long-term value: 5 E mg/m <sup>3</sup> DFG
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· **Additional information:** The lists valid during the making were used as basis.

#### · 8.2 Exposure controls

##### · **Personal protective equipment:**

##### · **General protective and hygienic measures:**

- Vacuum clean contaminated clothing. Do not blow or brush off contamination.
- Avoid contact with the eyes and skin.
- Do not inhale dust / smoke / mist.
- Wash hands before breaks and at the end of work.
- Immediately remove all soiled and contaminated clothing

##### · **Respiratory protection:**

- In a dusty environment wear suitable facemask.
- Filter: FFP2

##### · **Protection of hands:**

- Protective gloves
- Alkaline resistant gloves

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**Material of gloves**

suitable material e.g.:

Nitrile impregnated cotton-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 and apply lotion.

**Limitation and supervision of exposure into the environment** See Section 12 and 6.2**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties****General Information****Appearance:****Form:** Powder**Colour:** Grey**Odour:** Odourless**pH-value at 20 °C:** 11.5-13.5\*  
with water mixed**Change in condition****Melting point/freezing point:** Undetermined.**Initial boiling point and boiling range:** Not applicable.**Flash point:** Not applicable.**Flammability (solid, gas):** Not applicable.**Ignition temperature:** Not determined.**Decomposition temperature:** Not determined.**Auto-ignition temperature:** Product is not selfigniting.**Explosive properties:** Product does not present an explosion hazard.

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· <b>Explosion limits:</b>	
<b>Lower:</b>	Not applicable.
<b>Upper:</b>	Not applicable.
· <b>Oxidising properties</b>	Not applicable.
· <b>Vapour pressure:</b>	Not applicable
· <b>Density at 20 °C:</b>	1.5-1.7* g/cm <sup>3</sup> Bulk density
· <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>	Slightly soluble. 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>	* The values are for freshly produced material and may change with the time.

### SECTION 10: Stability and reactivity

- **10.1 Reactivity** Reacts with water alkaline and hardens.
- **10.2 Chemical stability** Stable under normal conditions of storage and use.
- **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.

### SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.
- **Primary irritant effect:**
- **Skin corrosion/irritation**  
Causes skin irritation.
- **Serious eye damage/irritation**  
Causes serious eye damage.

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- **during inhalation:** Irritating to respiratory system.
- **during swallowing:** Irritant effect possible
- **Respiratory or skin sensitisation**  
Product is reduced in chromate. Within the indicated storage time sensitization is not expected.
- **Other information (about experimental toxicology):**  
Experimental analysis are not available.  
The product was not tested. The statements on toxicology have been derived from the properties of the individual components.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)** not applicable
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure**  
May cause respiratory irritation.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

### 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:**
- **AOX-indication:**  
According to our standard of knowledge the product does not contain any organic bounded halogen. The product has no influence on the waste water's AOX-value.
- **According to the formulation contains the following heavy metals and compounds from the EU guideline NO. 2006/11/EC:**  
According to our current data base the product does not consist of any heavy metals or substances of EU-directives 76/464/EWG.
- **General notes:**  
At present there are no ecotoxicological assessments.  
Do not allow product to reach ground water, water course or sewage system.  
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 with household garbage. Do not allow product to reach sewage system.

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Disposal must be made according to official regulations.

**· European waste catalogue**

17 01 01 | concrete

**· Uncleaned packaging:****· Recommendation:**

Non contaminated packagings may be recycled.

Disposal must be made according to official regulations.

**· Recommended cleansing agents:** Water, if necessary with cleansing agents.**SECTION 14: Transport information****· 14.1 UN-Number****· ADR, IMDG, IATA**

Void

**· 14.2 UN proper shipping name****· ADR, IMDG, IATA**

Void

**· 14.3 Transport hazard class(es)****· ADR, IMDG, IATA****· Class**

Void

**· 14.4 Packing group****· ADR, IMDG, IATA**

Void

**· 14.5 Environmental hazards:****· Marine pollutant:**

No

**· 14.6 Special precautions for user**

Not applicable.

**· 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code**

Not applicable.

**· Transport/Additional information:**

No dangerous good in sense of these transport regulations.

**· UN "Model Regulation":**

Void

**SECTION 15: Regulatory information****· 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****· Labelling according to Regulation (EC) No 1272/2008**

For information on labelling please refer to section 2 of this document.

**· Directive 2012/18/EU****· Named dangerous substances - ANNEX I** None of the ingredients is listed.

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- **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)
- **Substances of very high concern (SVHC) according to REACH, Article 57** not applicable
- **Product-Code/Giscode:** ZP1
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### 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.
- **Department issuing SDS:** KEIMFARBEN Germany, Product safety department
- **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 Harmonised 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)
  - PBT: Persistent, Bioaccumulative and Toxic
  - SVHC: Substances of Very High Concern
  - vPvB: very Persistent and very Bioaccumulative
  - AGW: Arbeitsplatzgrenzwert (Germany)
  - 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 – Category 2
  - Eye Dam. 1: Serious eye damage/eye irritation – Category 1
  - STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
- **\* Data compared to the previous version altered.**