Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 01.10.2025 Version number 10 (replaces version 9) Revision: 01.10.2025

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

· 1.1 Product identifier

· Trade name: Bakit EK neu

· 1.2 Relevant identified uses of the substance or mixture and uses advised against: none

· Sector of Use: SU21 Consumer uses: Private households / general public / consumers
SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

· Product category: PC1 Adhesives, sealants

· Application of the substance / the mixture: Adhesives

· 1.3 Details of the supplier of the safety data sheet

· Manufacturer/Supplier: Kiesel Bauchemie GmbH & Co. KG
Wolf-Hirth-Str. 2

D-73730 Esslingen

Tel.:+49(0)711/93134-0
Fax:+49(0)711/93143-140
E-Mail: sida@kiesel.com

· Informing department: Laboratory, departments of enviromental protection and labor protection

· 1.4 Emergency telephone number: Poison Information Center Freiburg Tel.: +49(0)761/ 19240 (24h German and English)

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

· Precautionary statements: P302+P352 IF ON SKIN: Wash with plenty of water.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

· Additional information: EUH210 Safety data sheet available on request.

· 2.3 Other hazards: Product hydrolyses to form methanol (CAS No.: 67-56-1). Methanol is toxic by inhalation, in contact with skin and if swallowed. Methanol damages the organs. Methanol is highly flammable.

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· **Results of PBT and vPvB assessment**
· **PBT:** Not applicable.
· **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

· **3.2 Mixtures**

· **Dangerous components:**

CAS: 2768-02-7	trimethoxyvinylsilane Consisting of: 67-56-1 methanol (>0.1-<0.3%) Flam. Liq. 3, H226 Acute Tox. 4, H332; Skin Sens. 1B, H317	≥1-<2.5%

· **SVHC** This product does not contain SVHC substances > 0.1%
· **Additional information** For further information, see chapter 11
For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

· **4.1 Description of first aid measures**

· **General information** If you feel unwell, seek medical advice.
· **After inhalation** Seek medical treatment in case of complaints.
· **After skin contact** The product is not skin irritating.
Instantly wash with water and soap and rinse thoroughly.
· **After eye contact** Rinse opened eye for several minutes under running water.
· **After swallowing** In case of persistent symptoms consult doctor.
· **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** CO2, extinguishing powder or water jet. Fight larger fire with alcohol-resistant foam.
· **For safety reasons unsuitable extinguishing agents** Water with a full water jet.
· **5.2 Special hazards arising from the substance or mixture** Formation of poisonous gases during heating or in fires.
No further relevant information available.

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· **5.3 Advice for firefighters**
· **Protective equipment:** Wear non-circulation breathing equipment and chemical-protective clothing. Do not inhale explosion gases or fire fumes.

SECTION 6: Accidental release measures

· **6.1 Personal precautions, protective equipment and emergency procedures** Not required.
· **6.2 Environmental precautions:** No special measures required.
· **6.3 Methods and material for containment and cleaning up:** Take-up with liquid binding material (sand, diatomaceous earth, acid binding agent, universal binding agent).
· **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 information on disposal.

SECTION 7: Handling and storage

· **7.1 Precautions for safe handling**
· **Information about protection against explosions and fires:** No special measures required.

· **7.2 Conditions for safe storage, including any incompatibilities**
· **Storage**
· **Requirements to be met by storerooms and containers:** No special requirements.
· **Information about storage in one common storage facility:** Not required.
· **Further information about storage conditions:** None.
· **Storage class** 10
· **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

· **8.1 Control parameters**
· **Components with critical values that require monitoring at the workplace:**

· DNELs		
CAS: 2768-02-7 trimethoxyvinylsilane		
Oral	Long-term value	0.3 mg/kg/d (Consumer)

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Dermal	Long-term value	6.7 mg/kg/d (Worker)
		7.8 mg/kg/d (Consumer)
	Short-term value	0.69 mg/kg/d (Worker)
		26.9 mg/kg/d (Consumer)
Inhalative	Long-term value	27.6 mg/m³ (Worker)
		6.7 mg/m³ (Consumer)
	Short-term value	4.9 mg/m³ (Worker)
		93.4 mg/m³ (Consumer)

· PNECs

CAS: 2768-02-7 trimethoxyvinylsilane

Freshwater	0.4 mg/l (-) The value was determined for the following hydrolysis product: silanetriol
Salt water	0.04 mg/l (-) The value was determined for the following hydrolysis product: silane triol
Freshwater Sediment	1.5 mg/kg (-) The value was determined for the following hydrolysis product: silane triol
Ground	0.06 mg/kg (-) The value was determined for the following hydrolysis product: silane triol
Sewage Planbt	6.6 mg/l (-) The value was determined for the following hydrolysis product: silane triol

· Additional information: The lists that were valid during the compilation were used as basis.

