

# Safety Data Sheet

according to 1907/2006/EC, Article 31



Printing date 09.09.2010

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

- **Product details**
- **Trade name:** **KEIM Granital-Grob**
- **Application of the substance / the preparation** Silicate exterior paint
- **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)
- **Information in case of emergency:**  
GBK Gefahrgut Büro GmbH  
Emergency number: +49(0)6132/84463

## 2 Hazards identification

- **Hazard description:** not applicable
- **Information concerning particular hazards for human and environment:**  
The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
- **Classification system:**  
The classification is according to the latest editions of the EU-lists, and extended by company and literature data.
- **Additional information:** Alkaline product. Avoid contact with skin and eyes.

## 3 Composition/information on ingredients

- **Chemical characterization**
- **Description:** Purely mineral fillers, potassium water glass, pure acrylate emulsion
- **Dangerous components:**

12001-26-2	Mica	2.5-10%
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## 4 First aid measures

- **General information:** No special measures required.
- **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.

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- **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.

### 5 Fire-fighting measures

- **Suitable extinguishing agents:**  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or resistant foam.  
Product itself does not burn. Co-ordinate fire-fighting measures to the fire surroundings.
- **Protective equipment:** Wear self-contained respiratory protective device.
- **Additional information**  
In case of fire do not breath smoke, fumes and vapours.  
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

### 6 Accidental release measures

- **Person-related safety precautions:**  
Respect the protection rules (see section 7 a. 8).  
Use respiratory protective device against the effects of fumes/dust/aerosol.  
Avoid contact with skin and eyes.  
Particular danger of slipping on leaked/spilled product.
- **Measures for environmental protection:**  
Do not allow product to reach soil, sewage system or any water course.  
Follow local governmental rules and regulations.  
Dilute with plenty of water.
- **Measures for cleaning/collecting:**  
Flush rests with sufficient amount of water.  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Dispose of the material collected according to regulations.  
Clear contaminated areas thoroughly.
- **Additional information:** No dangerous substances are released.

### 7 Handling and storage

- **Handling:**
- **Information for safe handling:**  
Keep receptacles tightly sealed.  
Prevent formation of aerosols.  
See item 8 for information about suitable protective equipment and technical precautions.  
Respect the protection rules.
- **Information about fire - and explosion protection:** No special measures required.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**  
Store only in the original receptacle.
- **Information about storage in one common storage facility:**  
Do not store together with acids.

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• **Further information about storage conditions:**

- Protect from frost.
- Store in a cool place.
- Protect from heat and direct sunlight.

• **Storage class:** 12

## 8 Exposure controls/personal protection

• **Additional information about design of technical facilities:** No further data; see item 7.

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

**12001-26-2 Mica**

WEL	Long-term value: 10* 0.8** mg/m <sup>3</sup> *total inhalable **respirable
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• **Additional information:** The lists valid during the making were used as basis.

• **Personal protective equipment:**

• **General protective and hygienic measures:**

- Avoid contact with the eyes and skin.
- Immediately remove all soiled and contaminated clothing
- Do not inhale aerosols.

• **Respiratory protection:**

- Use suitable respiratory protective device only when aerosol or mist is formed.
- Filter: P

• **Protection of hands:** Protective gloves

• **Material of gloves**

- suitable material e.g.:
- Nitrile impregnated cotton-gloves
- PVC or PE gloves
- Recommended thickness of the material:  $\geq 0.5$  mm
- Natural rubber, NR
- Recommended thickness of the material:  $\geq 0.6$  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.

• **Eye protection:** Tightly sealed goggles

• **Body protection:** Protective work clothing

## 9 Physical and chemical properties

• **General Information**

<b>Form:</b>	Pasty
<b>Colour:</b>	Different according to colouring
<b>Odour:</b>	Odourless

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· <b>Change in condition</b>	
<b>Melting point/Melting range:</b>	Undetermined.
<b>Boiling point/Boiling range:</b>	Undetermined.
· <b>Flash point:</b>	Not applicable.
· <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>Oxidizing properties</b>	Not applicable.
· <b>Density at 20°C:</b>	1.6 * g/cm <sup>3</sup>
· <b>Vapour density</b>	non-applicable
· <b>Evaporation rate</b>	non-applicable
· <b>Solubility in / Miscibility with water:</b>	miscible
· <b>pH-value:</b>	Alkaline
· <b>Segregation coefficient (n-octanol/water):</b>	non-applicable
· <b>Viscosity:</b>	
<b>Dynamic at 20°C:</b>	1700-2100 * mPas
· <b>Additional information:</b>	* The values are for freshly produced material and may change with the time.

## 10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.
- **Materials to be avoided:** Acids
- **Dangerous reactions** No dangerous reactions known.
- **Dangerous decomposition products:**  
No hazardous decomposition products if stored and handled as prescribed.

## 11 Toxicological information

- **Acute toxicity:**
- **LD/LC50 values relevant for classification:** Not determined
- **Primary irritant effect:**
- **on the skin:** Frequent persistent contact with the skin may cause skin irritation.
- **on the eye:** In case of longer exposure, slightly irritating effect is possible.
- **during swallowing:** Irritant effect possible
- **Sensitization:** No sensitizing effects known.
- **Other information (about experimental toxicology):**  
Experimental analysis are not available.
- **Additional toxicological information:**  
The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

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When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

## 12 Ecological information

- **Additional ecological information:**

- **AOX-indication:**

Due to the substance of content which do not include organic jointed halogens, the product can not take influence on the AOX-load of the waste water.

- **According to the formulation contains the following heavy metals and compounds from the EU guideline NO. 76/464 EC:**

The product contains TiO<sub>2</sub>.

- **General notes:**

At present there are no ecotoxicological assessments.

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

## 13 Disposal considerations

- **Product:**

• **Recommendation** Disposal must be made according to official regulations.

- **European waste catalogue**

08 01 12	waste paint and varnish other than those mentioned in 08 01 11
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- **Uncleaned packaging:**

• **Recommendation:** Disposal must be made according to official regulations.

• **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

## 14 Transport information

- **Land transport ADR/RID (cross-border)**

• **ADR/RID class:** -

- **Maritime transport IMDG:**

• **IMDG Class:** -

- **Air transport ICAO-TI and IATA-DGR:**

• **ICAO/IATA Class:** -

- **Transport/Additional information:**

No dangerous good in sense of these transport regulations.

## 15 Regulatory information

- **Labelling according to EU guidelines:**

The product is not subject to classification according to the calculation methods of the "General Classification Guideline for Preparations of the EU" as issued in the latest valid version.

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Observe the general safety regulations when handling chemicals.

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**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.

- **Department issuing MSDS:** Product safety department
- **Contact:** Mrs. Popescu

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