

Trade name: Schlüter®-KERDI-FIX GRAU**Product no.:** 571788**Current version :** 2.1.1, issued: 16.04.2018**Replaced version:** 2.1.0, issued: 10.01.2018**Region:** GB**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier****Trade name****Schlüter®-KERDI-FIX GRAU****1.2 Relevant identified uses of the substance or mixture and uses advised against****Relevant identified uses of the substance or mixture**

Sealants

Uses advised against

No data available.

1.3 Details of the supplier of the safety data sheet**Address**

Viega Technology GmbH & Co. KG

Viega Platz 1

57439 Attendorn

Telephone no. +49 2722 610

Fax no. + 49 2722 611415

Information provided by / telephone

+49 2722 61-1100

Advice on Safety Data Sheet

sdb_info@umco.de

1.4 Emergency telephone number

For medical advice (in German and English):

+49 (0)551 192 40 (Giftinformationszentrum Nord)

SECTION 2: Hazards identification**2.1 Classification of the substance or mixture****Classification information**

Classification and labelling with respect to corrosivity and irritation to skin are based on toxicological studies performed on the product (mixture).

Classification and labelling with respect to Serious eye damage/eye irritation are based on toxicological studies performed on the product (mixture).

This product is assessed and classified using the methods and criteria below referred to in Article 9 of Regulation (EC) n° 1272/2008:

Physical hazards: determined through assessment data based on the methods or standards referred to in part 2 of Annex I to CLP

Health hazards and environmental hazards: determined through toxicological and ecotoxicological assessment data based on the methods or standards referred to in Part 3, 4 and 5 of Annex I to CLP.

This product does not meet the classification criteria given in the Regulation (EC) No 1272/2008 (CLP).

2.2 Label elements**Labelling according to Regulation (EC) No 1272/2008 (CLP Regulation)****Hazard pictograms**

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Signal word

-

Hazard statement(s)

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Hazard statements (EU)

EUH210 Safety data sheet available on request.

Precautionary statement(s)

-

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Labelling information

The labelling (EU hazard statements) meets the criteria of annex II of Directive (EC) Nr. 1272/2008 (CLP).

2.3 Other hazards

Hydrolysis liberates small amounts of toxic methanol.

PBT assessment

The components of this product are not considered to be a PBT.

vPvB assessment

The components of this product are not considered to be a vPvB.

SECTION 3: Composition/information on ingredients**3.1 Substances**

Not applicable. The product is not a substance.

3.2 Mixtures**Hazardous ingredients**

No	Substance name		Additional information	
	CAS / EC / Index / REACH no	Classification (EC) 1272/2008 (CLP)	Concentration	%
1	trimethoxy(vinyl)silane			
	2768-02-7 220-449-8 - 01-2119513215-52	Acute Tox. 4; H332 Flam. Liq. 3; H226	< 5.00	%-b.w.
2	3-(trimethoxysilyl)propylamine			
	13822-56-5 237-511-5 - 01-2119510159-45	Skin Irrit. 2; H315 Eye Dam. 1; H318	< 2.50	%-b.w.

Full Text for all H-phrases and EUH-phrases: pls. see section 16

SECTION 4: First aid measures**4.1 Description of first aid measures****General information**

Remove contaminated clothing and shoes and launder thoroughly before reusing. If the patient is likely to become unconscious, place and transport in stable sideways position. In case of persisting adverse effects, consult a physician.

After inhalation

Ensure supply of fresh air. In case of persisting adverse effects consult a physician.

After skin contact

In case of contact with skin wash off immediately with copious amounts of water. Consult a doctor if skin irritation persists.

After eye contact

Remove contact lenses. Rinse eye thoroughly under running water keeping eyelids wide open and protecting the unaffected eye (at least 10 to 15 minutes). Get medical attention if pain still persists.

After ingestion

Rinse out mouth and give plenty of water to drink. Never give anything by mouth to an unconscious person. Do not induce vomiting. Call a doctor immediately.

4.2 Most important symptoms and effects, both acute and delayed

No data available.

4.3 Indication of any immediate medical attention and special treatment needed

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SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Carbon dioxide; Extinguishing powder; Water spray jet; Foam

Unsuitable extinguishing media

High power water jet

5.2 Special hazards arising from the substance or mixture

In the event of fire, the following can be released: Carbon dioxide (CO₂); Carbon monoxide (CO)

5.3 Advice for firefighters

Use self-contained breathing apparatus. Wear protective clothing.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Refer to protective measures listed in sections 7 and 8. Avoid contact with skin, eyes and clothing. Use personal protective clothing.

For emergency responders

No data available. Personal protective equipment (PPE) - see Section 8.

