

SAFETY DATA SHEET

Based upon Regulation (EC) No 1907/2006, as amended by Regulation (EU) No 2015/830

Fix All High Tack Invisible

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

1.1. Product identifier

Product name **Registration number REACH** Product type REACH

: Fix All High Tack Invisible : Not applicable (mixture) : Mixture

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

1.2.1 Relevant identified uses Sealant

1.2.2 Uses advised against No uses advised against known

1.3. Details of the supplier of the safety data sheet

Supplier of the safety data sheet

SOUDAL N.V. Everdongenlaan 18-20 B-2300 Turnhout **2** +32 14 42 42 31 +32 14 42 65 14 msds@soudal.com

Manufacturer of the product

SOUDAL N.V. Everdongenlaan 18-20 B-2300 Turnhout **2** +32 14 42 42 31 +32 14 42 65 14 msds@soudal.com

1.4. Emergency telephone number

24h/24h (Telephone advice: English, French, German, Dutch):

+32 14 58 45 45 (BIG)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classified as danger	ous a <mark>ccording to the c</mark>	criteria of Regulation (EC) No 1272/2008
Class	Category	Hazard statements
Skin Sens.	categ <mark>ory 1</mark>	H317: May cause an allergic skin reaction.
Aquatic Chronic	categ <mark>ory 3</mark>	H412: Harmful to aquatic life with long lasting effects.

2.2. Label elements



Contains: reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebecate and methyl (1,2,2,6,6-pentamethyl-4-piperidyl) sebacate. Signal word Warning

5	5		
H-statements			
H317	May cause an allergic skin reaction.		
H412	Harmful to aquatic life with long lasting effects.		
P-statements			
P101	If medical advice is needed, have product container or label	l at hand.	
P102	Keep out of reach of children.		
P280	Wear protective gloves, protective clothing and eye protect	ion/face protection.	
P273	Avoid release to the environment.		
P321	Specific treatment (see information on this label).		
P302 + P352	IF ON SKIN: Wash with plenty of water and soap.		
P333 + P313	If skin irritation or rash occurs: Get medical advice/attention	n.	
	e <mark>ntrum voor gevaarlijke stoffen vzw (B</mark> IG)	Publication date: 2014-04-18	en
Technische Schoolstraat 43 A, B-24	4 <mark>0 Geel</mark>	Date of revision: 2017-05-19	-548
http://www.big.be			960
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P362 + P364 P501 Take off contaminated clothing and wash it before reuse. Dispose of contents/container in accordance with local/regional/national/international regulation.

2.3. Other hazards

No other hazards known

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name REACH Registration No		CAS No EC No	Conc. (C)	Classification according to (CLP	Note	Remark
trimethoxyvinylsilane 01-2119513215-52		2768-02-7 220-449-8		Flam. Liq. 3; H226 Acute Tox. 4; H332 STOT RE 2; H373		(1)(10)	Constituent
3-(trimethoxysilyl)propylamine 01-2119510159-45		13822-56-5 237-511-5		Skin Irrit. 2; H315 Eye Dam. 1; H318		(1)(10)	Constituent
reaction mass of bis(1,2,2,6,6-pe piperidyl) sebecate and methyl (pentamethyl-4-piperidyl) sebaca 01-2119491304-40	1,2,2,6,6-		%	Skin Sens. 1A; H317 Aquatic Acute 1; H400 Aquatic Chronic 1; H410		(1)(10)	Constituent

(1) For H-statements in full: see heading 16

(10) Subject to restrictions of Annex XVII of Regulation (EC) No. 1907/2006

SECTION 4: First aid measures

4.1. Description of first aid measures

General:

If you feel unwell, seek medical advice.

After inhalation:

Remove the victim into fresh air. Respiratory problems: consult a doctor/medical service.

After skin contact:

Wash immediately with l<mark>ots of water. Soap may be used. Take</mark> victim to a doctor if irritation persists.

After eye contact:

Rinse with water. Remove contact lenses, if present and easy to do. Continue rinsing. Take victim to an ophthalmologist if irritation persists.

