

# FE-Imprägnierung Komponente A

## Safety Data Sheet

according to Regulation (EU) 2015/830

Date of issue: 8/16/2018 Revision date: 10/4/2018 Version: 10.1



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

#### 1.1. Product identifier

Product form : Mixture  
Product name : FE-Imprägnierung Komponente A  
:

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

##### 1.2.1. Relevant identified uses

Main use category : Professional use  
Use of the substance/mixture : For professional users only  
Use of the substance/mixture : Two-pack reactive performance coatings for specific end use such as floors  
Impregnation agents

##### 1.2.2. Uses advised against

No additional information available

#### 1.3. Details of the supplier of the safety data sheet

##### Manufacturer

Knauf Gips KG  
Am Bahnhof 7  
97346 Iphofen - Deutschland  
T +49 932331-0 - F +49 932331-277  
[zentrale@knauf.de](mailto:zentrale@knauf.de) - [www.knauf.de](http://www.knauf.de)  
E-mail address of competent person responsible for the SDS : [sds-info@knauf.de](mailto:sds-info@knauf.de)

##### Technical information

Technischer Auskunft-Service Trockenbau und Boden  
T +49 (0)9001/31-1000 (siehe Abschnitt 16)  
[knauf-direkt@knauf.de](mailto:knauf-direkt@knauf.de)

#### 1.4. Emergency telephone number

No additional information available

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Skin Irrit. 2	H315
Eye Irrit. 2	H319
Skin Sens. 1	H317
Muta. 2	H341
Aquatic Chronic 2	H411

Full text of hazard classes and H-statements : see section 16

##### Adverse physicochemical, human health and environmental effects

Causes skin irritation. Causes serious eye irritation. May cause an allergic skin reaction. Suspected of causing genetic defects. Toxic to aquatic life with long lasting effects.

#### 2.2. Label elements

##### Labelling according to Regulation (EC) No. 1272/2008 [CLP] Extra labelling to display Extra classification(s) to display

Hazard pictograms (CLP) :



GHS07

GHS08

GHS09

Signal word (CLP) : Warning

Hazardous ingredients : reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700); Bisphenol F-epoxy resin; neodecanoic acid, oxiranylmethyl ester; reaction products of

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Hazard statements (CLP)	: hexane-1,6-diol with 2-(chloromethyl)oxirane (1:2) : H315 - Causes skin irritation. : H317 - May cause an allergic skin reaction. : H319 - Causes serious eye irritation. : H341 - Suspected of causing genetic defects. : H411 - Toxic to aquatic life with long lasting effects.
Precautionary statements (CLP)	: P273 - Avoid release to the environment. : P280 - Wear protective gloves, eye protection, protective clothing. : P302+P352 - IF ON SKIN: Wash with plenty of soap and water. : P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. : P308+P313 - IF exposed or concerned: Get medical advice/attention. : P337+P313 - If eye irritation persists: Get medical advice/attention. : P362+P364 - Take off contaminated clothing and wash it before reuse. : P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.
EUH-statements	: EUH205 - Contains epoxy constituents. May produce an allergic reaction.
Extra phrases	: Restricted to professional users MAXIMUM VOC CONTENT LIMIT VALUES FOR PAINTS AND VARNISHES. Product Subcategory: j (Type: SB): 500 g/l VOC content: < 500 g/l

### 2.3. Other hazards

No additional information available

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight $\leq$ 700)	(CAS-No.) 25068-38-6 (EC-No.) 500-033-5 (EC Index-No.) 603-074-00-8 (REACH-no) 01-2119456619-26	55-<60	Skin Sens. 1, H317 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 2, H411
Bisphenol F-epoxy resin	(CAS-No.) 9003-36-5 (EC-No.) 500-006-8 (REACH-no) 01-2119454392-40	20-<25	Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Chronic 2, H411
neodecanoic acid, oxiranylmethyl ester	(CAS-No.) 26761-45-5 (EC-No.) 247-979-2 (REACH-no) 01-2119431597-33	10-<15	Muta. 2, H341 Skin Sens. 1, H317 Aquatic Chronic 2, H411
reaction products of hexane-1,6-diol with 2-(chloromethyl)oxirane (1:2)	(CAS-No.) 933999-84-9 (EC-No.) 618-939-5 (REACH-no) 01-2119463471-41	5-<10	Skin Sens. 1, H317 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 3, H412
3-glycidyoxypropyltrimethoxysilane	(CAS-No.) 2530-83-8 (EC-No.) 219-784-2 (REACH-no) 01-2119513212-58	1-<5	Eye Dam. 1, H318

#### Specific concentration limits:

Name	Product identifier	Specific concentration limits
reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight $\leq$ 700)	(CAS-No.) 25068-38-6 (EC-No.) 500-033-5 (EC Index-No.) 603-074-00-8 (REACH-no) 01-2119456619-26	(C $\geq$ 5) Skin Irrit. 2, H315 (C $\geq$ 5) Eye Irrit. 2, H319

Full text of H-statements: see section 16

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### SECTION 4: First aid measures

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#### 4.1. Description of first aid measures

First-aid measures general	: Move the affected person away from the contaminated area. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
First-aid measures after inhalation	: In case of accident by inhalation : remove casualty to fresh air and keep at rest. When in doubt or if symptoms are observed, get medical advice.
First-aid measures after skin contact	: After contact with skin, wash immediately and thoroughly with polyethylene glycol, followed by plenty of water. Take off immediately all contaminated clothing. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention.
First-aid measures after eye contact	: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If symptoms persist, call a physician.
First-aid measures after ingestion	: Rinse mouth. Drink plenty of water. When in doubt or if symptoms are observed, get medical advice.

#### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects after skin contact	: Irritation. May cause an allergic skin reaction.
Symptoms/effects after eye contact	: Eye irritation.

#### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

### SECTION 5: Firefighting measures

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#### 5.1. Extinguishing media

Suitable extinguishing media	: Carbon dioxide (CO2). Foam. extinguishing powder.
Unsuitable extinguishing media	: high volume water jet.

#### 5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire	: Toxic fumes may be released.
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#### 5.3. Advice for firefighters

Protection during firefighting	: Use self-contained breathing apparatus and chemically protective clothing. Full suit.
Other information	: Use water spray to disperse the vapours. Do not allow run-off from fire fighting to enter drains or water courses.

### SECTION 6: Accidental release measures

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#### 6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Ensure adequate air ventilation. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothing. Wear personal protective equipment.
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##### 6.1.1. For non-emergency personnel

Emergency procedures	: Ventilate spillage area. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray.
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##### 6.1.2. For emergency responders

Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
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#### 6.2. Environmental precautions

Do not allow to enter drains or water courses.

#### 6.3. Methods and material for containment and cleaning up

For containment	: Collect spillage.
Methods for cleaning up	: Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.
Other information	: Dispose of materials or solid residues at an authorized site.

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### 6.4. Reference to other sections

For further information refer to section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling

: Ensure good ventilation of the work station. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid contact with skin and eyes. Wear personal protective equipment. Avoid breathing dust/fume/gas/mist/vapours/spray.

Hygiene measures

: Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions

: Keep container tightly closed. Store in a place accessible by authorised persons only. Use appropriate ventilation. Keep only in original container. Store in a dry place.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No additional information available

### 8.2. Exposure controls

#### Appropriate engineering controls:

Use appropriate ventilation. Do not breathe gas/fumes/vapour/spray.

#### Personal protective equipment:

Take off immediately all contaminated clothing. Wash hands before breaks and after work.

<b>Hand protection:</b>					
Impermeable protective gloves. Choosing the proper glove is a decision that depends not only on the type of material, but also on other quality features, which differ for each manufacturer. Gloves must be replaced after each use and whenever signs of wear or perforation appear					
Type	Material	Permeation	Thickness (mm)	Penetration	Standard
Short term exposure	Nitrile rubber (NBR), Butyl rubber	1 (> 10 minutes)	0,4		EN 374
Repeated contact	Viton	2 (> 30 minutes)	0,4		EN 374
<b>Eye protection:</b>					
Protective goggles					
<b>Skin and body protection:</b>					
safety foot-wear. Rubber apron, boots. Long sleeved protective clothing					
Type	Standard				
Safety shoes	EN ISO 20345				
Rubber apron, boots	EN 14605				
<b>Respiratory protection:</b>					
In case of inadequate ventilation wear respiratory protection. Approved organic vapour respirator					

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Device	Filter type	Condition	Standard
Breathing apparatus with filter	Type A - High-boiling (>65 °C) organic compounds	Vapour protection	EN 14387



### Environmental exposure controls:

Avoid release to the environment.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Liquid.
Colour	: No data available
Odour	: Mild odour.
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: No data available
Flash point	: > 93 °C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: ≈ 1.13 g/cm <sup>3</sup> (ISO 2811-2)
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: 550 - 820 mPa.s (ISO 2884-1)
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

### 9.2. Other information

VOC content	: < 500 g/l
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## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

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### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified

Acute toxicity (dermal) : Not classified

Acute toxicity (inhalation) : Not classified

<b>reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight <math>\leq</math> 700) (25068-38-6)</b>	
LD50 oral rat	> 2000 mg/kg (OECD 420: Acute Oral toxicity – Acute Toxic Class Method, Rat, Female, Experimental value, Oral, 14 day(s))
LD50 dermal rat	> 2000 mg/kg (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male/female, Experimental value, Dermal)

<b>Bisphenol F-epoxy resin (9003-36-5)</b>	
LD50 oral rat	> 2000 mg/kg

<b>neodecanoic acid, oxiranylmethyl ester (26761-45-5)</b>	
LD50 oral rat	> 2000 mg/kg bodyweight (OECD 420: Acute Oral toxicity – Acute Toxic Class Method, Rat, Male/female, Experimental value, Oral)
LD50 dermal rat	> 2000 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male/female, Experimental value, Dermal)
LC50 inhalation rat (mg/l)	> 240 mg/m <sup>3</sup> (4 h, Rat, Expert judgement, Inhalation (vapours))
LC50 inhalation rat (ppm)	> 26 ppm (4 h, Rat, Expert judgement, Inhalation (vapours))

<b>reaction products of hexane-1,6-diol with 2-(chloromethyl)oxirane (1:2) (933999-84-9)</b>	
LD50 oral rat	2189 mg/kg bodyweight (OECD 401: Acute Oral Toxicity, Rat, Male/female, Experimental value, Oral, 15 day(s))

<b>3-glycidyoxypropyltrimethoxysilane (2530-83-8)</b>	
LD50 oral rat	8025 mg/kg bodyweight (Equivalent or similar to OECD 401, Rat, Male/female, Experimental value, Oral)
LD50 dermal rabbit	4250 mg/kg bodyweight (Equivalent or similar to OECD 402, 24 h, Rabbit, Male, Experimental value, Dermal)
LC50 inhalation rat (mg/l)	> 5.3 mg/l air (Equivalent or similar to OECD 403, 4 h, Rat, Male/female, Experimental value, Inhalation (aerosol))

Skin corrosion/irritation : Causes skin irritation.  
Serious eye damage/irritation : Causes serious eye irritation.  
Respiratory or skin sensitisation : May cause an allergic skin reaction.  
Germ cell mutagenicity : Suspected of causing genetic defects  
Carcinogenicity : Not classified  
Reproductive toxicity : Not classified

STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

Aspiration hazard : Not classified

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : Toxic to aquatic life with long lasting effects.

