

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, (EC) No. 453/2010



Histolith Sol-Silikat

Version 1.0

Revision Date 06.03.2013

Print Date 06.03.2013

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

1.1 Product identifier

Trade name : Histolith Sol-Silikat

1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the Substance/Mixture : Decorative protective coating

Recommended restrictions on use :

1.3 Details of the supplier of the safety data sheet

Company : Caparol Farben Lacke Bautenschutz GmbH
Roßdörfer Straße 50
64372 Ober-Ramstadt
Telephone : +496154710
Telefax : +49615471222
E-mail address : sds@daw.de
Responsible/issuing person

1.4 Emergency telephone number

Emergency telephone number/ E-mail address : 0049(0)6154/71-202 sds@daw.de

2. Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Not a dangerous substance according to GHS.

Classification (67/548/EEC, 1999/45/EC)

Not a hazardous substance or mixture.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Not a dangerous substance according to GHS.

Labelling according to EC Directives (1999/45/EC)

Further information : The product does not need to be labelled in accordance with

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EC directives or respective national laws.

2.3 Other hazards

Keep out of reach from children. Ensure good ventilation during use and drying. Do not eat, drink or smoke while using the product. In case of contact with eyes or skin, immediately and thoroughly rinse with water. Do not allow product to enter drains, waterways or soil. Clean utensils immediately after use with soap and water.

Due to its potassium silicate content, the reaction of silicate based coatings is highly alkaline. Hence protect skin and eyes from paint.

The areas adjoining the surface to be coated must be carefully masked, in particular glass, ceramics, enamel/varnish coating, clinkers, natural stones, wood and metals. Wash splashes immediately and completely with plenty of clean water.

3. Composition/information on ingredients

3.2 Mixtures

Remarks : No dangerous ingredients according to Regulation (EC) No. 1907/2006

4. First aid measures

4.1 Description of first aid measures

General advice : No hazards which require special first aid measures.
Move out of dangerous area.
First aider needs to protect himself.

If inhaled : Move to fresh air.

In case of skin contact : Wash skin thoroughly with soap and water or use recognized skin cleanser.
Do NOT use solvents or thinners.

In case of eye contact : Remove contact lenses.
Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.
Seek medical advice.

If swallowed : If swallowed, DO NOT induce vomiting.
Clean mouth with water and drink afterwards plenty of water.
Never give anything by mouth to an unconscious person.
If symptoms persist, call a physician.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms : No information available.

Risks : No information available.

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4.3 Indication of any immediate medical attention and special treatment needed

Treatment : No information available.

5. Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Not combustible.
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media : High volume water jet

5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting : Burning produces irritant fumes.
Do not allow run-off from fire fighting to enter drains or water courses.

5.3 Advice for firefighters

Special protective equipment for firefighters : Use personal protective equipment.
Wear self contained breathing apparatus for fire fighting if necessary.

Further information : The product itself does not burn.
Standard procedure for chemical fires.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Avoid contact with skin and eyes.
Material can create slippery conditions.
Use protective shoes or boots with rough rubber sole.
Refer to protective measures listed in sections 7 and 8.

6.2 Environmental precautions

Environmental precautions : Do not flush into surface water or sanitary sewer system.
If the product contaminates rivers and lakes or drains inform respective authorities.
Prevent further leakage or spillage if safe to do so.

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For further information see Section 8 & 13 of the safety data sheet.

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7. Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : No special technical protective measures required.
For personal protection see section 8.
Smoking, eating and drinking should be prohibited in the application area.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Containers which are opened must be carefully resealed and kept upright to prevent leakage.
To maintain product quality, do not store in heat or direct sunlight.
Store at room temperature.
Perishable if frozen.

Advice on common storage : Keep away from oxidising agents and strongly acid or alkaline materials.

German storage class : 12 Non Combustible Liquids

7.3 Specific end use(s)

: Please follow the technical information of the manufacturer.

8. Exposure controls/personal protection

8.1 Control parameters

Components	CAS-No.	Value type	Control parameters	Update	Basis
silicon dioxide	7631-86-9	AGW	4 mg/m ³	2006-01-01	DE TRGS 900
Further information:	DFG: Senate commission for the review of compounds at the work place dangerous for the health (MAK-commission). Colloidal amorphous silica, including pyrogenic silica and in wet processes manufactured silica (precipitated silica, silicagel). When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child				

8.2 Exposure controls

Personal protective equipment

Respiratory protection : No personal respiratory protective equipment normally required.

Hand protection : For prolonged or repeated contact use protective gloves.

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- German trade association leaflet: Carry gloves (ZH 1/706)
German trade association leaflet: A 023 Hand and skin protection
- Eye protection : Safety glasses
German trade association rules - BGR 192 Eye protection
- Skin and body protection : Protective suit
- Hygiene measures : Provide adequate ventilation.
Avoid contact with the skin and the eyes.
Wash hands before eating, drinking, or smoking.
Wash hands before breaks and at the end of workday.
- Protective measures : No special protective equipment required.