After ingestion:

Rinse mouth with water. Consult a doctor/medical service if you feel unwell.

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

4.2.1 Acute symptoms After inhalation: No effects known. After skin contact: No effects known. After eye contact: Slight irritation.

After ingestion: No effects known.

4.2.2 Delayed symptoms No effects known.

4.3. Indication of any immediate medical attention and special treatment needed If applicable and available it will be listed below.

SECTION 5: Firefighting measures

5.1. Extinguishing media 5.1.1 Suitable extinguishing media: Water spray. Polyvalent foam. ABC powder. Carbon dioxide. 5.1.2 Unsuitable extinguishing media: No unsuitable extinguishing media known. 5.2. Special hazards arising from the substance or mixture Upon combustion: formation of CO, CO2 and small quantities of nitrous vapours. 5.3. Advice for firefighters Reason for revision: 2 Publication date: 2014-04-18 Date of revision: 2017-05-19

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5.3.1 Instructions:

Take account of environmentally hazardous firefighting water. Use water moderately and if possible collect or contain it.

5.3.2 Special protective equipment for fire-fighters:

Gloves. Safety glasses. Protective clothing. Heat/fire exposure: compressed air/oxygen apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- No naked flames.
- 6.1.1 Protective equipment for non-emergency personnel See heading 8.2
- 6.1.2 Protective equipment for emergency responders

Gloves. Safety glasses. Protective clothing.

Suitable protective clothing

See heading 8.2

6.2. Environmental precautions

Contain released product. Dam up the solid spill. Use appropriate containment to avoid environmental contamination. Prevent soil and water pollution. Prevent spreading in sewers.

6.3. Methods and material for containment and cleaning up

Scoop solid spill into closing containers. Carefully collect the spill/leftovers. Clean contaminated surfaces with a soap solution. Take collected spill to manufacturer/competent authority. Wash clothing and equipment after handling.

6.4. Reference to other sections

See heading 13.

SECTION 7: Handling and storage

The information in this section is a general description. If applicable and available, exposure scenarios are attached in annex. Always use the relevant exposure scenarios that correspond to your identified use.

7.1. Precautions for safe handling

Keep away from naked flames/heat. Observe very strict hygiene - avoid contact. Keep container tightly closed. Remove contaminated clothing immediately. Do not discharge the waste into the drain.

7.2. Conditions for safe storage, including any incompatibilities

7.2.1 Safe storage requirements: Storage temperature: 20 °C. Store in a dry area. Keep container in a well-ventilated place. Store at room temperature. Meet the legal requirements. Max. storage time: 1 year(s).

7.2.2 Keep away from:

Heat sources.

7.2.3 Suitable packaging material:

Synthetic material.

7.2.4 Non suitable packaging material:

No data available

7.3. Specific end use(s)

If applicable and available, exposure scenarios are attached in annex. See information supplied by the manufacturer.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 Occupational exposure

a) Occupational exposure limit values If limit values are applicable and available these will be listed below.

b) National biological limit values

If limit values are applicable and available these will be listed below.

8.1.2 Sampling methods

If applicable and available it will be listed below.

- 8.1.3 Applicable limit values when using the substance or mixture as intended
- If limit values are applicable and available these will be listed below.

8.1.4 DNEL/PNEC values

DNEL/DMEL - Workers

rimethoxyvinylsilane					
Effect level (DNEL/DM	EL)	Туре	Val	ue	Remark
DNEL		Long-term systemic effects inhalation	2.6	mg/m³	
		Acute systemic effects inhalation	2.6	mg/m³	
		Long-term systemic effects dermal	0.2	mg/kg bw/day	
		Acute systemic effects dermal	0.2	mg/kg bw/day	