6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

6.3 Methods and material for containment and cleaning up

Take up mechanically. When picked up, treat material as prescribed under heading "Disposal considerations".

6.4 Reference to other sections

Information regarding safe handling, see chapter 7. Information regarding personal protective measures, see chapter 8. Information regarding waste disposal, see chapter 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling

Avoid contact with skin and eyes. Ensure adequate ventilation.

General protective and hygiene measures

Do not eat, drink or smoke during work time. Keep away from food, drink and animal feeding stuffs. Wash hands before breaks and after work.

Advice on protection against fire and explosion

No special measures necessary.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

Keep container tightly closed in a cool, well-ventilated place.

Requirements for storage rooms and vessels

Keep only in the original container. Containers which are opened must be carefully closed and kept upright to prevent leakage.

Advice on storage assembly

Do not store together with: Acids; Bases; Oxidizing agents

7.3 Specific end use(s)

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SECTION 8: Exposure controls/personal protection**8.1 Control parameters****Occupational exposure limit values**

No	Substance name	CAS no.	EC no.
1	methanol	67-56-1	200-659-6
List of approved workplace exposure limits (WELs) / EH40			
Methanol			
	STEL	333	mg/m ³ 250 ml/m ³
	TWA	266	mg/m ³ 200 ml/m ³
	Skin resorption / sensibilisation	Sk	
2006/15/EC			
Methanol			
	TWA	260	mg/m ³ 200 ppm
	Skin resorption / sensibilisation	Skin	

DNEL, DMEL and PNEC values**DNEL values (worker)**

No	Substance name	CAS / EC no		
	Route of exposure	Exposure time	Effect	Value
1	trimethoxy(vinyl)silane			2768-02-7 220-449-8
	dermal		systemic	0.69 mg/kg/day
	inhalative		systemic	4.9 mg/m ³
2	3-(trimethoxysilyl)propylamine			13822-56-5 237-511-5
	dermal	Long term (chronic)	systemic	8.3 mg/kg/day
	inhalative	Long term (chronic)	systemic	58 mg/m ³

DNEL value (consumer)

No	Substance name	CAS / EC no		
	Route of exposure	Exposure time	Effect	Value
1	trimethoxy(vinyl)silane			2768-02-7 220-449-8
	oral	Long term (chronic)	systemic	0.3 mg/kg/day
	dermal	Long term (chronic)	systemic	0.3 mg/kg/day
	dermal	Short term (acut)	systemic	26.9 mg/kg/day
	inhalative	Long term (chronic)	systemic	1.04 mg/m ³
	inhalative	Short term (acut)	systemic	93.4 mg/m ³
2	3-(trimethoxysilyl)propylamine			13822-56-5 237-511-5
	oral	Long term (chronic)	systemic	5 mg/kg/day
	dermal	Long term (chronic)	systemic	5 mg/kg/day
	inhalative	Long term (chronic)	systemic	17 mg/m ³

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PNEC values

No	Substance name	CAS / EC no	
	ecological compartment	Type	Value
1	trimethoxy(vinyl)silane	2768-02-7 220-449-8	
	water	fresh water	0.34 mg/L
	water	marine water	0.034 mg/L
	water	fresh water sediment	0.27 mg/kg moist mass
	soil	-	0.046 mg/kg moist mass
	sewage treatment plant	-	110 mg/L
2	3-(trimethoxysilyl)propylamine	13822-56-5 237-511-5	
	water	fresh water	0.33 mg/L
	water	marine water	0.033 mg/L
	water	Aqua intermittent	3.3 mg/L
	water	fresh water sediment	1.2 mg/kg dry weight
	water	marine water sediment	0.12 mg/kg dry weight
	soil	-	0.045 mg/kg dry weight
	sewage treatment plant	-	13 mg/L

8.2 Exposure controls

Appropriate engineering controls

No data available.

Personal protective equipment

Respiratory protection

If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn. In case of aerosol and mist formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified.

Eye / face protection

Safety glasses (EN 166)

Hand protection

Sufficient protection is given wearing suitable protective gloves checked according to i.e. EN 374, in the event of risk of skin contact with the product. Before use, the protective gloves should be tested in any case for its specific work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.

Appropriate Material	chloroprene		
Material thickness		0.75	mm
Appropriate Material	NBR		
Material thickness		0.85	mm
Appropriate Material	butyl rubber		
Material thickness		0.7	mm
Appropriate Material	PVC		
Material thickness		0.6	mm
Appropriate Material	Natural rubber, NR		
Material thickness		0.9	mm
Breakthrough time	>	480	min

Other

Chemical-resistant work clothes.

Environmental exposure controls

No data available.

