



Safety Data Sheet according to WHS Regulations

Date of issue: 04.09.2025

Version number 12.1

Revision: 04.09.2025

1 Identification

- **Other means of identification**
- **Trade name: KEIM SOLDALIT-FIXATIV**
- **Relevant identified uses of the substance or mixture and uses advised against**
- **Application of the substance / the mixture** Sol-silicate-based primer and dilution
- **Uses advised against** All other uses are not recommended.
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
KEIMFARBEN GMBH
Keimstraße 16
86420 Diedorf
Germany
KEIM MINERAL PAINTS OF AUSTRALIA PTY LTD
Unit 7, 19 McCauley Street
MATRAVILLE, NSW 2036
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· **www.keim.com / info@keimfarben.de**
- **Further information obtainable from:**
Phone: +61 (0) 2 9748 7160
Email: msds@keim.com.au
- **Emergency telephone number:**
Emergency CONTACT Australia (24-Hour-Number):
GBK/Infotrac ID 91761 : 1300 366 961

2 Hazard(s) Identification

- **Classification of the substance or mixture**
The product is not classified, according to the Globally Harmonised System (GHS).
- **Label elements**
- **GHS label elements** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **Other hazards** Alkaline product. Avoid contact with skin and eyes.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable
- **vPvB:** Not applicable

3 Composition and Information on Ingredients

- **Chemical characterisation: Mixtures**
- **Description:** Liquid solution from silicic acid potassium salt, silica sol and organic additives
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· Dangerous components:

CAS: 1312-76-1 EINECS: 215-199-1	Silicic acid, potassium salt ⚠ Skin corrosion/irritation – Category 2, H315; Specific target organ toxicity (single exposure) – Category 3, H335 Specific concentration limits: Skin corrosion/irritation – Category 2; H315: C ≥ 40 % Eye Irrit. 2; H319: C ≥ 40 % Specific target organ toxicity (single exposure) – Category 3; H335: C ≥ 40 %	≤2.5%
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· Additional information: For the wording of the listed hazard phrases refer to section 16.

4 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.

· Information for doctor:**· Most important symptoms and effects, both acute and delayed**

No further relevant information available.

· Indication of any immediate medical attention and special treatment needed

No further relevant information available.

5 Fire Fighting Measures

· 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 No further relevant information available.**· Special protective equipment:** Wear self-contained respiratory protective device.**· Additional information**

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

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

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6 Accidental Release Measures

- **Personal precautions, protective equipment and emergency procedures**
Respect the protection rules (see section 7 and 8).
Avoid contact with skin and eyes.
Ensure adequate ventilation
- **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**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and Storage

- **Handling:**
- **Precautions for safe handling**
Keep receptacles tightly sealed.
Avoid contact with skin and eyes.
See item 8 (8.2) 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.
- **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:** Not required.
- **Further information about storage conditions:**
Protect from frost.
Store in a cool place.
Protect from heat and direct sunlight.
- **Storage class:** 12
- **Specific end use(s)** No further relevant information available.

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8 Exposure controls and personal protection

- **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.

- **DNELs**

1312-76-1 Silicic acid, potassium salt

Oral	Long-term - systemic effects	0.74 mg/kg bw/day (consumer)
Dermal	Long-term - systemic effects	0.74 mg/kg bw/day (consumer) 1.49 mg/kg bw/day (worker)
Inhalative	Long-term - systemic effects	1.38 mg/m ³ (consumer) 5.61 mg/m ³ (worker)

- **PNECs**

1312-76-1 Silicic acid, potassium salt

Aquatic compartment - freshwater	7.5 mg/l (Freshwater)
Aquatic compartment - marine water	1 mg/l (Seawater)
Aquatic compartment - water, intermittent releases	7.5 mg/l (Freshwater)
Sewage treatment plant	348 mg/l (Sewage treatment plant)

- **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.
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
Natural rubber, NR

Recommended thickness of the material: ≥ 0.5 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 ≥ 6 (480 min)

The determined penetration times according to EN 16523-1:2015 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.