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Effect level (DNEL/DMEL)	Туре		Value	Remark
DNEL	Long-term syste	emic effects inhalation	58 mg/m ³	
		emic effects dermal	8.3 mg/kg bw/day	
action mass of bis(1,2,2,6,6-r	entamethyl-4-piperidy	 sebecate and methyl (1,2,2,6, 	6-pentamethyl-4-piperidyl) seba	icate
Effect level (DNEL/DMEL)	Туре		Value	Remark
DNEL	Long-term syste	emic effects inhalation	3.35 mg/m ³	
	Long-term syste	e <mark>mic effec</mark> ts dermal	2 mg/kg bw/day	
NEL/DMEL - General populat	ion			·
methoxyvinylsilane				
Effect level (DNEL/DMEL)	Туре		Value	Remark
DNEL	Long-term syste	emic effects inhalation	0.7 mg/m ³	
	Acute systemic	effects inhalation	0.7 mg/m³	
	Long-term syste	e <mark>mic effec</mark> ts dermal	0.1 mg/kg bw/day	
	Acute systemic	effects dermal	0.1 mg/kg bw/day	
	Long-term syste	emic effects oral	0.1 mg/kg bw/day	
(trimethoxysilyl)propylamine				·
Effect level (DNEL/DMEL)	Туре		Value	Remark
DNEL	Long-term syste	emic effects inhalation	17 mg/m³	
	Long-term syste	emic effects dermal	5 mg/kg bw/day	
		emic effects oral	5 mg/kg bw/day	
	entamethyl-4-piperidy	 sebecate and methyl (1,2,2,6, 	6-pentamethyl-4-piperidyl) seba	icate
Effect level (DNEL/DMEL)	Туре		Value	Remark
		emic effects inhalation	0.87 mg/m³	
	Long-term syste	e <mark>mic effec</mark> ts dermal	1 mg/kg bw/day	
	Long-term syste	emic effects oral	0.5 mg/kg bw/day	
IEC				·
methoxyvinylsilane				
Compartments		Value	Remark	
Fresh water		0.36 mg/l		
Marine water		0.036 mg/l		
STP		6.6 mg/l		
Fresh water sediment		1.3 mg/kg sediment dw		
Marine water sediment		0.13 mg/kg sediment dw		
Soil		0.055 mg/kg soil dw		
(trimethoxysilyl)propylamine				
Compartments		Value	Remark	
Fresh water		0.33 mg/l		
Marine water		0.033 mg/l		
Aqua (intermittent releases)		3.3 mg/l		
STP		13 mg/l		
Fresh water sediment		1.2 mg/kg sediment dw		
Marine water sediment		0.12 mg/kg sediment dw		
Soil		0.045 mg/kg soil dw		
Oral		44.4 mg/kg food		
action mass of bis(1,2,2,6,6-r	entamethyl-4-piperidy	(I) sebecate and methyl (1,2,2,6,	6-pentamethyl-4-piperidyl) seba	icate
Compartments		Value	Remark	
Fresh water		0.0022 mg/l		
Marine water		0.00022 mg/l		
Aqua (intermittent releases)		0.009 mg/l		
STP		1 mg/l		
Fresh water sediment		1.05 mg/kg sediment dw		
Marine water sediment		0.11 mg/kg sediment dw		
Soil		0.21 mg/kg soil dw		

8.2. Exposure controls

The information in this section is a general description. If applicable and available, exposure scenarios are attached in annex. Always use the relevant exposure scenarios that correspond to your identified use.

8.2.1 Appropriate engineering controls

Keep away from naked flames/heat. Measure the concentration in the air regularly. Carry operations in the open/under local exhaust/ventilation or with respiratory protection.

8.2.2 Individual protection measures, such as personal protective equipment

Observe very strict hygiene - avoid contact. Keep container tightly closed. Do not eat, drink or smoke during work.

a) Respiratory protection:

Respiratory protection not required in normal conditions.

b) Hand protection:

Reason for revision: 2

Fix All High Tack Invisible Gloves c) Eye protection: Safety glasses. d) Skin protection: Protective clothing. 8.2.3 Environmental exposure controls: See headings 6.2, 6.3 and 13 SECTION 9: Physical and chemical properties 9.1. Information on basic physical and chemical properties Physical form Paste Odour Characteristic odour Odour threshold <mark>No data availa</mark>ble Colour Variable in colour, depending on the composition Particle size Not applicable Explosion limits No data available Flammability Non-flammable Log Kow Not applicable (mixture) Dynamic viscosity No data available Kinematic viscosity No data available Melting point No data available No data available Boiling point Flash point No data available Evaporation rate No data available No data available Relative vapour density Vapour pressure No data available No data available Solubility 1.085 ; 20 °C Relative density Decomposition temperature No data available Auto-ignition temperature No data available Explosive properties No chemical group associated with explosive properties Oxidising properties No chemical group associated with oxidising properties No data available nН 9.2. Other information Absolute density 1085 kg/m³ ; 20 °C SECTION 10: Stability and reactivity 10.1. Reactivity Heating increases the fire hazard. 10.2. Chemical stability Stable under normal conditions. 10.3. Possibility of hazardous reactions No data available. 10.4. Conditions to avoid Keep away from naked flames/heat. 10.5. Incompatible materials No data available 10.6. Hazardous decomposition products Upon combustion: formation of CO, CO2 and small quantities of nitrous vapours. SECTION 11: Toxicological information 11.1. Information on toxicological effects 11.1.1 Test results Acute toxicity Fix All High Tack Invisible No (test)data on the mixture available Reason for revision: 2 Publication date: 2014-04-18 Date of revision: 2017-05-19

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rimethoxyvinylsilane									
Route of exposure	e Para	meter	Method	Value		Exposure time	Species	Value determination	Remark
Oral	LD50)	Equivalent to OECD 401	7120 mg 7236 mg		F	Rat (male/female)	Experimental value	
Dermal	LD50)	Equivalent to OECD 402	3259 mg		24 h	Rabbit (female)	Converted value	
Inhalation (vapour	rs) LC50)	Equivalent to OECD 403	16.81 mg	g/l	4 h F	Rat (male/female)	Experimental value	
-(trimethoxysilyl)pro	pylamine	e							
Route of exposure	e Para	meter	Method	Value		Exposure time	Species	Value determination	Remark
Oral	LD50)	Equivalent to OECD 401	2.970 ml,	/kg bw	F	Rat (male)	Experimental value	
Dermal	LD50)	Equivalent to OECD 402	11.3 ml/l	kg bw	24 h F	Rabbit (male)	Experimental value	
Inhalation (vapour	rs) LC50)	OECD 403	> 5 ppm		6 h F	Rat (male)	Read-across	
Inhalation (vapour			OECD 403	> 16 ppm			Rat (female)	Read-across	
					d methyl (1	,2,2,6,6-pentamethy			
Route of exposure		-	Method	Value		•	Species	Value determination	Remark
Oral	LD50)	Equivalent to OECD 423	3230 mg,	/kg bw		Rat (male/female)	Experimental value	
Dermal	LD50)	Equivalent to OECD 402	> 3170 m	ng/kg bw	24 h F	Rat (male/female)	Read-across	
Inhalation								Data waiving	
Il High Tack Invisible Io (test)data on the n rimethoxyvinylsilane		ivailable					- I	L	- <u> </u>
Route of exposure	Result		Method	Expos	ure time	Time point	Species	Value determination	Remark
Eye	Not irrit	-	OECD 405	24 h	_	1; 24; 48; 72 hour		Experimental valu	
Skin (tains a the same in d) and a	Not irrit			24 h		24; 48; 72 hours	Rabbit	Experimental valu	e
-(trimethoxysilyl)pro Route of exposure		<u>e</u>	Method	Expos	ure time	Time point	Species	Value	Remark
		0.40					Rabbit	determination	Kernark
Eye	Serious damage		Equivalent to OECD 405			24; 48; 72 hours	Kabbit	Read-across	
Skin	Irritatin	g	OECD 404	3 minu minut	utes - 240 es	1; 24; 48; 72; 168 hours	Rat	Calculated value	
eaction mass of bis(1	,2,2,6,6-	pentam	ethyl-4-piperidyl) se	becate and	d methyl (1	1,2,2,6,6-pentamethy	-4-piperidyl) sebac	ate	
Route of exposure			Method		ure time	Time point	Species	Value determination	Remark
Еуе	Not irrit	tating	EPA OPP 81-4	30 sec	onds	1; 2; 3; 4; 5; 7 day	s Rabbit	Experimental valu	e Single treat with rinsing
Eye	Not irrit	tating	EPA OPP 81-4			1; 2; 3; 4; 5; 7 day	s Rabbit	Experimental valu	0
Skin	Not irrit	tating	EPA OPP 81-5	24 h		24; 48; 72 hours	Rabbit	Experimental valu	
	l experie	nce, th	e classification for thi	is mixture	is less strin	igent than the one ba	sed on the calculat	ion set out	
nclusion Jot classified as irritat Jot classified as irritat Jot classified as irritat atory or skin sensitis <u>Il High Tack Invisible</u> Jo (test)data on the n	ting to th ting to th ation	ne eyes ne respi							
rimethoxyvinylsilane Route of exposure	Result		Method	Exposu	ire time	Observation time point	Species	Value determination	Remark
	Not sens	sitizing	OECD 406			24; 48 hours	Guinea pig (male/female)	Experimental value	
Skin									
Skin									
Skin n for revision: 2							Publication date: 20		
							Publication date: 20 Date of revision: 20		