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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form/Colour	
pasty	
grey	
Odour	
weak; characteristic	
Odour threshold	
No data available	
pH value	
No data available	
Boiling point / boiling range	
No data available	
Melting point / melting range	
No data available	
Decomposition point / decomposition range	
No data available	
Flash point	
Value	61 °C
Source	Supplier
Auto-ignition temperature	
Remarks	Product is not selfigniting.
Oxidising properties	
not oxidizing	
Explosive properties	
The product does not have explosive properties.	
Flammability (solid, gas)	
No data available	
Lower flammability or explosive limits	
No data available	
Upper flammability or explosive limits	
No data available	
Vapour pressure	
No data available	
Vapour density	
No data available	
Evaporation rate	
No data available	
Relative density	
No data available	
Density	
Value	1.5 g/cm ³
Reference temperature	20 °C
Source	Supplier
Solubility in water	
Source	Supplier
Remarks	Hydrolysis

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Solubility(ies)

No data available

Partition coefficient: n-octanol/water

No data available

Viscosity

No data available

9.2 Other information**Other information**

No data available.

SECTION 10: Stability and reactivity**10.1 Reactivity**

Hydrolysis liberates small amounts of toxic methanol.

10.2 Chemical stability

Stable under recommended storage and handling conditions (See section 7).

10.3 Possibility of hazardous reactions

Dangerous reactions are not to be expected when handling product according to its intended use.

10.4 Conditions to avoid

Heat; Moisture.

10.5 Incompatible materials

No data available.

10.6 Hazardous decomposition products

Methanol

SECTION 11: Toxicological information**11.1 Information on toxicological effects**

Acute oral toxicity			
No	Substance name	CAS no.	EC no.
1	trimethoxy(vinyl)silane	2768-02-7	220-449-8
LD50		7120 - 7236	mg/kg bodyweight
Species		rat	
Method		OECD 401	
Source		ECHA	
2	3-(trimethoxysilyl)propylamine	13822-56-5	237-511-5
LD50		> 2000	mg/kg bodyweight
Species		rat	
Method		OECD 401	
Source		ECHA	

Acute dermal toxicity			
No	Substance name	CAS no.	EC no.
1	trimethoxy(vinyl)silane	2768-02-7	220-449-8
LD50		3259 - 3880	mg/kg bodyweight
Species		rabbit	
Method		OECD 402	
Source		ECHA	
2	3-(trimethoxysilyl)propylamine	13822-56-5	237-511-5
LD50		> 2000	mg/kg bodyweight
Species		rabbit	
Method		OECD 402	
Source		ECHA	

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Acute inhalational toxicity (result of the ATE calculation for the mixture)	
No	Product Name
1	Schlüter®-KERDI-FIX GRAU
Remarks	The result of the applied calculation method according to the European Regulation (EC) 1272/2008 (CLP), Paragraph 3.1.3.6, Part 3 of Annex I is outside the values that imply a classification / labelling of this mixture according to table 3.1.1 defining the respective categories (ATE for inhalation: > 20.000 ppmV (gases), > 20 mg/l (vapours), > 5 mg/l (dusts/mists).

Acute inhalational toxicity			
No	Substance name	CAS no.	EC no.
1	trimethoxy(vinyl)silane	2768-02-7	220-449-8
LC50		16.8	mg/l
Duration of exposure		4	h
State of aggregation	Vapour		
Species	rat		
Method	OECD 403		
Source	ECHA		

Skin corrosion/irritation	
No	Product Name
1	Schlüter®-KERDI-FIX GRAU
Reference substance	Similar product
Source	Supplier
Evaluation	non-irritant

Serious eye damage/irritation	
No	Product Name
1	Schlüter®-KERDI-FIX GRAU
Reference substance	Similar product
Source	Supplier
Evaluation	non-irritant

Respiratory or skin sensitisation			
No	Substance name	CAS no.	EC no.
1	trimethoxy(vinyl)silane	2768-02-7	220-449-8
Route of exposure	Skin		
Species	guinea pig		
Method	OECD 406		
Source	ECHA		
Evaluation	non-sensitizing		
2	3-(trimethoxysilyl)propylamine	13822-56-5	237-511-5
Route of exposure	Skin		
Species	guinea pig		
Method	OECD 406		
Source	ECHA		
Evaluation	non-sensitizing		

Germ cell mutagenicity			
No	Substance name	CAS no.	EC no.
1	trimethoxy(vinyl)silane	2768-02-7	220-449-8
Method	OECD 471		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
2	3-(trimethoxysilyl)propylamine	13822-56-5	237-511-5
Type of examination	Bacterial Reverse Mutation Test		
Method	OECD 471		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		