· 8.2 Exposure controls
· Appropriate engineering controls: No further data; see section 7.
· Individual protection measures, such as personal protective equipment
· General protective and hygienic measures: Wash hands during breaks and at the end of the work.
· Breathing equipment: Suitable respiratory protection for low concentrations or short-term exposure: Particle filter EN 143 type P2 (medium retention capacity (solid and liquid pollutant particles)).
· Hand protection: Protective gloves.
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
· Material of gloves: Butyl rubber, BR
Recommended hand protection brands DIN EN 374

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· Penetration time of glove material	The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
· Eye/face protection	Safety glasses recommended during refilling.

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SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties	
· Physical state	Liquid
· Colour:	Beige
· Smell:	Characteristic
· Odour threshold:	Not determined.
· Melting point/freezing point:	Not determined
· Boiling point or initial boiling point and boiling range	
· Flammability	Not applicable.
· Lower and upper explosion limit	
· Lower:	Not determined.
· Upper:	Not determined.
· Flash point:	65 °C
· Decomposition temperature:	Not determined.
· pH	Mixture reacts violently with water.
· Viscosity:	
· Kinematic viscosity	Not determined.
· dynamic at 20 °C:	30,000 mPas
· Solubility	
· Water at 20 °C:	1.8 g/l
· Partition coefficient n-octanol/water (log value)	Not determined.
· Steam pressure:	Not determined.
· Density and/or relative density	
· Density at 20 °C	1.7 g/cm³
· Relative density	Not determined.
· Settled apparent density	1 kg/m³
· Vapour density	Not determined.

· 9.2 Other information	
· Appearance:	
· Form:	Pasty
· Self-inflammability:	Product is not selfigniting.
· Explosive properties:	Product is not explosive.
· Solvent content:	
· Organic solvents:	<2.0 %
· Solids content:	65.8-66.2 %
· Volatile Organic Compounds	<33.8 g/l <1.99 %
· Molecular weight	184.4 g/mol

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· Change in condition	
· Evaporation rate	Not determined.
· Information with regard to physical hazard classes	
· Explosives	Void
· Flammable gases	Void
· Aerosols	Void
· Oxidising gases	Void
· Gases under pressure	Void
· Flammable liquids	Void
· Flammable solids	Void
· Self-reactive substances and mixtures	Void
· Pyrophoric liquids	Void
· Pyrophoric solids	Void
· Self-heating substances and mixtures	Void
· Substances and mixtures, which emit flammable gases in contact with water	Void
· Oxidising liquids	Void
· Oxidising solids	Void
· Organic peroxides	Void
· Corrosive to metals	Void
· Desensitised explosives	Void

SECTION 10: Stability and reactivity

· 10.1 Reactivity	No further relevant information available.
· 10.3 Possibility of hazardous reactions	No dangerous reactions known
· 10.4 Conditions to avoid	No further relevant information available.
· 10.5 Incompatible materials:	Reacts with water. Reaction causes the formation of: methanol
· 10.6 Hazardous decomposition products:	Formation of small amounts of methanol on contact with water (or air humidity).