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Acute aquatic toxicity : Not classified  
 Chronic aquatic toxicity : Toxic to aquatic life with long lasting effects.

<b>reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight <math>\leq</math> 700) (25068-38-6)</b>	
LC50 fish 1	2.3 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Oncorhynchus mykiss, Semi-static system, Fresh water, Experimental value, Nominal concentration)
EC50 Daphnia 1	1.1 - 2.8 mg/l (Equivalent or similar to OECD 202, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, Locomotor effect)
ErC50 (algae)	> 11 mg/l (EPA 660/3 - 75/009, 72 h, Scenedesmus sp., Static system, Fresh water, Experimental value)

<b>neodecanoic acid, oxiranylmethyl ester (26761-45-5)</b>	
LC50 fish 1	5 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Oncorhynchus mykiss, Semi-static system, Fresh water, Experimental value, GLP)
EC50 Daphnia 1	4.8 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, GLP)
ErC50 (algae)	2.9 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, GLP)

<b>reaction products of hexane-1,6-diol with 2-(chloromethyl)oxirane (1:2) (933999-84-9)</b>	
LC50 fish 1	30 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Oncorhynchus mykiss, Semi-static system, Fresh water, Experimental value, GLP)
EC50 Daphnia 1	39 - 57 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, GLP)

<b>3-glycidyoxypropyltrimethoxysilane (2530-83-8)</b>	
LC50 fish 1	55 mg/l (EU Method C.1, 96 h, Cyprinus carpio, Semi-static system, Fresh water, Experimental value)
LC50 fish 2	237 mg/l (96 h, Salmo gairdneri, Static system, Literature, Young)
EC50 Daphnia 1	473 - 710 mg/l (48 h, Daphnia magna, Literature)
ErC50 (algae)	350 mg/l (72 h, Selenastrum capricornutum, Literature)

### 12.2. Persistence and degradability

<b>reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight <math>\leq</math> 700) (25068-38-6)</b>	
Persistence and degradability	Not readily biodegradable in water.

<b>neodecanoic acid, oxiranylmethyl ester (26761-45-5)</b>	
Persistence and degradability	Inherently biodegradable. Not readily biodegradable in water.

<b>reaction products of hexane-1,6-diol with 2-(chloromethyl)oxirane (1:2) (933999-84-9)</b>	
Persistence and degradability	Not readily biodegradable in water.

<b>3-glycidyoxypropyltrimethoxysilane (2530-83-8)</b>	
Persistence and degradability	Not readily biodegradable in water.

### 12.3. Bioaccumulative potential

<b>reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight <math>\leq</math> 700) (25068-38-6)</b>	
BCF other aquatic organisms 1	31 (Estimated value, Fresh weight)
Log Pow	2.64 - 3.78 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 25 °C)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).

<b>neodecanoic acid, oxiranylmethyl ester (26761-45-5)</b>	
Log Pow	4.4 (Experimental value, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 20 °C)
Bioaccumulative potential	Potential for bioaccumulation (4 $\geq$ Log Kow $\leq$ 5).

<b>reaction products of hexane-1,6-diol with 2-(chloromethyl)oxirane (1:2) (933999-84-9)</b>	
Log Pow	0.822 (Experimental value, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 20 °C)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).

<b>3-glycidyoxypropyltrimethoxysilane (2530-83-8)</b>	
Log Pow	-0.92 (Estimated value)
Bioaccumulative potential	Not bioaccumulative.

### 12.4. Mobility in soil

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<b>reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight <math>\leq</math> 700) (25068-38-6)</b>	
Surface tension	58.7 - 58.9 mN/m (20 °C, EU Method A.5: Surface tension)
Log Koc	2.65 (log Koc, SRC PCKOCWIN v2.0, QSAR)
Ecology - soil	Low potential for adsorption in soil.
<b>neodecanoic acid, oxiranylmethyl ester (26761-45-5)</b>	
Surface tension	0.0789 N/m (21 °C, 0.063 g/l)
Log Koc	2.16 (log Koc, OECD 121: Estimation of the Adsorption Coefficient (Koc) on Soil and on Sewage Sludge using High Performance Liquid Chromatography (HPLC), Experimental value, GLP)
Ecology - soil	Low potential for adsorption in soil.
<b>reaction products of hexane-1,6-diol with 2-(chloromethyl)oxirane (1:2) (933999-84-9)</b>	
Log Koc	2.98 (log Koc, OECD 121: Estimation of the Adsorption Coefficient (Koc) on Soil and on Sewage Sludge using High Performance Liquid Chromatography (HPLC), Experimental value, GLP)
Ecology - soil	Low potential for adsorption in soil.
<b>3-glycidyloxypropyltrimethoxysilane (2530-83-8)</b>	
Ecology - soil	No (test)data on mobility of the substance available.

### 12.5. Results of PBT and vPvB assessment

Component	
reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight $\leq$ 700) (25068-38-6)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
neodecanoic acid, oxiranylmethyl ester (26761-45-5)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
3-glycidyloxypropyltrimethoxysilane (2530-83-8)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
reaction products of hexane-1,6-diol with 2-(chloromethyl)oxirane (1:2) (933999-84-9)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

### 12.6. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
Product/Packaging disposal recommendations	: Prevent liquid from entering sewers, watercourses, underground or low areas. Dispose as hazardous waste.
European List of Waste (LoW) code	: 08 01 11* - waste paint and varnish containing organic solvents or other dangerous substances

## SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN	RID
<b>14.1. UN number</b>				
3082	3082	3082	3082	3082
<b>14.2. UN proper shipping name</b>				
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (epoxy resin)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (epoxy resin)	Environmentally hazardous substance, liquid, n.o.s. (epoxy resin)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (epoxy resin)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (epoxy resin)
<b>14.3. Transport hazard class(es)</b>				
9	9	9	9	9



