Safety Data Sheet
according to HPR, Schedule 1

Date of issue 10/01/2026 **Version number 7** **Revision: 10/01/2026**

1 Identification

· **Product identifier**

· **Trade name:** **Bakit FPK**
· **Other means of identification**
· **Application of the substance / the mixture** Adhesives

· **Details of the supplier of the safety data sheet**
· **Manufacturer/Supplier:** Kiesel Bauchemie GmbH & Co. KG
Wolf-Hirth-Str. 2
D-73730 Esslingen
Germany
E-Mail:
info.canada@cemex.com
info.usa@cemex.com

· **Information department:** Laboratory, departments of enviromental protection and labor protection
· **Emergency telephone number:** ChemTel Expert Assiatance Hotline 800-255-2824

2 Hazard identification

· **Classification of the substance or mixture**



GHS07

Sensitization - skin – Category 1 H317 May cause an allergic skin reaction.

Flammable liquids – Category 4 H227 Combustible liquid.
· **Additional information:** The full text of the classification and labeling elements mentioned is given in Section 16.

· **Label elements**
· **GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS).
· **Hazard pictograms**



GHS07

· **Signal word** Warning

· **Hazard-determining components of labeling:** Trimethoxyvinylsilan
· **Hazard statements** Combustible liquid.
May cause an allergic skin reaction.
· **Precautionary statements** Keep out of reach of children.
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Avoid breathing dust/fume/gas/mist/vapours/spray.
Contaminated work clothing should not be allowed out of the workplace.
Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
IF ON SKIN: Wash with plenty of water.
If skin irritation or rash occurs: Get medical advice/attention.
Specific treatment (see on this label).
Wash contaminated clothing before reuse.

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In case of fire: Use CO_2, powder or water spray to extinguish.
Store in a well-ventilated place. Keep cool.
Dispose of contents/container in accordance with local/ regional/national/international regulations.

· Information pertaining to particular dangers for man and environment:
· Classification system:
· NFPA ratings (scale 0 - 4)



Health = 0
Fire = 2
Reactivity = 0

· HMIS-ratings (scale 0 - 4)



Health = 0
Fire = 2
Reactivity = 0

· Other hazards

Product hydrolyzes 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.

3 Composition/Information on ingredients

· Composition/Information on ingredients .
· Chemical characterization: Mixtures

· Dangerous components:

CAS: 2768-02-7	Trimethoxyvinylsilan Consisting of: 67-56-1 Methanol (>0.1-<0.3%) Flammable liquids – Category 3, H226 Acute Toxicity (Inhalation) - Category 4, H332; Sensitization - skin – Category 1B, H317	1-5% w/w *

* Actual concentration ranges are withheld as a trade secret.

· Additional information: For the wording of the listed hazard phrases refer to section 16.

4 First-aid measures

· Description of first aid measures

· General information: If you feel unwell, seek medical advice.
· After inhalation: Supply fresh air and to be sure call for a doctor.
In case of unconsciousness place patient stably in side position for transportation.
Seek medical treatment in case of complaints.
· After skin contact: Generally the product does not irritate the skin.
Immediately wash with water and soap and rinse thoroughly.
· After eye contact: Rinse opened eye for several minutes under running water.
· After swallowing: If symptoms persist consult doctor.
· Most important symptoms and effects, both acute and delayed No further relevant information available.

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· Indication of any immediate medical attention and special treatment needed: No further relevant information available.

5 Fire-fighting measures

· Extinguishing media
· Suitable extinguishing agents: CO_2, extinguishing powder or water spray. Fight larger fire with alcohol resistant foam.
· For safety reasons unsuitable extinguishing agents: Water with full jet
· Special hazards arising from the substance or mixture: During heating or in case of fire poisonous gases are produced.
No further relevant information available.
· Advice for firefighters
· Protective equipment: Wear non-circulation breathing equipment and chemical-protective clothing. Do not inhale explosion gases or fire fumes.

6 Accidental release measures

· Personal precautions, protective equipment and emergency procedures: Not required
· Environmental precautions: No special measures required.
· Methods and material for containment and cleaning up: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to section 13.
· 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

· Precautions for safe handling: Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
· Information about protection against explosions and fires: No special measures required.

· Conditions for safe storage, including any incompatibilities
· Storage:
· Requirements to be met by storerooms and receptacles: No special requirements.
· Information about storage in one common storage facility: Not required
· Further information about storage conditions: None.

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· Specific end use(s) No further relevant information available.

8 Exposure controls/ Personal protection

· Control parameters

· Components with limit values that require monitoring at the workplace:	
CAS: 2768-02-7 Trimethoxyvinylsilan	
EV (Canada)	STEL: 60 mg/m³, 10 ppm

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

· Exposure controls
· Appropriate engineering controls: No further data; see section 7.
· Personal protective equipment:
· General protective and hygienic measures: Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of 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))
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.
· Protection of hands: 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
· 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 protection: Goggles recommended during refilling.

