

# Safety Data Sheet

according to 1907/2006/EC, Article 31



Printing date 15.09.2010

Revision: 15.09.2010

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

- **Product details**
- **Trade name:** KEIM Royalan-Dilution
- **Application of the substance / the preparation** Thinner, Diluent
- **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:** Aqueous solution of alkal silicate, organic modified
- **Dangerous components:** Void

## 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 out mouth and then drink plenty of 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).  
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.
- **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.
- **Further information about storage conditions:**  
Protect from heat and direct sunlight.  
Protect from frost.

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- Store in a cool place.  
 · **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:**  
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists valid during the making were used as basis.
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
Immediately remove all soiled and contaminated clothing  
Avoid contact with the eyes and skin.  
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  
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:** Safety glasses
- **Body protection:** Protective work clothing

### 9 Physical and chemical properties

#### · General Information

<b>Form:</b>	Fluid
<b>Colour:</b>	milky
<b>Odour:</b>	Odourless

#### · Change in condition

<b>Melting point/Melting range:</b>	~ 0°C
<b>Boiling point/Boiling range:</b>	100°C

- **Flash point:** > 100°C

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· <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>Vapour pressure at 20°C:</b>	23 hPa
· <b>Density at 20°C:</b>	1.03* 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 at 20°C:</b>	11.3*
· <b>Segregation coefficient (n-octanol/water):</b>	non-applicable
· <b>Viscosity:</b> <b>Dynamic:</b>	Not determined
· <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.  
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

- **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:**

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:**

Rinse off of bigger amounts into drains or the aquatic environment may lead to increased pH-values. A high pH-value harms aquatic organisms. In the dilution of the use-level the pH-value is considerably reduced, so that after the use of the product the aqueous waste, emptied into drains, is only low water-dangerous.

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**

06 02 99	wastes not otherwise specified
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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:**

Observe the general safety regulations when handling chemicals.

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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.

\* **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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