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<b>14.4. Packing group</b>				
III	III	III	III	III
<b>14.5. Environmental hazards</b>				
Dangerous for the environment : Yes	Dangerous for the environment : Yes Marine pollutant : Yes	Dangerous for the environment : Yes	Dangerous for the environment : Yes	Dangerous for the environment : Yes
No supplementary information available				

### 14.6. Special precautions for user

#### - Overland transport

Classification code (ADR) : M6  
Limited quantities (ADR) : 5l  
Excepted quantities (ADR) : E1  
Transport category (ADR) : 3  
Tunnel restriction code (ADR) : -

#### - Transport by sea

No data available

#### - Air transport

PCA Excepted quantities (IATA) : E1  
PCA limited quantity max net quantity (IATA) : 30kgG

#### - Inland waterway transport

Classification code (ADN) : M6  
Limited quantities (ADN) : 5 L  
Excepted quantities (ADN) : E1

#### - Rail transport

Classification code (RID) : M6  
Excepted quantities (RID) : E1  
Transport category (RID) : 3

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

Not applicable

## SECTION 15: Regulatory information

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

#### 15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions  
Contains no substance on the REACH candidate list  
Contains no REACH Annex XIV substances

VOC content : < 500 g/l

#### 15.1.2. National regulations

No additional information available

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

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### SECTION 16: Other information

This safety data sheet replaces the previous version of 8/30/2018. The following changes were made:

Section	Changed item	Change	Comments
	Revision date	Modified	
	Supersedes	Modified	
15.1		Modified	

Full text of H- and EUH-statements:

Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Muta. 2	Germ cell mutagenicity, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H341	Suspected of causing genetic defects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
EUH205	Contains epoxy constituents. May produce an allergic reaction.

Other information

: Technical information service (see point 1):

A call to Knauf Direkt will be charged at 0.39 € per minute. Callers, the telephone numbers of whom are not saved in the Knauf Gips KG address database, e.g. private property owners or noncustomers, will pay 1.69 € per minute from the German network. Callers using mobile telephones will be charged according to the network provider and tariff.

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product*

# FE-Imprägnierung Komponente B

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

#### 1.1. Product identifier

Product form : Mixture  
Product name : FE-Imprägnierung Komponente B  
:

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

##### 1.2.1. Relevant identified uses

Main use category : Professional use  
Use of the substance/mixture : For professional users only  
Use of the substance/mixture : Two-pack reactive performance coatings for specific end use such as floors  
Impregnation agents

##### 1.2.2. Uses advised against

No additional information available

#### 1.3. Details of the supplier of the safety data sheet

##### Manufacturer

Knauf Gips KG  
Am Bahnhof 7  
97346 Iphofen - Deutschland  
T +49 932331-0 - F +49 932331-277  
[zentrale@knauf.de](mailto:zentrale@knauf.de) - [www.knauf.de](http://www.knauf.de)  
E-mail address of competent person responsible for the SDS : [sds-info@knauf.de](mailto:sds-info@knauf.de)

##### Technical information

Technischer Auskunft-Service Trockenbau und Boden  
T +49 (0)9001/31-1000 (siehe Abschnitt 16)  
[knauf-direkt@knauf.de](mailto:knauf-direkt@knauf.de)

#### 1.4. Emergency telephone number

No additional information available

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 4 (Oral)	H302
Skin Corr. 1B	H314
Skin Sens. 1	H317
Aquatic Chronic 2	H411

Full text of hazard classes and H-statements : see section 16

##### Adverse physicochemical, human health and environmental effects

Harmful if swallowed. Causes severe skin burns and eye damage. May cause an allergic skin reaction. Toxic to aquatic life with long lasting effects.

#### 2.2. Label elements

##### Labelling according to Regulation (EC) No. 1272/2008 [CLP] Extra labelling to display Extra classification(s) to display

Hazard pictograms (CLP) :



GHS05

GHS07

GHS09

Signal word (CLP) : Danger

Hazardous ingredients : Phenol, styrenated ; propylidynetrimethanol, propoxylated, reaction products with ammonia; 1,3-bis(aminomethyl)benzene, m-xylylenediamine; 3-aminomethyl-3,5-trimethylcyclohexylamine

Hazard statements (CLP) : H302 - Harmful if swallowed.

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Precautionary statements (CLP)	: H314 - Causes severe skin burns and eye damage. H317 - May cause an allergic skin reaction. H411 - Toxic to aquatic life with long lasting effects. P260 - Do not breathe vapours. P273 - Avoid release to the environment. P280 - Wear protective gloves, eye protection, protective clothing. P301+P330+P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water . P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 - Immediately call a POISON CENTER or doctor.
EUH-statements	: EUH071 - Corrosive to the respiratory tract.
Extra phrases	: For professional users only MAXIMUM VOC CONTENT LIMIT VALUES FOR PAINTS AND VARNISHES. Product Subcategory: j (Type: SB): 500 g/l VOC content: < 500 g/l

### 2.3. Other hazards

No additional information available

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Phenol, styrenated	(CAS-No.) 61788-44-1 (EC-No.) 262-975-0 (REACH-no) 01-2119980970-27	40-<45	Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Chronic 2, H411
propylidynetrimethanol, propoxylated, reaction products with ammonia	(CAS-No.) 39423-51-3 (EC-No.) 500-105-6 (REACH-no) 01-2119556886-20	30-<35	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Eye Dam. 1, H318 Aquatic Chronic 2, H411
1,3-bis(aminomethyl)benzene, m-xylylenediamine	(CAS-No.) 1477-55-0 (EC-No.) 216-032-5 (REACH-no) 01-2119480150-50	15-<20	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation), H332 Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1B, H317 Aquatic Chronic 3, H412
3-aminomethyl-3,5,5-trimethylcyclohexylamine	(CAS-No.) 2855-13-2 (EC-No.) 220-666-8 (EC Index-No.) 612-067-00-9 (REACH-no) 01-2119514687-32	10-<15	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Chronic 3, H412

Full text of H-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general	: Move the affected person away from the contaminated area. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	: In case of accident by inhalation : remove casualty to fresh air and keep at rest. When in doubt or if symptoms are observed, get medical advice.
First-aid measures after skin contact	: After contact with skin, wash immediately and thoroughly with polyethylene glycol, followed by plenty of water. Take off contaminated clothing and wash it before reuse. IN ALL CASES CONSULT A DOCTOR!.
First-aid measures after eye contact	: Immediately rinse with water for a prolonged period while holding the eyelids wide open. Contact ophthalmologist immediately.

