

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

Product form : Mixture
Product name : Bijlard Glazing 3.0
Product group : Trade product

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

Main use category : Professional use
Use of the substance/mixture : Glazing sealant

Title	Life cycle stage	Use descriptors
Bijlard Glazing 3.0	Professional	SU19, PC1

Full text of use descriptors: see section 16

1.3. Details of the supplier of the safety data sheet**Manufacturer**

Bijlard International
Platinastraat 141
2718 SR Zoetermeer
The Netherlands
T +31 (0) 79 343 75 38
info@bijlard.com, www.bijlard.com

1.4. Emergency telephone number

Country/Area	Organisation	Emergency number
United Kingdom	National Poisons Information Service (Birmingham Centre). City Hospital. Dudley Road B18 7QH Birmingham.	0344 892 0111 Only for healthcare professionals

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****Classification according to Regulation (EC) No. 1272/2008 [CLP]**

Flammable liquids Not classified
Skin sensitisation Not classified
Hazardous to the aquatic environment – Chronic Hazard, H412
Category 3
Full text of H- and EUH-statements: see section 16

Adverse physicochemical, human health and environmental effects

Harmful to aquatic life with long lasting effects.

2.2. Label elements**Labelling according to Regulation (EC) No. 1272/2008 [CLP]**

Hazard statements (CLP) : H412 - Harmful to aquatic life with long lasting effects.
Precautionary statements (CLP) : P273 - Avoid release to the environment.
EUH-statements : EUH208 - Contains trimethoxyvinylsilane, Octadecanoic acid, 12-hydroxy-, reaction products with ethylenediamine, Amino silane oligomer, containing both amino and ethoxy groups, Reaction mass of pentamethyl-4-piperidylsebacates. May produce an allergic reaction.

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2.3. Other hazards

Contains vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII

Component	
Substance(s) meeting the vPvB criteria of REACH regulation, in accordance with Annex XIII	Bumetrizole (3896-11-5)
Substance(s) not meeting the PBT criteria of REACH regulation, in accordance with Annex XIII	Bumetrizole (3896-11-5)

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

Component	
Substance(s) not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605	formic acid ... % (64-18-6), Bumetrizole (3896-11-5)

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Product name	Product identifier	% w/w (% w/w)	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Limestone substance with national workplace exposure limit(s) (GB)	CAS-No.: 1317-65-3 EC-No.: 215-279-6 REACH-no: 01-2119486795-18	30 – 50	Not classified
Di-"isononyl" phthalate substance with national workplace exposure limit(s) (GB)	CAS-No.: 28553-12-0 EC-No.: 249-079-5 REACH-no: 01-2119430798-28	10 – 20	Not classified
trimethoxyvinylsilane	CAS-No.: 2768-02-7 EC-No.: 220-449-8 EC Index-No.: 014-049-00-0 REACH-no: 01-2119513215-52	1 – 5	Skin Sens. 1B, H317
Octadecanoic acid, 12-hydroxy-, reaction products with ethylenediamine	CAS-No.: 100545-48-0 EC-No.: 309-629-8 REACH-no: 01-2119979085-27	0.1 – 1	Skin Sens. 1B, H317
Amino silane oligomer, containing both amino and ethoxy groups	-	0.1 – 1	Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317
Reaction mass of pentamethyl-4-piperidylsebacates	CAS-No.: 1065336-91-5 EC-No.: 915-687-0 REACH-no: 01-2119491304-40	0.1 – 1	Skin Sens. 1A, H317 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1)

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Product name	Product identifier	% w/w (% w/w)	Classification according to Regulation (EC) No. 1272/2008 [CLP]
formic acid ... % substance with national workplace exposure limit(s) (GB); substance with a Community workplace exposure limit (Note B)	CAS-No.: 64-18-6 EC-No.: 200-579-1 EC Index-No.: 607-001-00-0 REACH-no: 01-2119491174- 37	0.1 – 1	Flam. Liq. 3, H226 Acute Tox. 4 (Oral), H302 Acute Tox. 3 (Inhalation), H331 Skin Corr. 1A, H314 Eye Dam. 1, H318
Bumetrizole substance listed on REACH Candidate List (Bumetrizole (UV-326)) vPvB substance	CAS-No.: 3896-11-5 EC-No.: 223-445-4 REACH-no: 01-2119971796- 18	0.1 – 1	Not classified

