

SAFETY DATA SHEET

SÜDWEST SilikatTopIn

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SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Trade name SÜDWEST SilikatTopIn

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

Silicate interior paint

Uses advised against This information is not available.

1.3 Details of the supplier of the safety data sheet

SÜDWEST Lacke + Farben GmbH & Co.KG
Iggelheimer Str. 13
D - 67459 Böhl-Iggelheim
Telephone: +49 6324/709-0
Telefax: +49 6324/709-175
www.suedwest.de

E-mail address of person responsible for the SDS
European Union

sdb@suedwest.de

1.4 Emergency telephone number European Union

Phone: +44 (0)1235 239 670

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture.

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2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

The product is alkaline.

Avoid contact with the skin and the eyes.

The potassium silicate contained in this product (aqueous solution, molar ratio > 3.2 and solid content < 40%) is not subject to marking requirements. Its classification is based on toxicological tests carried out by the CEES (European Centre for Silicate Research - www.cees-silicates.org)

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

Chemical nature Silicate based p int for interior use

Hazardous components

Remarks : No hazardous ingredients

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

| | |
|----------------|--|
| General advice | In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and seek medical advice. |
| Inhalation | Move to fresh air. Keep patient warm and at rest. If breathing is irregular or stopped, administer artificial respiration. If symptoms persist, call a physician. |
| Skin contact | Take off contaminated clothing and shoes immediately. Wash off immediately with soap and plenty of water. Do NOT use solvents or thinners. If symptoms persist, call a physician. Wash contaminated clothing before re-use. |
| Eye contact | In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Consult a physician. |
| Ingestion | Clean mouth with water and drink afterwards plenty of |

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water.
Do NOT induce vomiting.
Obtain medical attention.
Keep at rest.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms No information available.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment Treat symptomatically.
No information available.

SECTION 5: FIREFIGHTING MEASURES**5.1 Extinguishing media**

Suitable extinguishing media Alcohol-resistant foam
Carbon dioxide (CO₂)
Dry chemical
Water spray

Unsuitable extinguishing media High volume water jet

5.2 Special hazards arising from the substance or mixture

Fire may cause evolution of:
Carbon monoxide
Carbon dioxide (CO₂)
Nitrogen oxides (NO_x)
Exposure to decomposition products may be a hazard to health.

5.3 Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

Additional advice

Use water spray to cool unopened containers.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

SECTION 6: ACCIDENTAL RELEASE MEASURES**6.1 Personal precautions, protective equipment and emergency procedures**

Ensure adequate ventilation.

6.2 Environmental precautions

The product should not be allowed to enter drains, water courses or the soil.
If the product contaminates rivers and lakes or drains inform respective authorities.

6.3 Methods and

Contain spillage, and then collect with non-combustible

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**material for
containment and
cleaning up**

absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).
Sweep up and shovel.
Clean with detergents. Avoid solvents.
Dispose of contaminated material as waste according to item 13.
Clean contaminated surface thoroughly.

**6.4 Reference to other
sections**

Refer to protective measures listed in sections 7 and 8.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Advice on safe handling

Do not get in eyes or mouth or on skin.
Prevent unauthorized access.
Provide sufficient air exchange and/or exhaust in work rooms.
Comply with the statutory regulations on health and safety at work.

Hygiene measures

Wash hands before breaks and at the end of workday.
When using do not eat, drink or smoke.
Avoid contact with the skin and the eyes.
Remove and wash contaminated clothing and gloves, including the inside, before re-use.

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.
Store in original container.
Keep in a dry place.
Observe label precautions.
Protect from frost, heat and sunlight.

Advice on protection
against fire and
explosion

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, fumes.

Advice on common
storage

Keep away from oxidizing agents and strongly acid or alkaline materials.

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7.3 Specific end use(s) For further information, see also Technical Data Sheet for the product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Contains no substances with occupational exposure limit values. The lists that were valid during the creation were used as basis.

8.2 Exposure controls

Appropriate engineering controls

Provide adequate ventilation.

Individual protection measures, such as personal protective equipment

a) Eye/face protection Safety glasses with side-shields conforming to EN166
Eye wash bottle with pure water

b) Skin protection
Hand protection Break through time: 480 min
Minimum thickness: 0,4 mm
Gloves made of nitrile rubber, e.g. KCL 730 Camatril®
Velours (Kächele-Cama-Latex GmbH, Hotline: 0049(0)6659-87-300, kcl-uk@kcl.de), or equivalent.
Skin that comes into contact with the product should be treated with protective cream. After such contact, the product concerned should under no circumstances be used.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other.

Body Protection Impervious clothing
Skin should be washed after contact.

c) Respiratory protection Employees involved in spraying work or in the immediate vicinity of such work should use a P2 particle filter against spray fog.
Respiratory protection complying with EN 143.

Environmental exposure controls

General advice The product should not be allowed to enter drains, water courses or the soil.