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First-aid measures after ingestion : Drink plenty of water. Rinse mouth out with water. Do NOT induce vomiting. Potential adverse human health effects and symptoms. Gastric perforation. immediate medical attention.

### **4.2. Most important symptoms and effects, both acute and delayed**

Symptoms/effects after skin contact : Burns. May cause an allergic skin reaction.  
Symptoms/effects after eye contact : Serious damage to eyes.  
Symptoms/effects after ingestion : Burns.

### **4.3. Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.

## **SECTION 5: Firefighting measures**

---

### **5.1. Extinguishing media**

Suitable extinguishing media : Carbon dioxide. Foam. extinguishing powder.  
Unsuitable extinguishing media : high volume water jet.

### **5.2. Special hazards arising from the substance or mixture**

Fire hazard : Not flammable.  
Hazardous decomposition products in case of fire : Toxic fumes may be released.

### **5.3. Advice for firefighters**

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.  
Other information : Use self-contained breathing apparatus and chemically protective clothing. Full suit. Use water spray to disperse the vapours. Do not allow run-off from fire fighting to enter drains or water courses.

## **SECTION 6: Accidental release measures**

---

### **6.1. Personal precautions, protective equipment and emergency procedures**

General measures : Ensure adequate air ventilation. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothing. Wear personal protective equipment.

#### **6.1.1. For non-emergency personnel**

Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes. Do not breathe dust/fume/gas/mist/vapours/spray.

#### **6.1.2. For emergency responders**

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

### **6.2. Environmental precautions**

Prevent entry to sewers and public waters.

### **6.3. Methods and material for containment and cleaning up**

For containment : Collect spillage.  
Methods for cleaning up : Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).  
Other information : Dispose of materials or solid residues at an authorized site.

### **6.4. Reference to other sections**

For further information refer to section 13.

## **SECTION 7: Handling and storage**

---

### **7.1. Precautions for safe handling**

Precautions for safe handling : Wear personal protective equipment. Do not breathe gas/fumes/vapour/spray.

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Hygiene measures : Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep container tightly closed. Store in a place accessible by authorised persons only. Use appropriate ventilation. Keep in original containers. Store in a dry place.

Storage temperature : 5 - 35 °C

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No additional information available

### 8.2. Exposure controls

#### Appropriate engineering controls:

If local exhaust ventilation is not possible or not sufficient, the entire working area must be ventilated by technical means. Do not breathe gas/fumes/vapour/spray.

<b>Hand protection:</b>					
Impermeable protective gloves. Choosing the proper glove is a decision that depends not only on the type of material, but also on other quality features, which differ for each manufacturer. Gloves must be replaced after each use and whenever signs of wear or perforation appear					
Type	Material	Permeation	Thickness (mm)	Penetration	Standard
Short term exposure	Nitrile rubber (NBR), Butyl rubber	1 (> 10 minutes)	0,4		EN 374
Repeated contact	Viton	2 (> 30 minutes)	0,4		EN 374
<b>Eye protection:</b>					
Protective goggles					
<b>Skin and body protection:</b>					
safety foot-wear. Rubber apron, boots. Long sleeved protective clothing					
Type	Standard				
Safety shoes, Boots	EN 14605				
safety foot-wear	EN ISO 20345				
<b>Respiratory protection:</b>					
In case of inadequate ventilation wear respiratory protection. Approved organic vapour respirator					
Device	Filter type	Condition		Standard	
Breathing apparatus with filter	Type A - High-boiling (>65 °C) organic compounds	Vapour protection		EN 14387	



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### Environmental exposure controls:

Avoid release to the environment.

### Other information:

Do not drink, eat or smoke in the workplace. Always wash hands and face immediately after handling this product, and once again before leaving the workplace. Take off immediately all contaminated clothing.

## SECTION 9: Physical and chemical properties

---

### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Liquid.
Colour	: amber.
Odour	: Amine-like.
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 112 °C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: $\approx 1.03 \text{ g/cm}^3$ (ISO 2811-2)
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: 400 - 600 mPa.s (ISO 2884-1)
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

### 9.2. Other information

VOC content : < 500 g/l

## SECTION 10: Stability and reactivity

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### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

The product is stable at normal handling and storage conditions.

### 10.3. Possibility of hazardous reactions

None under normal use.

### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

### 10.5. Incompatible materials

Oxidizing agent. Acids.

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### 10.6. Hazardous decomposition products

No hazardous decomposition products known.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral) : Oral: Harmful if swallowed.