Specific concentration limits:		
Product name	Product identifier	Specific concentration limits (% w/w (% w/w))
formic acid ... %	CAS-No.: 64-18-6 EC-No.: 200-579-1 EC Index-No.: 607-001-00-0 REACH-no: 01-2119491174- 37	(2 ≤ C < 10) Skin Irrit. 2; H315 (2 ≤ C < 10) Eye Irrit. 2; H319 (10 ≤ C < 90) Skin Corr. 1B; H314 (10 ≤ C ≤ 100) Eye Dam. 1; H318 (85 < C ≤ 100) Flam. Liq. 3; H226 (90 ≤ C ≤ 100) Skin Corr. 1A; H314

Note B: Some substances (acids, bases, etc.) are placed on the market in aqueous solutions at various concentrations and, therefore, these solutions require different classification and labelling since the hazards vary at different concentrations. In Part 3 entries with Note B have a general designation of the following type: 'nitric acid ... %'. In this case the supplier must state the percentage concentration of the solution on the label. Unless otherwise stated, it is assumed that the percentage concentration is calculated on a weight/weight basis.

Full text of H- and EUH-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: In case of doubt or persistent symptoms, consult always a physician.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. In all cases of doubt, or when symptoms persist, seek medical attention.
First-aid measures after skin contact	: Take off immediately all contaminated clothing. Wash skin with mild soap and water. Do not use solvents or diluting agents for skin cleaning. If skin irritation or rash occurs: Get medical advice/attention. Wash skin with plenty of water.
First-aid measures after eye contact	: Rinse immediately with plenty of water, also under the eyelids. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if pain, blinking or redness persists. Rinse eyes with water as a precaution.
First-aid measures after ingestion	: IF SWALLOWED: rinse mouth. Do NOT induce vomiting. Seek medical attention if ill effect develops. Call a poison center or a doctor if you feel unwell.
Self protection of the first-aiders	: First-aiders should pay attention to their own protection and use the recommended personal protective equipment (see section 8).

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

Symptoms/effects after inhalation	: None under normal conditions.
Symptoms/effects after skin contact	: None under normal conditions.
Symptoms/effects after eye contact	: None under normal conditions.
Symptoms/effects after ingestion	: None under normal conditions.

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

Treat symptomatically.

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SECTION 5: Firefighting measures

5.1. Extinguishing media

- | | |
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| Suitable extinguishing media | : Dry chemical, CO ₂ , or water spray or regular foam. Making extinguishing agents environment-friendly. Water spray. Dry powder. Foam. Carbon dioxide. |
| Unsuitable extinguishing media | : Do not use a heavy water stream. |

5.2. Special hazards arising from the substance or mixture

- | | |
|--|---|
| Fire hazard | : No fire hazard. |
| Explosion hazard | : No direct explosion hazard. |
| Hazardous decomposition products in case of fire | : At high temperature may liberate dangerous gases. |

5.3. Advice for firefighters

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|--------------------------------|--|
| Firefighting instructions | : Use water spray or fog for cooling exposed containers. Move undamaged containers from immediate hazard area if it can be done safely. Do not enter fire area without proper protective equipment, including respiratory protection. |
| Protection during firefighting | : Do not enter fire area without proper protective equipment, including respiratory protection. Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing. |

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- | | |
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| General measures | : Wear personal protective equipment. Stop leak if safe to do so. Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material damage. |
|------------------|---|

For non-emergency personnel

- | | |
|----------------------|--|
| Protective equipment | : Wear recommended personal protective equipment. |
| Emergency procedures | : Ventilate spillage area. Evacuate unnecessary personnel. |

For emergency responders

- | | |
|----------------------|--|
| Protective equipment | : Do not attempt to take action without suitable protective equipment. Equip cleanup crew with proper protection. For further information refer to section 8: "Exposure controls/personal protection". |
| Emergency procedures | : Ventilate area. Evacuate unnecessary personnel. Stop leak if safe to do so. |

6.2. Environmental precautions

Avoid release to the environment. Do not allow to enter drains or water courses. Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- | | |
|-------------------------|--|
| For containment | : Collect spillage. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak without risks if possible. |
| Methods for cleaning up | : Take up liquid spill into absorbent material. On land, sweep or shovel into suitable containers. Place in a suitable container for disposal in accordance with the waste regulations (see Section 13). |
| Other information | : Dispose of materials or solid residues at an authorized site. |

6.4. Reference to other sections

Concerning personal protective equipment to use, see section 8. Concerning disposal elimination after cleaning, see section 13. For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

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| Additional hazards when processed | : Not expected to present a significant hazard under anticipated conditions of normal use. |
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Precautions for safe handling	: Ensure good ventilation of the work station. Wear personal protective equipment. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour.
Hygiene measures	: Do not eat, drink or smoke when using this product. 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

Technical measures	: Keep in a cool, well-ventilated place away from heat.
Storage conditions	: Keep only in the original container in a cool, well-ventilated place. Keep out of frost. Protect from heat and direct sunlight.
Packaging materials	: Always store product in container of same material as original container.

