



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

Printing date 12.04.2017

Version number 11

Revision: 12.04.2017

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

- **1.1 Product identifier**
- **Trade name: KEIM CONCRETAL-LASUR**
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- **Application of the substance / the mixture**  
Thin layer paint / glaze, sol-silicate-based, for interior and exterior application to concrete surfaces.
- **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**  
The product is not classified according to the CLP regulation.
- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **2.3 Other hazards** Alkaline product. Avoid contact with skin and eyes.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

### SECTION 3: Composition/information on ingredients

- **3.2 Mixtures**
- **Description:**  
Aqueous solution of silicic acid potassium salt, silica sol, acrylic polymer, mineral fillers, pigments, additives.

(Contd. on page 2)



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

Printing date 12.04.2017

Version number 11

Revision: 12.04.2017

**Trade name: KEIM CONCRETAL-LASUR**

(Contd. of page 1)

· **Dangerous components:** Void

### SECTION 4: First aid measures

· **4.1 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:**

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.

· **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**

In case of fire do not breathe smoke, fumes and vapours.

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

### SECTION 6: Accidental release measures

· **6.1 Personal precautions, protective equipment and emergency procedures**

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

Avoid contact with skin and eyes.

Ensure adequate ventilation

Particular danger of slipping on leaked/spilled product.

· **6.2 Environmental precautions:**

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

(Contd. on page 3)



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

Printing date 12.04.2017

Version number 11

Revision: 12.04.2017

**Trade name: KEIM CONCRETAL-LASUR**

(Contd. of page 2)

- Follow local governmental rules and regulations.
- **6.3 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.
- **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**  
Keep receptacles tightly sealed.  
Avoid contact with skin and eyes.  
Do not inhale aerosols.  
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 a cool place.  
Protect from frost.  
Protect from heat and direct sunlight.
- **Storage class:** 12
- **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:**

<b>14808-60-7 Quartz (SiO<sub>2</sub>)</b>
--

MAK (Germany)   alveolengängige Fraktion
--

- **Additional information:** The lists valid during the making were used as basis.

(Contd. on page 4)



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

Printing date 12.04.2017

Version number 11

Revision: 12.04.2017

**Trade name: KEIM CONCRETAL-LASUR**

(Contd. of page 3)

- **8.2 Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
Avoid contact with the eyes and skin.  
Do not inhale aerosols.  
Wash hands before breaks and at the end of work.  
Immediately remove all soiled and contaminated clothing
- **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  
Recommended thickness of the material:  $\geq 0.5$  mm  
Natural rubber, NR  
Recommended thickness of the material:  $\geq 0.6$  mm  
Nitrile rubber, NBR  
Recommended thickness of the material:  $\geq 0.4$  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:** Safety glasses
- **Body protection:** Protective work clothing
- **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:	Fluid
Colour:	Different, according to colouring.
- **Odour:** Odourless
- **Odour threshold:** Not determined.
- **pH-value at 20 °C:** 11.2\*

(Contd. on page 5)



## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 12.04.2017

Version number 11

Revision: 12.04.2017

**Trade name: KEIM CONCRETAL-LASUR**

(Contd. of page 4)

· <b>Change in condition</b> Melting point/freezing point: ~ 0 °C Initial boiling point and boiling range: ~100 °C	
· <b>Flash point:</b>	Not applicable.
· <b>Flammability (solid, gas):</b>	Not applicable.
· <b>Ignition temperature:</b>	Not determined.
· <b>Decomposition temperature:</b>	Not determined.
· <b>Auto-ignition temperature:</b>	Product is not selfigniting.
· <b>Explosive properties:</b>	Product does not present an explosion hazard.
· <b>Explosion limits:</b> Lower: Upper:	Not applicable. Not applicable.
· <b>Oxidising properties</b>	Not applicable.
· <b>Vapour pressure at 20 °C:</b>	~23 hPa
· <b>Density at 20 °C:</b>	1.1-1.3* g/cm <sup>3</sup>
· <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>	miscible
· <b>Partition coefficient: n-octanol/water:</b>	Not applicable.
· <b>Viscosity:</b> Dynamic at 20 °C: Kinematic:	400-600* mPas Not determined.
· <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** No further relevant information available.
- **10.2 Chemical stability** Stable under normal conditions of storage and use.
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** Acids

(Contd. on page 6)

DEN



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

Printing date 12.04.2017

Version number 11

Revision: 12.04.2017

**Trade name: KEIM CONCRETAL-LASUR**

(Contd. of page 5)

- **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** Frequent persistent contact with the skin may cause skin irritation.
- **Serious eye damage/irritation** In case of longer exposure, slightly irritating effect is possible.
- **during inhalation:** Irritant effect possible.
- **during swallowing:** Irritant effect possible
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **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** Based on available data, the classification criteria are not met.
- **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:**  
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. 2006/11/EC:**  
The product contains TiO<sub>2</sub>.
- **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.

(Contd. on page 7)



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

Printing date 12.04.2017

Version number 11

Revision: 12.04.2017

**Trade name: KEIM CONCRETAL-LASUR**

· **12.6 Other adverse effects** No further relevant information available.

(Contd. of page 6)

### 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.  
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
----------	--

· **Uncleaned packaging:**

· **Recommendation:** 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

DEN

(Contd. on page 8)



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

Printing date 12.04.2017

Version number 11

Revision: 12.04.2017

**Trade name: KEIM CONCRETAL-LASUR**

(Contd. of page 7)

### SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
  - **Directive 2012/18/EU**
  - **Named dangerous substances - ANNEX I** None of the ingredients is listed.
  - **National regulations:**
  - **Waterhazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.
  - **Other regulations, limitations and prohibitive regulations**
  - **Substances of very high concern (SVHC) according to REACH, Article 57** not applicable
  - **Product-Code/Giscode:** BSW10
  - **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.

- **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)
  - REACH: Registration, Evaluation and Authorisation of Chemicals (Regulation (EC) No.1907/2006)
- **\* Data compared to the previous version altered.**