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SECTION 11: Toxicological information

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

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

· LD/LC50 values that are relevant for classification:

CAS: 2768-02-7 trimethoxyvinylsilane

Oral	LD50	7,120-7,236 mg/kg (Rat)
Dermal	LD50	3,200 mg/kg (Rabbit)

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		3,760 mg/kg (rabbit)
Inhalative	LC50/4 h	16.8 mg/l (Rat)

· **Specific symptoms in biological assay:** Vinyltrimethoxysilane (VTMS) is classified as skin sensitiser category 1B according to Annex VI of Regulation (EC) No 1772/2008 based on vivo data with laboratory animals. However, no allergic reactions were observed after occupational contact. Mixtures with VTMS (up to 5% active substance) in polymers (polydimethylsiloxane and silane-terminated polyethers) of different viscosities down to 60 mPas were tested in the "local lymph node assay" (OECD 429). None of the mixtures showed a sensitising potential. This result can be taken into account in the classification and labelling of polymer mixtures by expert evaluation taking into account the entire composition.
Data on the product:
Exposure routes
Exposure routes Result
Skin contact
Does not cause skin sensitisation.
(Species: Guinea pig, Test system: Maximisation test, Method: OECD 406, Source: Test report)
Skin contact
Does not cause skin sensitisation.
(Species: Guinea pig, Test system: Buehler test, Method: OECD 406, Source: Test report)
Skin contact
Sensitising
(Species: Guinea pig, Test system: Buehler test, Method: OECD 406, Source: Test report)
Skin contact
Does not cause skin sensitisation.
(Species: not specified, Test system: Human experience, Method: No guideline available, Source: Expert judgement)

· **Primary irritant effect:**
· **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
· **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
· **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.

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· 11.2 Information on other hazards

· Endocrine disrupting properties
None of the ingredients is listed.

SECTION 12: Ecological information

· 12.1 Toxicity

· Aquatic toxicity:	
CAS: 2768-02-7 trimethoxyvinylsilane	
EC50 (48h)	169 mg/l (Dap)
IC 50	210 mg/l (Alge (Selenastrum capricornutum))
LC 50 48h	191 mg/l (Oncorhychus mykiss (Regenbogenforelle))
NOEC	25 mg/l (Alge (Selenastrum capricornutum))

· 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.

· 12.5 Results of PBT and vPvB assessment

· PBT: Not applicable.

· vPvB: Not applicable.

· 12.6 Endocrine disrupting properties: The product does not contain substances with endocrine disrupting properties.

· 12.7 Other adverse effects

· Additional ecological information:

· General notes: Water hazard class 1 (Self-assessment): slightly hazardous for water.
Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

SECTION 13: Disposal considerations

· 13.1 Waste treatment methods

· Recommendation: Disposal according to official regulations

· European waste catalogue	
08 04 10	waste adhesives and sealants other than those mentioned in 08 04 09

· Uncleaned packagings:

· Recommendation: Disposal must be made according to official regulations.

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SECTION 14: Transport information

· 14.1 UN number or ID number · ADR, ADN, IMDG, IATA	Void
· 14.2 UN proper shipping name · ADR, ADN, IMDG, IATA	Void
· 14.3 Transport hazard class(es) · ADR, ADN, 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 Maritime transport in bulk according to IMO instruments	Not applicable.
· Transport/Additional information:	Not classified as dangerous in the meaning of transport regulations.
· UN "Model Regulation":	Void

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 are included

· DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

None of the ingredients is listed.

· REGULATION (EU) 2019/1148

· Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

None of the ingredients is listed.

· Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.

· Regulation (EC) No 273/2004 on drug precursors

CAS: 108-88-3	toluene	3

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· **Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

CAS: 108-88-3	toluene	3

· **National regulations**

· **Information about limitation of use:** Employment restrictions concerning young persons must be observed.
Employment restrictions concerning pregnant and lactating women must be observed.

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

SECTION 16: Other information

This information describes exclusively the safety requirements for the product(s) and is based on the present level of our knowledge. It does not constitute a legal warranty regulations. The delivery specifications are contained in the corresponding product sheet.
This Safety Data Sheets is in compliance with Regulation (EC) No 1907/2006, Article 31 as amended by Regulation (EU) 2020/878.

· **Date of previous version:** 06.08.2025

· **Version number of previous version:** 9

· **Abbreviations and acronyms:**
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
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)
DNEL: Derived No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
SVHC: Substances of Very High Concern
vPvB: very Persistent and very Bioaccumulative
Flam. Liq. 3: Flammable liquids – Category 3
Acute Tox. 4: Acute toxicity – Category 4
Skin Sens. 1B: Skin sensitisation – Category 1B

· * **Data compared to the previous version altered.**

· **Comment** The information is based on our knowledge we do have so far. However it is not a confirmation of productfeatures and does not establish contractual legal relarionship. Use, operation and processing are the responsibility of the customer.