7.3. Specific end use(s)

No supplementary information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

National occupational exposure and biological limit values

Limestone (1317-65-3)	
United Kingdom - Occupational Exposure Limits	
Local name	Calcium carbonate (Limestone, Marble)
WEL TWA (OEL TWA)	10 mg/m ³ total inhalable 4 mg/m ³ respirable
WEL STEL (OEL STEL)*	30 mg/m ³
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

*STEL value is calculated based on the TWA limit

Di-"isononyl" phthalate (28553-12-0)	
United Kingdom - Occupational Exposure Limits	
Local name	Diisononyl phthalate
WEL TWA (OEL TWA)	5 mg/m ³
WEL STEL (OEL STEL)	15 mg/m ³ (calculated)
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

formic acid ... % (64-18-6)	
EU - Indicative Occupational Exposure Limit (IOEL)	
Local name	Formic acid
IOEL TWA	9 mg/m ³
	5 ppm
Regulatory reference	COMMISSION DIRECTIVE 2006/15/EC
United Kingdom - Occupational Exposure Limits	
Local name	Formic acid
WEL TWA (OEL TWA)	9.6 mg/m ³
	5 ppm
WEL STEL (OEL STEL)*	28.8 mg/m ³

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formic acid ... % (64-18-6)	
	15 ppm
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

*STEL value is calculated based on the TWA limit

DNEL and PNEC

trimethoxyvinylsilane (2768-02-7)	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	3.9 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	27.6 mg/m ³
DNEL/DMEL (General population)	
Acute - systemic effects, dermal	26.9 mg/kg bodyweight/day
Acute - systemic effects, inhalation	93.4 mg/m ³
Long-term - systemic effects, oral	300 µg/kg dw
Long-term - systemic effects, inhalation	6.7 mg/m ³
Long-term - systemic effects, dermal	7.8 mg/kg bodyweight/day
PNEC (Water)	
PNEC aqua (freshwater)	360 µg/l
PNEC aqua (marine water)	36 µg/l
PNEC aqua (intermittent, freshwater)	2.4 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	1.3 mg/kg dwt
PNEC sediment (marine water)	130 µg/kg
PNEC (Soil)	
PNEC soil	55 µg/kg
PNEC (STP)	
PNEC sewage treatment plant	110 mg/l
Octadecanoic acid, 12-hydroxy-, reaction products with ethylenediamine (100545-48-0)	
DNEL/DMEL (Workers)	
Long-term - local effects, inhalation	0.308 mg/m ³
DNEL/DMEL (General population)	
Long-term - local effects, inhalation	0.055 mg/m ³
PNEC (Sediment)	
PNEC sediment (freshwater)	58 µg/kg dw
PNEC sediment (marine water)	5.8 µg/kg dw
PNEC (Soil)	
PNEC soil	0.484 mg/kg dwt
formic acid ... % (64-18-6)	
DNEL/DMEL (Workers)	
Acute - local effects, inhalation	19 mg/m ³
Long-term - local effects, inhalation	9.5 mg/m ³

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formic acid ... % (64-18-6)	
DNEL/DMEL (General population)	
Acute - local effects, inhalation	9.5 mg/m ³
Long-term - local effects, inhalation	3 mg/m ³
PNEC (Water)	
PNEC aqua (freshwater)	2 mg/l
PNEC aqua (marine water)	200 µg/l
PNEC aqua (intermittent, freshwater)	1 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	13.4 mg/kg dwt
PNEC sediment (marine water)	1.34 mg/kg dwt
PNEC (Soil)	
PNEC soil	1.5 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	7.2 mg/l
Ethane-1,2-diol (107-21-1)	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	106 mg/kg bodyweight/day
Long-term - local effects, inhalation	35 mg/m ³
DNEL/DMEL (General population)	
Long-term - systemic effects, dermal	53 mg/kg bodyweight/day
Long-term - local effects, inhalation	7 mg/m ³
PNEC (Water)	
PNEC aqua (freshwater)	10 mg/l
PNEC aqua (marine water)	1 mg/l
PNEC aqua (intermittent, freshwater)	10 mg/l
PNEC aqua (intermittent, marine water)	10 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	37 mg/kg dwt
PNEC sediment (marine water)	3.7 mg/kg dwt
PNEC (Soil)	
PNEC soil	1.53 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	199.5 mg/l
methanol (67-56-1)	
DNEL/DMEL (Workers)	
Acute - systemic effects, dermal	20 mg/kg bodyweight/day
Acute - systemic effects, inhalation	130 mg/m ³
Acute - local effects, inhalation	130 mg/m ³

