



Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 14.01.2011

Revision: 14.01.2011

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

- **Product identifier**
- **Trade name:** **KEIM Soldalit-ME**
- **Relevant identified uses of the substance or mixture and uses advised against**
- **Application of the substance / the preparation**
Highly specialised sol-silicate exterior paint with a photocatalytic action.
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
KEIMFARBEN GmbH & Co. KG
Keimstrasse 16
D-86420 DIEDORF
Telefon: +49(0)821/4802-0
Telefax: +49(0)821/4802-210
- **Further information obtainable from:**
Product safety department, Mrs. Popescu
Telefon: 49(0)821/4802-138
E-Mail: minodora.popescu@keimfarben.de
- **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:**
No markings required.
Observe the general safety regulations when handling chemicals.
- **Other hazards** Alkaline product. Avoid contact with skin and eyes.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

3 Composition/information on ingredients

- **Chemical characterization:** Mixtures
- **Description:** Sol-silicate paint

- **Dangerous components:**

CAS: 7727-43-7	barium sulphate, natural	2,5-10%
EINECS: 231-784-4		

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4 First aid measures

- **Description of 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.
- **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**
In case of fire, the following can be released:
silicon dioxid (SiO₂)
carbon oxide (CO_x)
- **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.

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.
- **Environmental precautions:**
Do not allow product to reach soil, sewage system or any water course.
Follow local governmental rules and regulations.
- **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** No dangerous substances are released.

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7 Handling and storage

- **Handling:**
- **Precautions for safe handling**
Keep receptacles tightly sealed.
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.
- **Information about storage in one common storage facility:**
Do not store together with acids.
- **Further information about storage conditions:**
Store in a cool place.
Protect from frost.
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.
- **Control parameters**

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

7727-43-7 barium sulphate, natural

AGW (Germany)	3* 10** mg/m ³ 2(II);*alveolengängige **eintatembare Fraktion; AGS
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14808-60-7 Quartz (SiO₂)

MAK (Germany)	alveolengängige Fraktion
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- **Additional information:** The lists valid during the making were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
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
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

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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 ≥ 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:** Goggles recommended during refilling
- **Body protection:** Protective work clothing

9 Physical and chemical properties

- **Information on basic physical and chemical properties**

- **General Information**

- **Appearance:**

Form:	Fluid
Colour:	Different according to colouring

Odour:	Odourless
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pH-value at 20°C:	11*
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- **Change in condition**

Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	Undetermined.

Flash point:	Not applicable.
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Self-igniting:	Product is not selfigniting.
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Danger of explosion:	Product does not present an explosion hazard.
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- **Explosion limits:**

Oxidizing properties	Not applicable
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Density at 20°C:	1,6* g/cm ³
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Vapour density	Not applicable
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Evaporation rate	Not applicable
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Solubility in / Miscibility with water:	miscible
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Segregation coefficient (n-octanol/water):	Not applicable
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- **Viscosity:**

Dynamic at 20°C:	1000-1800* mPas
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- **Other information**

* 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.

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- **Possibility of hazardous reactions** No dangerous reactions known.
- **Incompatible materials:** Acids
- **Hazardous decomposition products:**
In case of fire, the following can be released:
silicon dioxid (SiO₂)
carbon oxide (CO_x)
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, 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.

12 Ecological information

- **Toxicity**
- **Acquatic toxicity:** 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. 76/464 EC:**
The product contains TiO₂, BaSO₄, ZnS.
- **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.

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- **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:** -

- **Special precautions for user** Not applicable.
- **Transport/Additional information:**
No dangerous good in sense of these transport regulations.

15 Regulatory information

- **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

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