Acute toxicity (dermal) : Not classified

Acute toxicity (inhalation) : Not classified

ATE CLP (oral)	500 mg/kg bodyweight
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#### propylidynetrimethanol, propoxylated, reaction products with ammonia (39423-51-3)

LD50 oral rat	550 mg/kg (Rat)
---------------	-----------------

LD50 dermal rabbit	401 mg/kg (Rabbit)
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#### 1,3-bis(aminomethyl)benzene, m-xylylenediamine (1477-55-0)

LD50 oral rat	930 mg/kg bodyweight OECD 401
---------------	-------------------------------

LD50 dermal rat	> 3100 mg/kg bodyweight (24 h, Rat, Male/female, Experimental value, Dermal)
-----------------	--

LD50 dermal rabbit	2000 mg/kg (Rabbit)
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LC50 inhalation rat (mg/l)	1.34 mg/l (OECD 403: Acute Inhalation Toxicity, 4 h, Rat, Male/female, Experimental value, Inhalation (aerosol))
----------------------------	--

#### 3-aminomethyl-3,5,5-trimethylcyclohexylamine (2855-13-2)

LD50 oral rat	1030 mg/kg (Equivalent or similar to OECD 401, Rat, Male, Experimental value, Oral, 14 day(s))
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LD50 dermal rat	> 2000 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male/female, Experimental value, Dermal, 14 day(s))
-----------------	--

LC50 inhalation rat (mg/l)	> 5.01 mg/l (OECD 403: Acute Inhalation Toxicity, 4 h, Rat, Male/female, Experimental value, Inhalation (aerosol), 14 day(s))
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Skin corrosion/irritation : Causes severe skin burns and eye damage.

Serious eye damage/irritation : Serious eye damage, category 1, implicit

Respiratory or skin sensitisation : May cause an allergic skin reaction.

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

Aspiration hazard : Not classified

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : Toxic to aquatic life with long lasting effects.

Acute aquatic toxicity : Not classified

Chronic aquatic toxicity : Toxic to aquatic life with long lasting effects.

#### Phenol, styrenated (61788-44-1)

EC50 Daphnia 1	> 0.249 mg/l (48 h, Daphnia sp., Literature study)
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EC50 72h algae (1)	0.326 mg/l (Algae, Literature study)
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Threshold limit algae 1	0.326 mg/l (EC50; 72 h; Algae)
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Threshold limit algae 2	0.14 mg/l (NOEC; 72 h; Algae)
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#### propylidynetrimethanol, propoxylated, reaction products with ammonia (39423-51-3)

EC50 Daphnia 1	13 mg/l 48 h; Daphnia magna (OECD 202)
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ErC50 (algae)	4.4 mg/l 72 h; Pseudokirchnerella subcapitata (OECD 201)
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<b>1,3-bis(aminomethyl)benzene, m-xylylenediamine (1477-55-0)</b>	
LC50 fish 1	87.6 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Oryzias latipes, Semi-static system, Fresh water, Experimental value, GLP)
LC50 fish 2	> 100 mg/l (LC50; 96 h)
EC50 Daphnia 1	16 mg/l 48 h; Daphnia magna (OECD 202)
ErC50 (algae)	20.3 mg/l 72 h; Pseudokirchnerella subcapitata (OECD 201)
<b>3-aminomethyl-3,5,5-trimethylcyclohexylamine (2855-13-2)</b>	
LC50 fish 1	110 mg/l (EU Method C.1, 96 h, Leuciscus idus, Semi-static system, Fresh water, Experimental value, GLP)
EC50 Daphnia 1	23 mg/l 48 h; Daphnia magna (OECD 202)
EC50 72h algae (1)	37 mg/l (EU Method C.3, Desmodesmus subspicatus, Static system, Fresh water, Experimental value, GLP)
ErC50 (algae)	37 mg/l 72 h; Desmodesmus subspicatus

### 12.2. Persistence and degradability

<b>Phenol, styrenated (61788-44-1)</b>	
Persistence and degradability	Biodegradability in soil: no data available. Not readily biodegradable in water.
<b>propylidynetrimethanol, propoxylated, reaction products with ammonia (39423-51-3)</b>	
Persistence and degradability	Biodegradability in water: no data available.
<b>1,3-bis(aminomethyl)benzene, m-xylylenediamine (1477-55-0)</b>	
Persistence and degradability	Not readily biodegradable in water.
<b>3-aminomethyl-3,5,5-trimethylcyclohexylamine (2855-13-2)</b>	
Persistence and degradability	Not readily biodegradable in water.

### 12.3. Bioaccumulative potential

<b>Phenol, styrenated (61788-44-1)</b>	
Log Pow	6.24 - 7.77 (Experimental value, OECD 123: Partition Coefficient (1-Octanol/Water): Slow-Stirring Method)
Bioaccumulative potential	High potential for bioaccumulation (Log Kow > 5).
<b>propylidynetrimethanol, propoxylated, reaction products with ammonia (39423-51-3)</b>	
Bioaccumulative potential	No bioaccumulation data available.
<b>1,3-bis(aminomethyl)benzene, m-xylylenediamine (1477-55-0)</b>	
BCF fish 1	< 2.7 (BCF)
Log Pow	0.18 (Experimental value, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 25 °C)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
<b>3-aminomethyl-3,5,5-trimethylcyclohexylamine (2855-13-2)</b>	
BCF other aquatic organisms 1	3.16 (BCFWIN, QSAR)
Log Pow	0.99 (Experimental value, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 23 °C)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).

### 12.4. Mobility in soil

<b>Phenol, styrenated (61788-44-1)</b>	
Ecology - soil	No (test)data on mobility of the substance available.
<b>1,3-bis(aminomethyl)benzene, m-xylylenediamine (1477-55-0)</b>	
Log Koc	3.11 (log Koc, Other, QSAR)
Ecology - soil	Low potential for mobility in soil.
<b>3-aminomethyl-3,5,5-trimethylcyclohexylamine (2855-13-2)</b>	
Surface tension	3.47 N/m (23 °C)
Log Koc	2.97 (log Koc, QSAR)
Ecology - soil	Low potential for adsorption in soil.