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methanol (67-56-1)	
Long-term - systemic effects, dermal	20 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	130 mg/m ³
Long-term - local effects, inhalation	130 mg/m ³
DNEL/DMEL (General population)	
Acute - systemic effects, dermal	4 mg/kg bodyweight
Acute - systemic effects, inhalation	26 mg/m ³
Acute - systemic effects, oral	4 mg/kg bodyweight
Acute - local effects, inhalation	26 mg/m ³
Long-term - systemic effects, oral	4 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	26 mg/m ³
Long-term - systemic effects, dermal	4 mg/kg bodyweight/day
Long-term - local effects, inhalation	26 mg/m ³
PNEC (Water)	
PNEC aqua (freshwater)	20.8 mg/l
PNEC aqua (marine water)	2.08 mg/l
PNEC aqua (intermittent, freshwater)	1540 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	77 mg/kg dwt
PNEC sediment (marine water)	7.7 mg/kg dwt
PNEC (Soil)	
PNEC soil	100 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	100 mg/l
ISOPROPYL ALCOHOL (67-63-0)	
DNEL/DMEL (Workers)	
Acute - systemic effects, inhalation	1000 mg/m ³
Long-term - systemic effects, dermal	888 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	500 mg/m ³
DNEL/DMEL (General population)	
Acute - systemic effects, inhalation	178 mg/m ³
Acute - systemic effects, oral	51 mg/kg bw/day
Long-term - systemic effects, oral	26 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	89 mg/m ³
Long-term - systemic effects, dermal	319 mg/kg bodyweight/day
Reaction mass of pentamethyl-4-piperidylsebacates (1065336-91-5)	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	1.8 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	1.27 mg/m ³

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Reaction mass of pentamethyl-4-piperidylsebacates (1065336-91-5)	
DNEL/DMEL (General population)	
Long-term - systemic effects, oral	0.18 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	0.31 mg/m ³
Long-term - systemic effects, dermal	0.9 mg/kg bodyweight/day
PNEC (Water)	
PNEC aqua (freshwater)	0.0022 mg/l
PNEC aqua (marine water)	0.00022 mg/l
PNEC aqua (intermittent, freshwater)	0.009 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	1.05 mg/kg dwt
PNEC sediment (marine water)	0.11 mg/kg dwt
PNEC (Soil)	
PNEC soil	0.21 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	1 mg/l

8.2. Exposure controls

Appropriate engineering controls

Appropriate engineering controls:

Provide adequate ventilation. Ensure good ventilation of the work station.

Personal protection equipment

Personal protective equipment:

Gloves.

Personal protective equipment symbol(s):



Eye and face protection

Eye protection:

Not required for normal conditions of use. Safety glasses

Skin protection

Skin and body protection:

Wear suitable protective clothing

Hand protection:

Recommendation: Suitable chemical resistant safety gloves (EN 374) also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374): e.g. nitrile rubber (≥ 0.4 mm), butyl rubber (≥ 0.7 mm) and others. 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. The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed. Gloves must be replaced after each use and whenever signs of wear or perforation appear

Respiratory protection

Respiratory protection:

No respiratory protection needed under normal use conditions

Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment.

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Other information:

Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: white.
Appearance	: Paste.
Odour	: None.
Odour threshold	: Not available
Melting point	: Not applicable
Freezing point	: Not available
Boiling point	: Not available
Flammability	: Non flammable
Lower explosion limit	: Not available
Upper explosion limit	: Not available
Flash point	: Not available
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
pH	: Not available
Viscosity, kinematic	: 53076.923 mm ² /s
Viscosity, dynamic	: 69000 mPa·s @ 21 °C
Solubility	: Not available
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: Not available
Vapour pressure at 50°C	: Not available
Density	: 1.3 g/cm ³ (DIN / ISO 1183-1)
Relative density	: Not available
Relative vapour density at 20°C	: Not available
Particle characteristics	: Not applicable

9.2. Other information

No additional information available

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 in use and storage conditions as recommended in item 7.

10.3. Possibility of hazardous reactions

No dangerous reactions known.

10.4. Conditions to avoid

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

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.