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If the product contaminates rivers and lakes or drains
inform respective authorities.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

| | |
|---|----------------------------------|
| Appearance | liquid |
| Colour | white |
| Odour | mild |
| Odour Threshold | No data available |
| pH | ca. 11 - 12 not determined |
| Melting point/freezing point | < 0 °C |
| Initial boiling point and boiling range | No data available |
| Flash point | > 100 °C |
| Evaporation rate | not applicable |
| Flammability (solid, gas) | not applicable |
| Upper explosion limit / Upper flammability limit | No data available |
| Lower explosion limit / Lower flammability limit | No data available |
| Vapour pressure | No data available |
| Vapour density | No data available |
| Density | ca. 1,45 - 1,6 g/cm ³ |
| Solubility(ies) Water solubility | completely miscible |
| Auto-ignition temperature | not auto-flammable |
| Decomposition temperature | No data available |

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Viscosity
Viscosity, dynamic ca. 1.500 - 2.000 mPa.s

9.2 Other information

Flow time No data available

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

Hazardous reactions This information is not available.

10.4 Conditions to avoid

Conditions to avoid Stable under recommended storage and handling conditions (see section 7).

10.5 Incompatible materials

Materials to avoid Strong acids
Oxidizing agents

10.6 Hazardous decomposition products

Hazardous decomposition products No decomposition if stored and applied as directed.
Decomposition temperature No data available

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity

Product:

Acute oral toxicity Based on available data, the classification criteria are not met.

Acute inhalation toxicity Based on available data, the classification criteria are not met.

Acute dermal toxicity Based on available data, the classification criteria are not met.

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Skin corrosion/irritation**Product:**

Based on available data, the classification criteria are not met.

Serious eye damage/eye irritation**Product:**

Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation**Product:**

Based on available data, the classification criteria are not met.

Germ cell mutagenicity**Product:**

Genotoxicity in vitro

Based on available data, the classification criteria are not met.

Carcinogenicity**Product:**

Based on available data, the classification criteria are not met.

Reproductive toxicity**Product:**

Effects on fertility

Based on available data, the classification criteria are not met.

Developmental Toxicity

Based on available data, the classification criteria are not met.

STOT - single exposure**Product:**

Based on available data, the classification criteria are not met.

STOT - repeated exposure**Product:**

Based on available data, the classification criteria are not met.

Aspiration toxicity**Product:**

Based on available data, the classification criteria are not met.

Experience with human exposure**Product:**

General Information

Long-term or repeated contact with the product leads to degreasing of the skin and can cause nonallergenic

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contact skin damage (contact dermatitis) and / or the resorption of substances.

Danger of irritation to eyes, nose, throat and the air passages.

Further information

Product:

The product itself has not been tested. The mixture is classified in accordance with Annex I to EC Directive 1272/2008. (See sections 2 and 3 for details).

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Product:

Toxicity to fish No data available

12.2 Persistence and degradability

Product:

Biodegradability No data available

12.3 Bioaccumulative potential

Product:

Bioaccumulation No data available

12.4 Mobility in soil

Product:

Mobility No data available

12.5 Results of PBT and vPvB assessment

Product:

Assessment This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Other adverse effects

Product:

Additional ecological information The product is alkaline. Do not allow product to enter into ground water, bodies of water or sewage systems.

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SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

| | |
|----------------------------------|---|
| Product | The user is responsible for proper coding and marking of any waste. Dispose of as special waste in compliance with local and national regulations. Partial and residual quantities can be reused. |
| Contaminated packaging | Packaging that is not properly emptied must be disposed of as the unused product. Empty packaging should be recycled through disposal systems. |
| Waste key for the unused product | 08 01 12 Waste paint and varnish other than those covered by 08 01 11 |

SECTION 14: TRANSPORT INFORMATION

14.1 UN number

Not regulated as a dangerous good

14.2 UN proper shipping name

Not regulated as a dangerous good

14.3 Transport hazard class(es)

Not regulated as a dangerous good

14.4 Packing group

Not regulated as a dangerous good

14.5 Environmental hazards

Not regulated as a dangerous good

14.6 Special precautions for user

Remarks This information is not available.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

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Remarks Not applicable

SECTION 15: REGULATORY INFORMATION

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

VOC
Directive 2010/75/EU < 0,1 %

VOC
Directive 2004/42/EC < 0,1 %

EU limit value for this product (cat. A/a) :30 g/l
This product contains max30 g/lVOC.

Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals Not applicable

Other regulations Comply with the statutory regulations on health and safety at work.

15.2 Chemical safety assessment

This information is not available.

SECTION 16: OTHER INFORMATION

Changes from the previous version are indicated by markings in the left-hand margin.

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The information in this Safety Data Sheet corresponds to our present state of knowledge and conforms to both national and EU legislation. The user's working conditions are, however, beyond our knowledge and control. The user is responsible for complying with all necessary legal requirements. The information in this Safety Data Sheet describes the safety requirements of our product and does not constitute any assurance of product properties.

Full text of other abbreviations

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

Further information

Other information

The assessment was carried out in accordance with Article 6 (5) and Appendix I of EC Directive no. 1272/2008.

It is possible in the interim period that you may find different markings on packaging compared to the

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Material Safety Data Sheet until stocks have been used up. We ask for your understanding in this matter.

Department issuing
MSDS
REG_EU / EN

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