Route of exposure	opylamin <mark>e</mark> Result	Method	Evno	sure time	Observation time	Species	Value determina	ationRemark
				sure time	point	-		
Skin	Not sens <mark>itizi</mark> r	0	72 h		24; 48 hours	Guinea pig (male/female)	Experimental val	ue
reaction mass of bis(
Route of exposure	Result	Method	Expos	sure time	Observation time point	Species	Value determina	ationRemark
Intradermal	Sensitizing	OECD 406			24; 48 hours	Guinea pig (male/female)	Experimental val	ue
Classification is based	l on the r <mark>elev</mark> a	ant ingredients						
Conclusion								
May cause an allergic								
Not classified as sens	itizing for inha	alation						
ific torget organ toyic								
ific target organ toxic	лту							
All High Tack Invisible	<u>1</u>						-	
No (test)data on the m	ixture availab	le						
trimethoxyvinylsilane					_			
Route of exposur	e Parameter	Method	Value	Organ	Effect	Exposure time	Species	Value
							_	determinatio
Oral (stomach	LOAEL	OECD 422	62.5 mg/kg	Bladder	Histopatholog	gic	Rat (male)	Experimental
tube)		Culture 1	bw/day		al changes	14		value
Inhalation	NOAEC	Subchronic	10 ppm		No effect	14 weeks (6h/d		Experimental
(vapours) 3-(trimethoxysilyl)pro	anulamina	toxicity test				days/week)	(male/fema	ale) value
Route of exposur		Method	Value	Organ	Effect	Exposure time	Species	Value
Noule of exposul	e i arameter	wiethou	Value	organ	LIICOL	LAPOSULE UITIE	species	determinatio
Oral (stomach	LOAEL	OECD 408	600 mg/kg	Liver	Clinical signs;	92 day(s)	Rat	Read-across
tube)	LUALL	0100 400	bw/day	LIVEI	mortality; boo		(male/fema	
,			,,		weight; food		(,
					consumption			
Oral (stomach	NOAEL	OECD 408	200 mg/kg	Liver	No effect	92 day(s)	Rat	Read-across
tube)			bw/day				(male/fema	,
Inhalation (aeros		Equivalent to	147 mg/m³ ai	r Lungs	Lesions in	4 weeks (6h/da	7,5 Rat (male)	Read-across
	(inhalation	OECD 412			larynx, trache	a days/week)		
	risk test)		h d) a a h a a h	al mostly 1/4 *	and lung	1 A mine dal 15 - 1		
reaction mass of bis() Route of exposur			Value	organ	Effect	Exposure time	species	Value
Noule of exposul	e i arameter	wiethou	Value	organ	LIICOL	LAPOSULE UITLE	species	determinatio
Oral (stomach	NOAEL	OECD 407	300 mg/kg		No effect	28 days (1x/day) Rat	Experimental
tube)			bw/day				, (male/fema	
Judgement is based of	on the rel <mark>evan</mark>	t ingredients						
Conclusion								
Conclusion Not classified for sub	chronic toxicit	ty						
Not classified for sub	chronic toxicit	ty		Li				
	chronic to <mark>xici</mark> l	ty		li				
Not classified for sub agenicity (in vitro) All High Tack Invisible	2			li				
Not classified for sub agenicity (in vitro)	2			li				
Not classified for sub agenicity (in vitro) All High Tack Invisible	<u>e</u> mixture availa			İ				
Not classified for sub agenicity (in vitro) All High Tack Invisible No (test)data on the trimethoxyvinylsilane Result	e mixture availa e	able Method		Test substra	ite	Effect	Value	determination
Not classified for sub agenicity (in vitro) All High Tack Invisible No (test)data on the trimethoxyvinylsilane Result Positive with met	e mixture availa e abolic	able		Test substra CHL/IU cells		Effect Chromosome aberr		determination imental value
Not classified for sub agenicity (in vitro) All High Tack Invisible No (test)data on the trimethoxyvinylsilane Result Positive with met activation, positiv	2 mixture availa 2 cabolic ve without	able Method						
Not classified for sub agenicity (in vitro) All High Tack Invisible No (test)data on the trimethoxyvinylsilane Result Positive with met activation, positiv metabolic activat	mixture availa	able Method						
