



## Safety data sheet

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

Printing date 09.08.2011

Revision: 09.08.2011

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

- **Product identifier**
- **Trade name:** KEIM Ecosil-Grund
- **Relevant identified uses of the substance or mixture and uses advised against**
- **Application of the substance / the preparation** Silicate-based primer for interior use.
- **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)
- **Emergency telephone number:**  
 GBK Gefahrgut Büro GmbH  
 Emergency number: +49(0)6132/84463

#### 2 Hazards identification

- **Classification of the substance or mixture**
- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC** Void
- **Information concerning particular hazards for human and environment:** Void
- **Classification system:**  
 The classification is according to the latest editions of the EU-lists, and extended by company and literature data.
- **Label elements**
- **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.  
 Observe the general safety regulations when handling chemicals.
- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

#### 3 Composition/information on ingredients

- **Chemical characterization:** Mixtures
- **Description:**  
 Copolymerdispersion, mineral mixture and alkali silicate, organic modified in aqueous solution  
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<b>· Dangerous components:</b>		
12001-26-2	Mica	2.5-10%

### 4 First aid measures

- **Description of first aid measures**

- **General information:**

No special measures required.

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 mouth and throat well with water.

Do not induce vomiting; call for medical help immediately.

### 5 Firefighting measures

- **Extinguishing media**

- **Suitable extinguishing agents:**

Product itself does not burn. Co-ordinate fire-fighting measures to the fire surroundings.

- **Special hazards arising from the substance or mixture**

Harmful and flammable vapour is released during pyrolysis.

In case of fire, the following can be released:

carbon oxide (COx)

acrylic monomers

- **Advice for firefighters**

- **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.

The product itself is inflammable. The remaining polymer after ablating of the aqueous phase is flammable.

### 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**

Respect the protection rules (see section 7 a. 8).

Ensure adequate ventilation

Avoid contact with skin and eyes.

Particular danger of slipping on leaked/spilled product.

- **Environmental precautions:**

Do not allow product to reach soil, sewage system or any water course.

Follow local governmental rules and regulations.

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- **Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Dispose of the material collected according to regulations.  
Clear contaminated areas thoroughly.  
Flush rests with sufficient amount of water.
- **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.  
No dangerous substances are released.

## 7 Handling and storage

- **Handling:**
- **Precautions for safe handling**  
Keep receptacles tightly sealed.  
Prevent formation of aerosols.  
Avoid contact with skin and eyes.  
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.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**  
Store only in the original receptacle.  
Unsuitable material for receptacles and pipes:  
iron and ferrous metals  
Suitable material for receptacles and pipes:  
Polyethylene
- **Information about storage in one common storage facility:**  
Do not store together with acids.
- **Further information about storage conditions:**  
Protect from frost.  
Store in a cool place.  
Protect from heat and direct sunlight.  
Keep container tightly sealed.
- **Storage class:** 12

## 8 Exposure controls/personal protection

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

· **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.

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- **Exposure controls**
- **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.  
 Wash hands before breaks and at the end of work.
- **Respiratory protection:**  
 Use suitable respiratory protective device only when aerosol or mist is formed.  
 Combination filter A/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  
 Butyl rubber, BR  
 Recommended thickness of the material:  $\geq 0.7$  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

- |  |   |
|--|---|
| · <b>Information on basic physical and chemical properties</b> |   |
| · <b>General Information</b>                                   |   |
| · <b>Appearance:</b>   |   |
| Form:  | Pasty   |
| Colour:  | White   |
| · <b>Odour:</b>  | slightly                                      |
| · <b>pH-value at 20°C:</b>                                     | 10 - 11*                                      |
| · <b>Change in condition</b>                                   |   |
| Melting point/Melting range:                                   | Undetermined.                                 |
| Boiling point/Boiling range:                                   | 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>                                     |   |
| Oxidizing properties   | Not applicable                                |

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· <b>Vapour pressure:</b>	Not determined
· <b>Density at 20°C:</b>	1.45* g/cm <sup>3</sup>
· <b>Vapour density</b>	Not applicable
· <b>Evaporation rate</b>	Not applicable
· <b>Solubility in / Miscibility with water:</b>	miscible
· <b>Segregation coefficient (n-octanol/water):</b>	Not applicable
· <b>Viscosity:</b>	
<b>Dynamic:</b>	Not determined
· <b>Other information</b>	* The values are for freshly produced material and may change with the time.

## 10 Stability and reactivity

- **Reactivity**
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Incompatible materials:** Acids
- **Hazardous decomposition products:**  
In case of fire, the following can be released:  
carbon oxide (COx)  
acrylic monomers  
No hazardous decomposition products if stored and handled as prescribed.

## 11 Toxicological information

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

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## 12 Ecological information

- **Toxicity**
- **Acquatic toxicity:** No further relevant information available.
- **Persistence and degradability**
- **Other information:**  
Elimination in biological waste water treatment plants is effected by flocculation, precipitation and adsorption on sewage sludge.
- **Ecotoxicological effects:**
- **Other information:** Pretreat waste water with help of precipitation.
- **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
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

## 13 Disposal considerations

- **Waste treatment methods**
  - **Recommendation**  
Disposal must be made according to official regulations.  
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
  - **European waste catalogue**
- |          |  |
|----------|--|
| 08 01 12 | waste paint and varnish other than those mentioned in 08 01 11 |
|----------|--|
- **Uncleaned packaging:**
  - **Recommendation:** Disposal must be made according to official regulations.
  - **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

## 14 Transport information

- |   |
|---|
| <ul style="list-style-type: none"> <li>· <b>Land transport ADR/RID (cross-border)</b></li> <li>· <b>ADR/RID class:</b> -</li> </ul> |
| <ul style="list-style-type: none"> <li>· <b>Maritime transport IMDG:</b></li> <li>· <b>IMDG Class:</b> -</li> </ul>                 |
| <ul style="list-style-type: none"> <li>· <b>Air transport ICAO-TI and IATA-DGR:</b></li> <li>· <b>ICAO/IATA Class:</b> -</li> </ul> |
- **Special precautions for user** Not applicable.

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- **Transport/Additional information:**  
No dangerous good in sense of these transport regulations.

**15 Regulatory information**

- **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.
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

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

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