### 12.5. Results of PBT and vPvB assessment

Component	
1,3-bis(aminomethyl)benzene, m-xylylenediamine (1477-55-0)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

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according to Regulation (EU) 2015/830

3-aminomethyl-3,5,5-trimethylcyclohexylamine (2855-13-2)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
---	---

### 12.6. Other adverse effects

No additional information available






## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
Sewage disposal recommendations	: Do not allow into drains or water courses. Disposal must be done according to official regulations.
Additional information	: Avoid sub-soil penetration.
European List of Waste (LoW) code	: 08 01 11* - waste paint and varnish containing organic solvents or other dangerous substances

## SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN	RID
<b>14.1. UN number</b>				
2735	2735	2735	2735	2735
<b>14.2. UN proper shipping name</b>				
POLYAMINES, LIQUID, CORROSIVE, N.O.S. (1,3-bis(aminomethyl)benzene, m-xylylenediamine)	POLYAMINES, LIQUID, CORROSIVE, N.O.S. (1,3-bis(aminomethyl)benzene, m-xylylenediamine)	Polyamines, liquid, corrosive, n.o.s. (1,3-bis(aminomethyl)benzene, m-xylylenediamine)	POLYAMINES, LIQUID, CORROSIVE, N.O.S. (1,3-bis(aminomethyl)benzene, m-xylylenediamine)	POLYAMINES, LIQUID, CORROSIVE, N.O.S. (1,3-bis(aminomethyl)benzene, m-xylylenediamine)
<b>14.3. Transport hazard class(es)</b>				
8	8	8	8	8
				
<b>14.4. Packing group</b>				
II	II	II	II	II
<b>14.5. Environmental hazards</b>				
Dangerous for the environment : Yes	Dangerous for the environment : Yes Marine pollutant : Yes	Dangerous for the environment : Yes	Dangerous for the environment : Yes	Dangerous for the environment : Yes
No supplementary information available				

### 14.6. Special precautions for user

#### - Overland transport

Classification code (ADR)	: C7
Limited quantities (ADR)	: 11
Excepted quantities (ADR)	: E2
Transport category (ADR)	: 2
Tunnel restriction code (ADR)	: E

#### - Transport by sea

No data available

#### - Air transport

PCA Excepted quantities (IATA)	: E2
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PCA limited quantity max net quantity (IATA) : 0.5L

### - Inland waterway transport

Classification code (ADN) : C7

Limited quantities (ADN) : 1 L

Excepted quantities (ADN) : E2

### - Rail transport

Classification code (RID) : C7

Limited quantities (RID) : 1L

Excepted quantities (RID) : E2

Transport category (RID) : 2

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

Not applicable

## SECTION 15: Regulatory information

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

#### 15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

VOC content : < 500 g/l

#### 15.1.2. National regulations

No additional information available

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

This safety data sheet replaces the previous version of 8/30/2018. The following changes were made:			
Section	Changed item	Change	Comments
	Supersedes	Modified	
	Revision date	Modified	
15.1		Modified	

Full text of H- and EUH-statements:	
Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Skin Corr. 1B	Skin corrosion/irritation, Category 1B
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
Skin Sens. 1B	Skin sensitisation, category 1B
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.

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H318	Causes serious eye damage.
H332	Harmful if inhaled.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
EUH071	Corrosive to the respiratory tract.

### Other information

: Technical information service (see point 1):

A call to Knauf Direkt will be charged at 0.39 € per minute. Callers, the telephone numbers of whom are not saved in the Knauf Gips KG address database, e.g. private property owners or noncustomers, will pay 1.69 € per minute from the German network. Callers using mobile telephones will be charged according to the network provider and tariff.

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product*

# Stretto-Sand

## Safety Data Sheet

according to Regulation (EU) 2015/830  
Revision date: 10/4/2018 Version: 3.0



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

---

#### 1.1. Product identifier

Product form : Substance  
Substance name : Stretto-Sand  
:

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

##### 1.2.1. Relevant identified uses

Main use category : Professional use  
Industrial/Professional use spec : For professional use only  
Use of the substance/mixture : Construction materials  
sand

##### 1.2.2. Uses advised against

No additional information available

#### 1.3. Details of the supplier of the safety data sheet

##### Manufacturer

Knauf Gips KG  
Am Bahnhof 7  
97346 Iphofen - Deutschland  
T +49 932331-0 - F +49 932331-277  
[zentrale@knauf.de](mailto:zentrale@knauf.de) - [www.knauf.de](http://www.knauf.de)  
E-mail address of competent person responsible for the SDS : [sds-  
info@knauf.de](mailto:sds-info@knauf.de)

##### Technical information

Technischer Auskunft-Service Trockenbau und Boden  
T +49 (0)9001/31-1000 (siehe Abschnitt 16)  
[knauf-direkt@knauf.de](mailto:knauf-direkt@knauf.de)

#### 1.4. Emergency telephone number

No additional information available

### SECTION 2: Hazards identification

---

#### 2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]  
Not classified

#### Adverse physicochemical, human health and environmental effects

No additional information available

#### 2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP] Extra labelling to display  
No labelling applicable

#### 2.3. Other hazards

Other hazards not contributing to the classification : Use care during processing to minimize generation of dust. This product is not expected to produce any unusual hazards during normal use. However, during sanding dust is released into the atmosphere. Exposure to high dust levels may irritate the skin, eyes, nose, throat, or upper respiratory tract. Ensure adequate ventilation and avoid breathing excessive dust.

### SECTION 3: Composition/information on ingredients

---

#### 3.1. Substances

Name : Stretto-Sand

# Stretto-Sand

## Safety Data Sheet



according to Regulation (EU) 2015/830

Name	Product identifier	%
quartz, conc respirable crystalline silica<1%	(CAS-No.) 14808-60-7 (EC-No.) 238-878-4	<=100

### **3.2. Mixtures**

Not applicable

## **SECTION 4: First aid measures**

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### **4.1. Description of first aid measures**

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Obtain medical attention if breathing difficulty persists.