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SECTION 11: Toxicological information

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

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

Limestone (1317-65-3)	
LD50 oral rat	> 2000 mg/kg bodyweight (female; OECD 420; EU Method B.1 bis)
LD50 dermal rat	> 2000 mg/kg bodyweight (male/female; OECD 402; EU Method B.3)
LC50 Inhalation - Rat	> 3 mg/l air (4 h; male/female; OECD 403; EU Method B.2)
Di-"isononyl" phthalate (28553-12-0)	
LD50 oral rat	> 10000 mg/kg bodyweight Animal: rat
LD50 dermal rabbit	> 3160 mg/kg bodyweight Animal: rabbit, Animal sex: female
LC50 Inhalation - Rat	> 4.4 mg/l air Animal: rat, Guideline: other:
trimethoxyvinylsilane (2768-02-7)	
LD50 oral rat	7.34 – 7.46 ml/kg
LD50 dermal rabbit	3.36 – 4 ml/kg
LC50 Inhalation - Rat [ppm]	2773 ppm
ATE oral	7340 mg/kg bodyweight
ATE dermal	3360 mg/kg bodyweight
ATE gases	2773 ppmv/4h
Octadecanoic acid, 12-hydroxy-, reaction products with ethylenediamine (100545-48-0)	
LD50 oral rat	> 2000 mg/kg bodyweight
LC50 Inhalation - Rat	5.05 mg/m³
LD0, oral, rat	≥ mg/kg bw
LC0, Inhalation, rat	≥ 5.05 mg/l/4h
formic acid ... % (64-18-6)	
LD50 oral rat	730 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity), 95% CL: 618 - 863
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LC50 Inhalation - Rat	7.85 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity)
ATE oral	500 mg/kg bodyweight
ATE gases	700 ppmv/4h
ATE vapours	7.4 mg/l
ATE dust/mist	0.5 mg/l/4h
Bumetrizole (3896-11-5)	
LD50 oral rat	> 2000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 423 (Acute Oral toxicity - Acute Toxic Class Method)
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)

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Reaction mass of pentamethyl-4-piperidylsebacates (1065336-91-5)	
LD50 oral rat	3230 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 423 (Acute Oral toxicity - Acute Toxic Class Method), 95% CL: 2615 - 4247
LD50 dermal rat	> 3170 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
ATE oral	3230 mg/kg bodyweight
Skin corrosion/irritation	: Not classified
Limestone (1317-65-3)	
pH	8.5 – 6.5
Amino silane oligomer, containing both amino and ethoxy groups	
pH	> 9
Serious eye damage/irritation	: Not classified
Limestone (1317-65-3)	
pH	8.5 – 6.5
Amino silane oligomer, containing both amino and ethoxy groups	
pH	> 9
Respiratory or skin sensitisation	: Skin sensitization: Not classified.
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Di-"isononyl" phthalate (28553-12-0)	
NOAEL (chronic, oral, animal/male, 2 years)	88.3 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: EPA OTS 798.3300 (Carcinogenicity)
NOAEL (chronic, oral, animal/female, 2 years)	108.6 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: EPA OTS 798.3300 (Carcinogenicity)
formic acid ... % (64-18-6)	
NOAEL (chronic, oral, animal/male, 2 years)	400 mg/kg bodyweight Animal: mouse, Animal sex: male, Guideline: OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies), Remarks on results: other:Effect type: toxicity (migrated information)
Reproductive toxicity	: Not classified
Di-"isononyl" phthalate (28553-12-0)	
NOAEL (animal/female, F1)	200 – 260 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: other:, Guideline: EPA OTS 798.4700 (Reproduction and Fertility Effects)
trimethoxyvinylsilane (2768-02-7)	
NOAEL (animal/male, F0/P)	1000 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Combined Repeated Dose and Reproductive / Developmental Toxicity Screening Test (Precursor Protocol of GL 422)
NOAEL (animal/female, F0/P)	250 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Combined Repeated Dose and Reproductive / Developmental Toxicity Screening Test (Precursor Protocol of GL 422)
Octadecanoic acid, 12-hydroxy-, reaction products with ethylenediamine (100545-48-0)	
NOAEL (animal/female, F0/P)	≥ 1000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 421 (Reproduction / Developmental Toxicity Screening Test)

