

SÜDWEST RissGrund

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- EUH210 Safety data sheet available on request.
- EUH211 Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

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.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 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

Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
titanium dioxide	13463-67-7 236-675-5 01-2119489379-17-XXXX	Carc. 2; H351, Note V, Note W, Note 10	≥ 1 - < 10

For explanation of abbreviations see section 16.

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.

SÜDWEST RissGrund faserarmiert

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 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 (CO ₂) Dry chemical Water spray
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Unsuitable extinguishing media	High volume water jet
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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

SÜDWEST RissGrund

faserarmiert

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 material for containment and cleaning up

Contain spillage, and then collect with non-combustible 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.

SÜDWEST RissGrund faserarmiert

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 Regulation (EU) 2016/425 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.
If the product contaminates rivers and lakes or drains inform respective authorities.

SÜDWEST RissGrund faserarmiert

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	pasty
Colour	white
Odour	Weak, characteristic
Odour Threshold	No data available
pH	ca. 11,3 - 11,8 (20 °C)
Melting point/freezing point	Not applicable
Initial boiling point and boiling range	not applicable
Flash point	not applicable
Evaporation rate	not applicable
Flammability (solid, gas)	The product is not flammable.
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. 1,5 - 1,7 g/cm ³ (20 °C)
Solubility(ies) Water solubility	completely miscible
Partition coefficient: n-octanol/water	not determined
Auto-ignition temperature	not auto-flammable
Decomposition temperature	No data available
Viscosity Viscosity, dynamic	ca. 2.000 - 2.500 mPa.s (20 °C)
Explosive properties	Not explosive
Oxidizing properties	Not applicable

SÜDWEST RissGrund faserarmiert

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

No decomposition if stored and applied as directed.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

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.

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.

SÜDWEST RissGrund

faserarmiert

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.

Components:

titanium dioxide:

Suspected of causing cancer.

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.

Toxicology, Metabolism, Distribution**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).

11.2 Information on other hazards**Endocrine disrupting properties****Product:**

Assessment

: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SÜDWEST RissGrund

faserarmiert

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 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:

Remarks

: 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 Endocrine disrupting properties

Product:

Assessment

: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

12.7 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.

SÜDWEST RissGrund faserarmiert

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 or ID 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

14.6 Special precautions for user

Remarks This information is not available.

14.7 Maritime transport in bulk according to IMO instruments

Remarks Not applicable

SECTION 15: REGULATORY INFORMATION

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

SÜDWEST RissGrund faserarmiert

VOC
Directive 2010/75/EU 0,7 %

VOC
Directive 2004/42/EC 0,8 %
12,1 g/l

EU limit value for this product (cat. A/c) :40 g/l
This product contains max40 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. 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 H-Statements

H351 : Suspected of causing cancer if inhaled.

Full text of other abbreviations

Carc. : Carcinogenicity

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIIC - Australian Inventory of Industrial Chemicals; 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 -

SÜDWEST RissGrund faserarmiert

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; TECI - Thailand Existing Chemicals 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 Material Safety Data Sheet until stocks have been used up. We ask for your understanding in this matter.

Department issuing MSDS
REG_EU / EN

sdb@suedwest.de

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