Not classified for sub agenicity (in vitro) All High Tack Invisible No (test)data on the trimethoxyvinylsilane Result Positive with met activation, positiv metabolic activat 3-(trimethoxysilyl)pro	mixture availa a cabolic ve without ion	able Method OECD 473		CHL/IU cells		Chromosome aber	rations Exper	imental value
Not classified for sub agenicity (in vitro) All High Tack Invisible No (test)data on the trimethoxyvinylsilane Result Positive with met activation, positiv metabolic activat 3-(trimethoxysilyl)pro Result	2 mixture availa 2 cabolic /e without ion ppylamine	able Method OECD 473 Method		CHL/IU cells	ite	Chromosome aber	ations Exper	imental value determination
Not classified for sub agenicity (in vitro) All High Tack Invisible No (test)data on the trimethoxyvinylsilane Result Positive with met activation, positiv metabolic activat 3-(trimethoxysilyl)pro Result Negative with met	mixture availa a cabolic ve without ion ppylamine etabolic	able Method OECD 473		CHL/IU cells		Chromosome aber	ations Exper	imental value
Not classified for sub agenicity (in vitro) All High Tack Invisible No (test)data on the trimethoxyvinylsilane Result Positive with met activation, positiv metabolic activat 3-(trimethoxysilyl)pro Result Negative with me activation, negati	mixture availa mixture availa abolic ve without ion ppylamine etabolic ve without	able Method OECD 473 Method		CHL/IU cells	ite	Chromosome aber	ations Exper	imental value determination
Not classified for sub agenicity (in vitro) All High Tack Invisible No (test)data on the trimethoxyvinylsilane Result Positive with met activation, positiv metabolic activat 3-(trimethoxysilyl)pro Result Negative with me activation, negati metabolic activat	mixture availa mixture availa cabolic ve without ion ppylamine etabolic ve without ion	able Method OECD 473 Method OECD 476		CHL/IU cells Test substra Chinese han	ate nster ovary (CHO)	Chromosome aber Effect No effect	ations Exper Value Read-	imental value determination across
Not classified for sub agenicity (in vitro) All High Tack Invisible No (test)data on the trimethoxyvinylsilane Result Positive with met activation, positiv metabolic activat 3-(trimethoxysilyl)pro Result Negative with me activation, negati metabolic activat Negative with me	mixture availa mixture availa abolic ve without ion pylamine etabolic ve without ion	able Method OECD 473 Method		CHL/IU cells Test substra Chinese han Chinese han	ate nster ovary (CHO) nster lung	Chromosome aber	ations Exper Value Read-	imental value determination
Not classified for sub agenicity (in vitro) All High Tack Invisible No (test)data on the trimethoxyvinylsilane Result Positive with met activation, positiv metabolic activat 3-(trimethoxysilyl)pro Result Negative with me activation, negati metabolic activat	mixture availa	able Method OECD 473 Method OECD 476		CHL/IU cells Test substra Chinese han	ate nster ovary (CHO) nster lung	Chromosome aber Effect No effect	ations Exper Value Read-	imental value determination across
Not classified for sub agenicity (in vitro) All High Tack Invisible No (test)data on the trimethoxyvinylsilane Result Positive with met activation, positiv metabolic activat 3-(trimethoxysilyl)pro Result Negative with me activation, negati metabolic activat Negative with me activation, negati	mixture availa	able Method OECD 473 Method OECD 476		CHL/IU cells Test substra Chinese han Chinese han	ate nster ovary (CHO) nster lung V79)	Chromosome aber Effect No effect	ations Exper Value Read- Read-	imental value determination across