*

9 Physical and chemical properties

· Information on basic physical and chemical properties

· Physical state	Liquid
· Color:	Beige
· Odor:	Characteristic
· Odor threshold:	Not determined
· Melting point/Melting range:	undetermined
· Boiling point/Boiling range:	Undetermined
· Flammability:	Not applicable
· Explosion limits:	
· Lower:	Not determined
· Upper:	Not determined

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· Flash point:	65 °C
· Decomposition temperature:	Not determined
· pH-value:	Mixture reacts violently with water.
· Viscosity:	
· Kinematic:	Not determined
· Dynamic at 20 °C:	30,000 mPas
· Solubility in / Miscibility with	
· Water at 20 °C:	1.8 g/l
· Partition coefficient (n-octanol/water):	Not determined
· Vapor pressure:	Not determined
· Vapor pressure:	
· Density at 20 °C:	1.7 g/cm³
· Relative density	Not determined
· Bulk density:	1 kg/m³
· Vapor density	Not determined
· Particle characteristics	Not applicable

· Other information	
· Appearance:	
· Form:	Paste
· AUTO IGNITION:	Not self igniting
· Danger of explosion:	Not determined
· Solvent content:	
· Organic solvents:	<2.0 %
· VOC-Content	<0.01 % <0.2 g/l / <0.00 lb/gal
· Solids content:	66.0 %
· Volatile Organic Compounds	<33.8 g/l <1.99 %
· Change in condition	
· Evaporation rate	Not determined

10 Stability and reactivity

· Reactivity	No further relevant information available.
· Chemical stability	
· 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:	Reacts with water. Reaction causes the formation of: methanol
· Hazardous decomposition products:	On contact with water (or air humidity) formation of small amounts of methanol

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11 Toxicological information

· Information on toxicological effects
· Acute toxicity:

· LD/LC50 values that are relevant for classification:

CAS: 2768-02-7 Trimethoxyvinylsilan

Oral	LD50	7,120-7,236 mg/kg (Rat)
Dermal	LD50	3,200 mg/kg (Rabbit)
		3,760 mg/kg (rabbit)
Inhalative	LC50/4 h	16.8 mg/l (Rat)

· Primary irritant effect:
· on the skin: No irritant effect.
· on the eye: No irritating effect.
· Sensitization: Sensitization possible through skin contact.
· Additional toxicological information: The product shows the following dangers according to internally approved calculation methods for preparations:
Irritant

· Carcinogenic categories

· IARC (International Agency for Research on Cancer)

CAS: 108-88-3	Toluol	3

· NTP (National Toxicology Program)

None of the ingredients is listed.

12 Ecological information

· Toxicity

· Aquatic toxicity:

CAS: 2768-02-7 Trimethoxyvinylsilan

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))

· Persistence and degradability No further relevant information available.
· Bioaccumulative potential No further relevant information available.
· Mobility in soil No further relevant information available.
· Results of PBT and vPvB assessment
· PBT: Not applicable
· vPvB: Not applicable
· Other adverse effects
· Additional ecological information:

· General notes: Water hazard class 1 (Self-assessment): slightly hazardous for water

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Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

13 Disposal considerations

· Waste treatment methods
· Recommendation: Disposal in accordance with official regulations
· Uncleaned packagings:
· Recommendation: Disposal must be made according to official regulations.

14 Transport information

· UN-Number · DOT/TDG, ADR, ADN, IMDG, IATA	Void
· UN proper shipping name · DOT/TDG, ADR, ADN, IMDG, IATA	Void
· Transport hazard class(es) · DOT/TDG, ADR, ADN, IMDG, IATA · Class	Void
· Packing group · DOT/TDG, ADR, IMDG, IATA	Void
· Environmental hazards: · Marine pollutant:	No
· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable
· Transport/Additional information:	Not dangerous according to the above specifications.
· Special precautions for user	Not applicable
· UN "Model Regulation":	Void

15 Regulatory information

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

· Section 355 (extremely hazardous substances):
None of the ingredient is listed.

· Section 313 (Specific toxic chemical listings):
None of the ingredients is listed.

· TSCA (Toxic Substances Control Act):

CAS: 16389-88-1	Dolomit	ACTIVE
CAS: 611222-18-5	Silanterminierter Polyether	ACTIVE
CAS: 471-34-1	Calciumcarbonat	ACTIVE

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CAS: 2768-02-7	Trimethoxyvinylsilan	ACTIVE
CAS: 13822-56-5	3-(Trimethoxysilyl)-propylamin	ACTIVE
CAS: 8001-78-3	Rizinusöl hydriert	ACTIVE
CAS: 2082-79-3	Octadecyl-3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionat	ACTIVE

· MAK (German Maximum Workplace Concentration)
None of the ingredients is listed.

· Per- and polyfluoroalkyl substances (PFAS)
None of the ingredients is listed.

· GHS label elements: The product is classified and labeled according to the Globally Harmonized System (GHS).

· Hazard pictograms:



GHS07

· Signal word: Warning

· Hazard-determining components of labeling: Trimethoxyvinylsilan

· Hazard statements:
Combustible liquid.
May cause an allergic skin reaction.

· Precautionary statements:
Keep out of reach of children.
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Avoid breathing dust/fume/gas/mist/vapours/spray.
Contaminated work clothing should not be allowed out of the workplace.
Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
IF ON SKIN: Wash with plenty of water.
If skin irritation or rash occurs: Get medical advice/attention.
Specific treatment (see on this label).
Wash contaminated clothing before reuse.
In case of fire: Use CO_2, powder or water spray to extinguish.
Store in a well-ventilated place. Keep cool.
Dispose of contents/container in accordance with local/regional/national/international regulations.

· 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.

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

16 Other information

To the best of our knowledge, the information contained in this MSDS is accurate. It is intended to assist the user in his evaluation of the product's harzards, and safety precautions to be taken in its use. The data on this MSDS relate only to the specific material designated herein. We do not assume any liability for the use, or reliance in this information, nor do we guarantee its accuracy or completeness.

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· **Relevant phrases** H226 Flammable liquid and vapour.
H317 May cause an allergic skin reaction.
H332 Harmful if inhaled.

· **Date of previous version** 11/22/2021

· **Version number of previous version:** 6

· **Date of preparation** 10/01/2026

· **Abbreviations and acronyms:**
IMDG: International Maritime Code for Dangerous Goods
DOT: US Department of Transportation
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)
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)
VOC: Volatile Organic Compounds (USA, EU)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative

· * Data compared to the previous version altered.