First-aid measures after skin contact : Wash off with soap and plenty of water. Wash contaminated clothing before reuse.

First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion : Rinse mouth. If you feel unwell, seek medical advice.

### **4.2. Most important symptoms and effects, both acute and delayed**

No additional information available

### **4.3. Indication of any immediate medical attention and special treatment needed**

No additional information available

## **SECTION 5: Firefighting measures**

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### **5.1. Extinguishing media**

Suitable extinguishing media : The product is not flammable. If there is a fire close by, use suitable extinguishing agents.

### **5.2. Special hazards arising from the substance or mixture**

No additional information available

### **5.3. Advice for firefighters**

No additional information available

## **SECTION 6: Accidental release measures**

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### **6.1. Personal precautions, protective equipment and emergency procedures**

General measures : Avoid dust formation. Wear personal protective equipment.

#### **6.1.1. For non-emergency personnel**

No additional information available

#### **6.1.2. For emergency responders**

No additional information available

### **6.2. Environmental precautions**

No additional information available

### **6.3. Methods and material for containment and cleaning up**

Methods for cleaning up : Mechanically recover the product. Avoid dust formation.

### **6.4. Reference to other sections**

No additional information available

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling : Avoid creating or spreading dust. Where excessive dust may result, use approved respiratory protection equipment. Handle and open container with care. Do not eat, drink or smoke when using this product. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Contaminated work clothing should not be allowed out of the workplace.

#### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a dry place. Store in a closed container.

#### 7.3. Specific end use(s)

No additional information available

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

quartz, conc respirable crystalline silica<1% (14808-60-7)		
EU	Local name	Silica crystalline (Quartz)
EU	IOELV TWA (mg/m <sup>3</sup> )	0.1 mg/m <sup>3</sup> (Respirable fraction)
EU	Notes	(Year of adoption 2003)
EU	Regulatory reference	SCOEL Recommendations

#### 8.2. Exposure controls

<b>Hand protection:</b>
In case of repeated or prolonged contact wear gloves
<b>Eye protection:</b>
Where excessive dust may result, wear goggles
<b>Respiratory protection:</b>
Breathing apparatus needed only when dust is formed. If the ventilation is suitable, it is not essential to wear respiratory equipment

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Physical state : Solid  
 Appearance : Sand.  
 Colour : white / Grey. yellowish.  
 Odour : odourless.  
 Odour threshold : No data available  
 pH : No data available  
 pH solution : 400 (5 - 8) g/l  
 Relative evaporation rate (butylacetate=1) : No data available  
 Melting point : ≈ 1710 °C  
 Freezing point : No data available  
 Boiling point : No data available  
 Flash point : No data available  
 Auto-ignition temperature : No data available  
 Decomposition temperature : No data available  
 Flammability (solid, gas) : No data available  
 Vapour pressure : No data available

according to Regulation (EU) 2015/830

Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 2.65 g/cm <sup>3</sup>
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

### **9.2. Other information**

No additional information available

## **SECTION 10: Stability and reactivity**

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### **10.1. Reactivity**

No additional information available

### **10.2. Chemical stability**

No additional information available

### **10.3. Possibility of hazardous reactions**

No additional information available

### **10.4. Conditions to avoid**

No additional information available

### **10.5. Incompatible materials**

No additional information available

### **10.6. Hazardous decomposition products**

No additional information available

## **SECTION 11: Toxicological information**

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### **11.1. Information on toxicological effects**

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified



**SECTION 12: Ecological information**

**12.1. Toxicity**

Acute aquatic toxicity : Not classified  
Chronic aquatic toxicity : Not classified

**12.2. Persistence and degradability**

quartz, conc respirable crystalline silica<1% (14808-60-7)	
Persistence and degradability	Biodegradability: not applicable. No (test)data on mobility of the substance available.
Biochemical oxygen demand (BOD)	Not applicable
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable

**12.3. Bioaccumulative potential**

quartz, conc respirable crystalline silica<1% (14808-60-7)	
Bioaccumulative potential	No bioaccumulation data available.

**12.4. Mobility in soil**

quartz, conc respirable crystalline silica<1% (14808-60-7)	
Ecology - soil	Low potential for mobility in soil.

**12.5. Results of PBT and vPvB assessment**

Component	
quartz, conc respirable crystalline silica<1% (14808-60-7)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

**12.6. Other adverse effects**

No additional information available

**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

Product/Packaging disposal recommendations : Disposal must be done according to official regulations. Empty remaining contents.

**SECTION 14: Transport information**

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN	RID
<b>14.1. UN number</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.2. UN proper shipping name</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.3. Transport hazard class(es)</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.4. Packing group</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.5. Environmental hazards</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
No supplementary information available				

### **14.6. Special precautions for user**

**- Overland transport**

Not applicable

**- Transport by sea**

Not applicable

**- Air transport**

Not applicable

**- Inland waterway transport**

Not applicable

**- Rail transport**

Not applicable

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

Not applicable

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## **SECTION 15: Regulatory information**

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

#### **15.1.1. EU-Regulations**

No REACH Annex XVII restrictions

Stretto-Sand is not on the REACH Candidate List

Stretto-Sand is not on the REACH Annex XIV List

#### **15.1.2. National regulations**

No additional information available

### **15.2. Chemical safety assessment**

No additional information available

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## **SECTION 16: Other information**

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Other information

: Technical information service (see point 1):

A call to Knauf Direkt will be charged at 0.39 € per minute. Callers, the telephone numbers of whom are not saved in the Knauf Gips KG address database, e.g. private property owners or noncustomers, will pay 1.69 € per minute from the German network. Callers using mobile telephones will be charged according to the network provider and tariff.

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product*