Not classified for sub agenicity (in vitro) All High Tack Invisible No (test)data on the trimethoxyvinylsilane Result Positive with met activation, positiv metabolic activat Negative with met activation, negati metabolic activat Negative with met activation, negati metabolic activat	mixture availa	Method OECD 473 Method OECD 476 OECD 473		CHL/IU cells Test substra Chinese han Chinese han fibroblasts (ate nster ovary (CHO) nster lung V79)	Chromosome aber Effect No effect No effect	ations Exper Value Read- Read-	imental value determination across across
Not classified for sub agenicity (in vitro) All High Tack Invisible No (test)data on the trimethoxyvinylsilane Result Positive with met activation, positiv metabolic activat 3-(trimethoxysilyl)pro Result Negative with me activation, negati metabolic activat Negative with me activation, negati metabolic activat Negative with me	emixture availa	Method OECD 473 Method OECD 476 OECD 473		CHL/IU cells Test substra Chinese han fibroblasts (Escherichia	ate nster ovary (CHO) nster lung V79) coli	Chromosome aber Effect No effect No effect	ations Exper Value Read- Read-	imental value determination across across
Not classified for sub agenicity (in vitro) All High Tack Invisible No (test)data on the trimethoxyvinylsilane Result Positive with met activation, positiv metabolic activat 3-(trimethoxysilyl)pro Result Negative with me activation, negati metabolic activat Negative with me activation, negati metabolic activat Negative with me activation, negati metabolic activat Negative with me	emixture availa	Method OECD 473 Method OECD 476 OECD 473		CHL/IU cells Test substra Chinese han fibroblasts (Escherichia	ate nster ovary (CHO) nster lung V79) coli	Chromosome aber Effect No effect No effect	ations Exper Value Read- Read- Exper	imental value determination across across
Not classified for sub agenicity (in vitro) All High Tack Invisible No (test)data on the trimethoxyvinylsilane Result Positive with met activation, positiv metabolic activat 3-(trimethoxysilyl)pro Result Negative with me activation, negati metabolic activat Negative with me activation, negati metabolic activat Negative with me activation, negati metabolic activat Negative with me activation, negati metabolic activat Negative with me activation, negati	emixture availa	Able Method OECD 473 Method OECD 476 OECD 473 OECD 471		CHL/IU cells Test substra Chinese han fibroblasts (Escherichia	ate nster ovary (CHO) nster lung V79) coli	Chromosome aber Effect No effect No effect No effect	ations Exper Value Read- Read- Exper	imental value determination across across imental value
Not classified for sub agenicity (in vitro) All High Tack Invisible No (test)data on the trimethoxyvinylsilane Result Positive with met activation, positiv metabolic activat 3-(trimethoxysilyl)pro Result Negative with me activation, negati metabolic activat Negative with me activation, negati metabolic activat Negative with me activation, negati metabolic activat Negative with me	emixture availa	Able Method OECD 473 Method OECD 476 OECD 473 OECD 471		CHL/IU cells Test substra Chinese han fibroblasts (Escherichia	ate nster ovary (CHO) nster lung V79) coli	Chromosome aber Effect No effect No effect No effect	ations Exper Value Read- Read- Exper	imental value determination across across imental value
Not classified for sub agenicity (in vitro) All High Tack Invisible No (test)data on the trimethoxyvinylsilane Result Positive with met activation, positiv metabolic activat 3-(trimethoxysilyl)pro Result Negative with me activation, negati metabolic activat Negative with me activation, negati metabolic activat Negative with me activation, negati metabolic activat Negative with me activation, negati metabolic activat Negative with me activation, negati	emixture availa	Able Method OECD 473 Method OECD 476 OECD 473 OECD 471		CHL/IU cells Test substra Chinese han fibroblasts (Escherichia	ate nster ovary (CHO) nster lung V79) coli	Chromosome aber Effect No effect No effect No effect	ations Exper Value Read- Read- Exper	imental value determination across across imental value