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Reproduction toxicity			
No	Substance name	CAS no.	EC no.
1	trimethoxy(vinyl)silane	2768-02-7	220-449-8
Method		OECD 422	
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	
Carcinogenicity			
No data available			
STOT - single exposure			
No data available			
STOT - repeated exposure			
No data available			
Aspiration hazard			
No data available			

SECTION 12: Ecological information

12.1 Toxicity

Toxicity to fish (acute)			
No	Substance name	CAS no.	EC no.
1	trimethoxy(vinyl)silane	2768-02-7	220-449-8
LC50		191	mg/l
Duration of exposure		96	h
Species		Oncorhynchus mykiss	
Source		ECHA	
Toxicity to fish (chronic)			
No data available			
Toxicity to Daphnia (acute)			
No	Substance name	CAS no.	EC no.
1	trimethoxy(vinyl)silane	2768-02-7	220-449-8
EC50		168.7	mg/l
Duration of exposure		48	h
Species		Daphnia magna	
Method		EU C.2	
Source		ECHA	
Toxicity to Daphnia (chronic)			
No	Substance name	CAS no.	EC no.
1	trimethoxy(vinyl)silane	2768-02-7	220-449-8
NOEC		28	mg/l
Duration of exposure		21	day(s)
Species		Daphnia magna	
Method		OECD 211	
Source		ECHA	

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Toxicity to algae (acute)
No data available

Toxicity to algae (chronic)
No data available

Bacteria toxicity
No data available

12.2 Persistence and degradability

Biodegradability			
No	Substance name	CAS no.	EC no.
1	trimethoxy(vinyl)silane	2768-02-7	220-449-8
Type		BSB	
Value		51	%
Duration		28	day(s)
Method		OECD 301 F	
Source		ECHA	
Evaluation		not readily biodegradable	

12.3 Bioaccumulative potential

No data available.

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

Results of PBT and vPvB assessment	
PBT assessment	The components of this product are not considered to be a PBT.
vPvB assessment	The components of this product are not considered to be a vPvB.

12.6 Other adverse effects

No data available.

12.7 Other information

Other information
Do not discharge product unmonitored into the environment.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

Dispose of according to all applicable regulations upon consultation of the local competent authorities and the disposer in a suitable and authorised disposal facility.

Packaging

Completely emptied packagings can be given for recycling. Packaging that cannot be cleaned should be disposed of in agreement with the regional waste disposal company.

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SECTION 14: Transport information

14.1 Transport ADR/RID/ADN

The product is not subject to ADR/RID/ADN regulations.

14.2 Transport IMDG

The product is not subject to IMDG regulations.

14.3 Transport ICAO-TI / IATA

The product is not subject to ICAO-TI / IATA regulations.

14.4 Other information

No data available.

14.5 Environmental hazards

Information on environmental hazards, if relevant, please see 14.1 - 14.3.

14.6 Special precautions for user

No data available.

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

Not relevant

SECTION 15: Regulatory information

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

EU regulations

Regulation (EC) No 1907/2006 (REACH) Annex XIV (List of substances subject to authorisation)

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances considered as substances requiring authorisation as listed on Annex XIV of the REACH regulation (EC) 1907/2006.

REACH candidate list of substances of very high concern (SVHC) for authorisation

According to available data and the information provided by preliminary suppliers, the product does not contain substances that are considered substances meeting the criteria for inclusion in annex XIV (List of Substances Subject to Authorisation) as laid down in Article 57 and article 59 of REACH (EC) 1907/2006.

Regulation (EC) No 1907/2006 (REACH) Annex XVII: RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, PREPARATIONS AND ARTICLES

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances requiring authorisation as listed on Annex XIV of the REACH regulation (EC) 1907/2006.

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances

This product is not subject to Part 1 or 2 of Annex I.

Other regulations

Adhere to the national sanitary and occupational safety regulations when using this product.

15.2 Chemical safety assessment

A chemical safety assessment has not been carried out for this mixture.

SECTION 16: Other information

Sources of key data used to compile the data sheet:

Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case.

EC Directives 2000/39/EC, 2006/15/EC, 2009/161/EU

National Threshold Limit Values of the corresponding countries as amended in each case.

Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.

The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding chapter.

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Full text of the H- and EUH- phrases drawn up in sections 2 and 3 (provided not already drawn up in these sections)

H226	Flammable liquid and vapour.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H332	Harmful if inhaled.

Department issuing safety data sheet

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This information is based on our present knowledge and experience.

The safety data sheet describes products with a view to safety requirements.

It does not however, constitute a guarantee for any specific product properties and shall not establish a legally valid contractual relationship.

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