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Bumetrizole (3896-11-5)	
NOAEL (animal/female, F0/P)	1000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Di-"isononyl" phthalate (28553-12-0)	
NOAEL (dermal, rat/rabbit, 90 days)	≈ 500 mg/kg bodyweight Animal: rabbit
trimethoxyvinylsilane (2768-02-7)	
LOAEL (oral, rat, 90 days)	62.5 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)
NOAEL (oral, rat, 90 days)	< 62.5 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)
Octadecanoic acid, 12-hydroxy-, reaction products with ethylenediamine (100545-48-0)	
LOAEC (inhalation, rat, dust/mist/fume, 90 days)	0.1 mg/l air Animal: rat, Guideline: OECD Guideline 412 (Subacute Inhalation Toxicity: 28-Day Study)
NOAEL (oral, rat, 90 days)	1000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity Study in Rodents)
formic acid ... % (64-18-6)	
LOAEL (oral, rat, 90 days)	2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies)
NOAEL (oral, rat, 90 days)	400 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies)
NOAEC (inhalation, rat, dust/mist/fume, 90 days)	0.244 mg/l air Animal: rat, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day Study)
Bumetrizole (3896-11-5)	
NOAEL (oral, rat, 90 days)	1000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)
Reaction mass of pentamethyl-4-piperidylsebacates (1065336-91-5)	
LOAEL (oral, rat, 90 days)	29 mg/kg bodyweight/day
NOAEL (oral, rat, 90 days)	29 mg/kg bodyweight/day
Aspiration hazard	: Not classified
Bijlard Glazing 3.0	
Viscosity, kinematic	53076.923 mm²/s
Reaction mass of pentamethyl-4-piperidylsebacates (1065336-91-5)	
Viscosity, kinematic	478 mm²/s Temp.: '20°C' Parameter: 'kinematic viscosity (in mm²/s)'

11.2. Information on other hazards

No additional information available

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SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Harmful to aquatic life with long lasting effects.
Hazardous to the aquatic environment, short-term (acute) : Not classified
Hazardous to the aquatic environment, long-term (chronic) : Harmful to aquatic life with long lasting effects.

Limestone (1317-65-3)	
LC50 - Fish	> 100 Vol-% (96 h; saturated solution; Oncorhynchus mykiss; semi-static; freshwater; OECD 203)
EC50 - Crustacea	> 100 Vol-% (48 h; saturated solution; Daphnia magna; static; freshwater; OECD 202)
EC50 - Other aquatic organisms [1]	> 1000 mg/l (3 h; activated sludge of a predominantly domestic sewage; static; freshwater; OECD 209)
EC50 72h - Algae	> 14 mg/l (Desmodesmus subspicatus; static; freshwater; growth rate and yield; OECD 201)
NOEC (chronic)	1000 mg/l (3 h; activated sludge of a predominantly domestic sewage; static; freshwater; OECD 209)
NOEC chronic algae	14 mg/l (72 h; Desmodesmus subspicatus; static; freshwater; growth rate and yield; OECD 201)

Di-"isononyl" phthalate (28553-12-0)	
LC50 - Fish	> 102 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)
EC50 - Crustacea	> 74 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae	> 88 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)

trimethoxyvinylsilane (2768-02-7)	
LC50 - Fish	191 mg/l
EC50 - Crustacea	168.7 mg/l
EC50 72h - Algae	89 mg/l

Octadecanoic acid, 12-hydroxy-, reaction products with ethylenediamine (100545-48-0)	
NOEC (chronic)	≥ 10 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
LL50, fish, short term	10 mg/l (4 Hours)

formic acid ... % (64-18-6)	
LC50 - Fish	130 – 1720 mg/l 4 days
EC50 - Crustacea	365 – 540 mg/l 48 Hours
EC50 72h - Algae	1.24 g/l 72 Hours
LOEC (chronic)	> 100 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC (chronic)	≥ 100 mg/l Test organisms (species): Daphnia magna Duration: '21 d'

Bumetrizole (3896-11-5)	
LC50 - Fish	> 100 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)
EC50 - Crustacea	≥ 100 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae	> 100 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
LOEC (chronic)	> 10 mg/l Test organisms (species): Daphnia magna Duration: '21 d'

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Bumetrizole (3896-11-5)	
NOEC (chronic)	≥ 10 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
Reaction mass of pentamethyl-4-piperidylsebacates (1065336-91-5)	
LC50 - Fish	0.9 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)
EC50 72h - Algae	1.68 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
EC50 72h - Algae [2]	0.42 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
NOEC (acute)	0.22 mg/l (4 d)
NOEC (chronic)	1 – 6.3 mg/l (21 d)
EC50, aquatic invertebrates, Chronic	mg/l (days)