Environmental exposure controls

- General advice : Do not flush into surface water or sanitary sewer system.
If the product contaminates rivers and lakes or drains inform respective authorities.
Prevent further leakage or spillage if safe to do so.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Appearance : liquid
- Colour : pigmented
- Odour : characteristic
- Odour Threshold : not applicable
- pH : 9 - 11, no data available
- Melting point/range : ca. 0 °C
- Boiling point/boiling range : 100 °C
- Flash point : not applicable
- Evaporation rate : not applicable
- Flammability (solid, gas) : not determined
- Lower explosion limit : not applicable
- Upper explosion limit : not applicable
- Vapour pressure : ca. 23 hPa
- Relative vapour density : not applicable
- Relative density : not applicable
- Density : ca. 1,47 g/cm³
- Water solubility : not determined

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Partition coefficient: n-octanol/water	: not determined
Auto-ignition temperature	: not auto-flammable
Thermal decomposition	: no data available
Viscosity, dynamic	: no data available
Explosive properties	: not applicable
Oxidizing properties	: no data available

9.2 Other information

Flow time	: not determined
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10. Stability and reactivity

10.1 Reactivity

No decomposition if stored and applied as directed.

10.2 Chemical stability

No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

Hazardous reactions	: Further information: No decomposition if stored and applied as directed.
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10.4 Conditions to avoid

Conditions to avoid	: Protect from frost. Extremes of temperature and direct sunlight.
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10.5 Incompatible materials

Materials to avoid	: Incompatible with oxidizing agents. Incompatible with acids and bases.
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10.6 Hazardous decomposition products

Hazardous decomposition products	: No decomposition if stored and applied as directed. In case of fire hazardous decomposition products may be produced such as: Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke).
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11. Toxicological information

11.1 Information on toxicological effects

Product

Acute oral toxicity	: > 2.000 mg/kg
Acute inhalation toxicity	: no data available

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Acute dermal toxicity	:	no data available
Skin corrosion/irritation	:	According to the classification criteria of the European Union, the product is not considered as being a skin irritant.
Serious eye damage/eye irritation	:	According to the classification criteria of the European Union, the product is not considered as being an eye irritant.
Respiratory or skin sensitisation	:	no data available
Further information	:	There is no data available for this product., Information given is based on data on the components and the toxicology of similar products.

12. Ecological information

12.1 Toxicity

Product:

Toxicity to fish	:	no data available
Toxicity to daphnia and other aquatic invertebrates	:	no data available

12.2 Persistence and degradability

Product:

Biodegradability	:	no data available
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12.3 Bioaccumulative potential

Product:

Bioaccumulation	:	no data available
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12.4 Mobility in soil

Product:

Mobility	:	no data available
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12.5 Results of PBT and vPvB assessment

Product:

Assessment	:	This mixture contains no substance considered to be persistent, bioaccumulating nor toxic (PBT)., This mixture contains no substance considered to be very persistent nor very bioaccumulating (vPvB).
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12.6 Other adverse effects

Product:

Additional ecological information	:	There is no data available for this product.
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13. Disposal considerations

13.1 Waste treatment methods

- Product : Materials and all related packaging must be disposed of in a safe way in accordance with the full requirements of the local authorities.
In Germany: Dispose containers with residues of liquid product via waste collection point accepting old paints and enamels. Dispose dried/hardened product residues as construction site/demolition/municipal or domestic waste.
- Contaminated packaging : Only completely emptied containers should be given for recycling.

14. Transport information

14.1 UN number

ADR

Not dangerous goods

RID

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

14.2 Proper shipping name

ADR

Not dangerous goods

RID

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

14.3 Transport hazard class

ADR

Not dangerous goods

RID

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

14.4 Packing group

ADR

Not dangerous goods

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RID

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

14.5 Environmental hazards

ADR

Not dangerous goods

RID

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

14.6 Special precautions for user

Not classified as dangerous in the meaning of transport regulations.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

15. Regulatory information

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

Water contaminating class : 1: slightly water endangering
(Germany)

Product code for laquers and paints / Giscode : M-SK01 1K-Silicate paints (Germany)

15.2 Chemical Safety Assessment

A Chemical Safety Assessment is not required for this substance.

16. Other information

Further information

Other information : **No exposure scenario communication is required for this product according to REACH Regulation No. 1907/2006 EC.**

This product is a mixture and does not contain Substances of Very High Concern (SVHC) equal or above 0.1%. Therefore no advised uses have to be defined and no chemical safety assessment has to be generated.

Communication of Uses is not required in accordance with REACH Article 31(1)(a) - registered substances / mixtures do not meet the criteria for classification as hazardous in accordance with Regulations 1272/2008 EC or 1999/45/EC.

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The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

REACH and GHS/CLP Information

According to our legal obligations we will implement the Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) and GHS respectively the Regulation (EC) No 1272/2008. REGULATION (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP). We will adjust and update our safety data sheets on a regular base in accordance with the information of our upstream-suppliers. As usual we will inform you about the adjustments.

Regarding to the REACH regulation we would like to point out that DAW as a downstream user will not register on behalf of our company. We will rely on information from our suppliers. As soon as new information is available our safety data sheets will be amended accordingly. This will be put into practice depending on the register-deadline of the substances involved during the transition period from December 1, 2010 till May 31, 2018.

The amendment of safety data sheets of mixtures or preparations in accordance with GHS /CLP regulation will be carried out during a transitional period until June 1, 2015. We will conduct the adjustment of our safety data sheets during the time frame of the transitional period as soon as new information is available from our suppliers.