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- **Eye protection:** Goggles recommended during refilling
- **Body protection:** Protective work clothing
- **Limitation and supervision of exposure into the environment**
See Section 12 and 6.2
No further relevant information available.

9 Physical and Chemical Properties

- **General Information**
- **Appearance:**
- **Form:** Fluid
- **Colour:** Milky, bluish
- **Odour:** Weak, characteristic
- **Odour threshold:** Not determined
- **pH-value at 20 °C:** 10.1*
- **Change in condition**
- **Melting point/freezing point:** ~0 °C
- **Initial boiling point and boiling range:** ~100 °C
- **Flash point:** Not applicable
- **Flammability:** Not applicable
- **Auto-ignition temperature:** Not determined
- **Decomposition temperature:** Not determined
- **Ignition temperature:** Product is not selfigniting.
- **Explosive properties:** Product does not present an explosion hazard.
- **Explosion limits:**
- **Lower:** Not applicable
- **Upper:** Not applicable
- **Oxidising properties:** Not applicable
- **Vapour pressure at 20 °C:** ~23 hPa
- **Density at 20 °C:** 1.0-1.1* g/cm³
- **Relative density:** Not determined
- **Vapour density:** Not applicable
- **Evaporation rate:** Not applicable
- **Solubility in / Miscibility with**
- **water:** Miscible
- **Partition coefficient: n-octanol/water:** Not applicable
- **Viscosity:**
- **Dynamic:** Not determined
- **Kinematic:** Not determined
- **Other information** *The values are for freshly produced material and may change with the time.
- **Particle characteristics** Not applicable.

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· **Physical state** Liquid

10 Stability and Reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability** Stable under normal conditions of storage and use.
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** Acids
- **Hazardous decomposition products:**
No hazardous decomposition products if stored and handled as prescribed.

11 Toxicological Information

- **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 to the eyes 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.
- **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.
- **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.
- **Interactive effects**
- **CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)** Not applicable

12 Ecological Information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.

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- **Behaviour in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **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:**
According to our current data base the product does not consist of any heavy metals or substances of EU guideline NO. 2006/11/EC.
- **General notes:**
At present there are no ecotoxicological assessments.
The statements on ecotoxicology have been derived from the properties of the individual components.
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.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable
- **vPvB:** Not applicable
- **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **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.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agents:** Water, if necessary with cleansing agents.

14 Transport information

- | | |
|-------------------------------------|------|
| · UN-Number | |
| · ADG, IMDG, IATA | Void |
| · UN proper shipping name | |
| · ADG, IMDG, IATA | Void |
| · Transport hazard class(es) | |
| · ADG, IMDG, IATA | |
| · Class | Void |

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· Packing group	
· ADG, IMDG, IATA	Void
· Environmental hazards:	
· Marine pollutant:	No
· Special precautions for user	Not applicable
· 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

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**

- **Australian Inventory of Industrial Chemicals**

All ingredients are listed.

- **Standard for the Uniform Scheduling of Medicines and Poisons**

None of the ingredients is listed.

- **Australia: Priority Existing Chemicals**

None of the ingredients is listed.

- **GHS label elements** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **Precautionary statements**

- **ANNEX I EXPORT SUBSTANCES DECLARABLE FOR EXPLOSIVES in quantities > 1%.**

None of the ingredients is listed.

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

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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 SDS:** KEIMFARBEN Germany, Product safety department

· **Contact:**

· **Abbreviations and acronyms:**

WES: Workplace Exposure Standards

ADR: Accord relatif au transport international 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

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)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

PBT: Persistent, Bioaccumulative and Toxic

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

REACH: Registration, Evaluation and Authorisation of Chemicals (Regulation (EC) No.1907/2006)

Skin corrosion/irritation – Category 2: Skin corrosion/irritation – Category 2

Specific target organ toxicity (single exposure) – Category 3: Specific target organ toxicity (single exposure) – Category 3

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