12.2. Persistence and degradability

Bijlard Glazing 3.0	
Persistence and degradability	Rapidly degradable
Limestone (1317-65-3)	
Persistence and degradability	Rapidly degradable
Biodegradation	90 % (28 d; OECD 301 B)
Di-"isononyl" phthalate (28553-12-0)	
Persistence and degradability	Rapidly degradable
trimethoxyvinylsilane (2768-02-7)	
Persistence and degradability	Rapidly degradable
Octadecanoic acid, 12-hydroxy-, reaction products with ethylenediamine (100545-48-0)	
Persistence and degradability	Rapidly degradable
Amino silane oligomer, containing both amino and ethoxy groups	
Persistence and degradability	Rapidly degradable
formic acid ... % (64-18-6)	
Persistence and degradability	Rapidly degradable
Bumetrizole (3896-11-5)	
Persistence and degradability	Rapidly degradable
Reaction mass of pentamethyl-4-piperidylsebacates (1065336-91-5)	
Persistence and degradability	Rapidly degradable

12.3. Bioaccumulative potential

Di-"isononyl" phthalate (28553-12-0)	
BCF - Fish [1]	(183.8 dimensionless)
Partition coefficient n-octanol/water (Log Pow)	8.8 – 9.7 @ 25 °C / pH 4.6
Octadecanoic acid, 12-hydroxy-, reaction products with ethylenediamine (100545-48-0)	
Partition coefficient n-octanol/water (Log Pow)	5.86

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formic acid ... % (64-18-6)	
Partition coefficient n-octanol/water (Log Pow)	-2.3 – -1.9 @ 23 °C and pH 5 - 9
Bumetrizole (3896-11-5)	
BCF - Fish [1]	54 – 109 (whole body w.w.)
Partition coefficient n-octanol/water (Log Pow)	> 6.5 (at 23 °C (at pH 6.4)
Reaction mass of pentamethyl-4-piperidylsebacates (1065336-91-5)	
Partition coefficient n-octanol/water (Log Pow)	2.37 – 2.77 @ 25 °C and pH 7

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

Component	
Substance(s) meeting the vPvB criteria of REACH regulation, in accordance with Annex XIII	Bumetrizole (3896-11-5)
Substance(s) not meeting the PBT criteria of REACH regulation, in accordance with Annex XIII	Bumetrizole (3896-11-5)

12.6. Endocrine disrupting properties

No additional information available

12.7. Other adverse effects

Bijlard Glazing 3.0	
Other information	Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional waste regulation	: Disposal must be done according to official regulations.
Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
Sewage disposal recommendations	: Disposal must be done according to official regulations.
Product/Packaging disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations. Disposal must be done according to official regulations.
Additional information	: Do not re-use empty containers.
Ecological waste information	: Avoid release to the environment.
European List of Waste (LoW, EC 2000/532)	: 08 00 00 - WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS 08 04 09* - waste adhesives and sealants containing organic solvents or other dangerous substances

SECTION 14: Transport information

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

ADR	IMDG	IATA	ADN	RID
14.1. UN number or ID number				
Not regulated for transport				

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ADR	IMDG	IATA	ADN	RID
14.2. UN proper shipping name				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.3. Transport hazard class(es)				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.4. Packing group				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.5. Environmental hazards				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
No supplementary information available.				

14.6. Special precautions for user

Overland transport

Not regulated

Transport by sea

Not regulated

Air transport

Not regulated

Inland waterway transport

Not regulated

Rail transport

Not regulated

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

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

EU-Regulations

REACH Annex XVII (Restriction List)

EU restriction list (REACH Annex XVII)		
Reference code	Applicable on	Entry title or description
3(a)	formic acid ... %	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F
3(b)	trimethoxyvinylsilane ; Amino silane oligomer, containing both amino and ethoxy groups ; formic acid ... % ; Reaction mass of pentamethyl-4- piperidylsebacates	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10

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EU restriction list (REACH Annex XVII)		
Reference code	Applicable on	Entry title or description
3(c)	Bijlard Glazing 3.0 ; Reaction mass of pentamethyl-4- piperidylsebacates	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1
52(a)	Di-"isononyl" phthalate	Phthalates: Di-"isononyl" phthalate (DINP)

REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Contains substance(s) listed on the REACH Candidate List in concentrations $\geq 0.1\%$ or SCL: Bumetrizole (UV-326) (EC 223-445-4, CAS 3896-11-5)

PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (2024/590)

Not listed on the Ozone Depletion list (Regulation EU 2024/590)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 2024/590 on substances that deplete the ozone layer)

Council Regulation (EC) for the control of dual-use items

Contains no substance subject to the COUNCIL REGULATION (EC) for the control of dual-use items

Explosives Precursors Regulation (EU 2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (EC 273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

A chemical safety assessment has been carried out

For the following substances of this mixture a chemical safety assessment has been carried out:

formic acid ... %

SECTION 16: Other information

Indication of changes:

Revision : Update.

Indication of changes		
Section	Changed item	Comments
2.1	Adverse physicochemical, human health and environmental effects	Added
3	Composition/information on ingredients	Modified
4	Self protection of the first-aider	Added
4.1	First-aid measures after ingestion	Added
4.1	First-aid measures after inhalation	Added
4.1	First-aid measures after eye contact	Added

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Indication of changes		
Section	Changed item	Comments
4.1	First-aid measures after skin contact	Added
4.2	Symptoms/effects after eye contact	Added
4.2	Symptoms/effects after ingestion	Added
4.2	Symptoms/effects after inhalation	Added
4.2	Symptoms/effects after skin contact	Added
4.3	Other medical advice or treatment	Added
5.1	Suitable extinguishing media	Added
5.2	Explosion hazard	Added
5.2	Fire hazard	Added
5.3	Protection during firefighting	Added
5.3	Firefighting instructions	Added
6.1	Protective equipment	Added
6.1	Protective equipment	Added
6.1	Emergency procedures	Added
6.1	Emergency procedures	Added
6.1	General measures	Added
6.2	Environmental precautions	Added
6.3	Other information	Added
6.3	For containment	Added
6.3	Methods for cleaning up	Added
6.4	Reference to other sections (8, 13)	Added
7.1	Additional hazards when processed	Added
7.1	Precautions for safe handling	Added
7.1	Hygiene measures	Added
7.2	Technical measures	Added
7.2	Packaging materials	Added
8.2	Skin and body protection	Added
8.2	Appropriate engineering controls	Added
8.2	Environmental exposure controls	Added
8.2	Eye protection	Added
9	Flammability (solid, gas)	Added
9	Melting point	Added
12.1	Ecology - general	Added
13.1	HP Code	Modified
13.1	Waste treatment methods	Added
13.1	Sewage disposal recommendations	Added
13.1	Additional information	Added

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Indication of changes		
Section	Changed item	Comments
13.1	Product/Packaging disposal recommendations	Added
15.2	Chemical safety assessment	Added
16	Abbreviations and acronyms	Added

Abbreviations and acronyms:	
CAS-No.	Chemical Abstracts Service number
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
BLV	Biological limit value
BOD	Biochemical oxygen demand (BOD)
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
COD	Chemical oxygen demand (COD)
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC50	Median effective concentration
ED	Endocrine disruptor
EC-No.	European Community number
EN	European Standard
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
IOELV	Indicative Occupational Exposure Limit Value
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
N.O.S.	Not Otherwise Specified
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail

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Abbreviations and acronyms:	
STP	Sewage treatment plant
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
TRGS	Technical Rules for Hazardous Substances
VOC	Volatile Organic Compounds
WGK	Water Hazard Class
vPvB	Very Persistent and Very Bioaccumulative
ACGIH	American Conference of Governmental Industrial Hygienists
CSA	Chemical safety assessment
EWC	European waste catalogue
Log Kow	Partition coefficient n-octanol/water (Log Kow)
Log Pow	Partition coefficient n-octanol/water (Log Pow)
MAK	maximum workplace concentration
OSHA	Occupational Safety Health Administration
PPE	Personal protection equipment
SDS	Safety Data Sheet
TF	Technical function
TWA	Time Weighted Average
UFI	Unique Formula Identifier

Data sources

: ECHA (European Chemicals Agency). Manufacturer/Supplier.

Other information

: **DISCLAIMER OF LIABILITY** The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

Full text of H- and EUH-statements:	
Acute Tox. 3 (Inhalation)	Acute toxicity (inhal.), Category 3
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment – Chronic Hazard, Category 1
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
Skin Corr. 1A	Skin corrosion/irritation, Category 1, Sub-Category 1A
Skin Corr. 1B	Skin corrosion/irritation, Category 1, Sub-Category 1B
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1

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Full text of H- and EUH-statements:

Skin Sens. 1A	Skin sensitisation, category 1A
Skin Sens. 1B	Skin sensitisation, category 1B
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
EUH208	Contains trimethoxyvinylsilane, Octadecanoic acid, 12-hydroxy-, reaction products with ethylenediamine, Amino silane oligomer, containing both amino and ethoxy groups, Reaction mass of pentamethyl-4-piperidylsebacates. May produce an allergic reaction.

Full text of use descriptors

PC1	Adhesives, sealants
SU19	Building and construction work

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Flam. Liq. Not classified		Expert judgement
Skin Sens. Not classified		Expert judgement
Aquatic Chronic 3	H412	Calculation method

The classification complies with : ATP 12

Safety Data Sheet (SDS), EU

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.