Not classified for sub agenicity (in vitro) All High Tack Invisible No (test)data on the trimethoxyvinylsilane Result Positive with met activation, positiv metabolic activat Alternethoxysilyl)pro Result Negative with met activation, negati metabolic activat Negative with met activation, negati metabolic activat Negative with met activation, negati metabolic activat Negative with met activation, negati metabolic activat Negative with met activation, negati metabolic activat	emixture availa	Able Method OECD 473 Method OECD 476 OECD 473 OECD 471		CHL/IU cells Test substra Chinese han fibroblasts (Escherichia	ate nster ovary (CHO) nster lung V79) coli	Chromosome aber Effect No effect No effect No effect	ations Exper Value Read- Read- Exper Exper	imental value determination across across imental value
Not classified for sub agenicity (in vitro) All High Tack Invisible No (test)data on the trimethoxyvinylsilane Result Positive with met activation, positiv metabolic activat 3-(trimethoxysilyl)pro Result Negative with me activation, negati metabolic activat Negative with me activation, negati metabolic activat Negative with me activation, negati metabolic activat Negative with me activation, negati metabolic activat Negative with me activation, negati	emixture availa	Able Method OECD 473 Method OECD 476 OECD 473 OECD 471		CHL/IU cells Test substra Chinese han fibroblasts (Escherichia	ate nster ovary (CHO) nster lung V79) coli	Chromosome aber Effect No effect No effect No effect No effect	ations Exper Value Read- Read- Exper Exper	imental value determination across across imental value
Not classified for sub agenicity (in vitro) All High Tack Invisible No (test)data on the trimethoxyvinylsilane Result Positive with met activation, positiv metabolic activat Alternethoxysilyl)pro Result Negative with met activation, negati metabolic activat Negative with met activation, negati metabolic activat Negative with met activation, negati metabolic activat Negative with met activation, negati metabolic activat Negative with met activation, negati metabolic activat	emixture availa	Able Method OECD 473 Method OECD 476 OECD 473 OECD 471		CHL/IU cells Test substra Chinese han fibroblasts (Escherichia	ate nster ovary (CHO) nster lung V79) coli	Chromosome aber Effect No effect No effect No effect	ations Exper Value Read- Read- Exper Exper	imental value determination across across imental value

Result		Method		idyi) sebec		Test sub	(1,2,2,6,6-per ostrate	nameth	Effect	idyi) se	<u>bacale</u>	Value	determination
Negative		Equivale		CD 471		Bacteria	(S.typhimuriu	um)	No effect				mental value
Positive		OECD 47					hamster lung					· ·	mental value
							sts (V79)						
agenicity (in vivo))												
<u>All High Tack Invi</u> No (test)data on	the mixture	available											
trimethoxyvinyls	<u>ilane</u>	h	A		F		. .				0		h/_l
Result Negative			/lethod	6-83-001	Expo	sure tim		est subst	rate ale/femal		Organ		Value determinat Experimental valu
3-(trimethoxysily	/l)propylamir		I A 300/	0-03-001			IVI	ouse (m	aleyTerna	c)			
Result			/lethod		Expo	sure tim	e Te	st subst	rate		Organ		Value determinat
Negative		E	quivale	nt to OECD			M	ouse (m	ale/femal	e)	Bone marro	w	Read-across
			.74		_		(1.0.0.6.6		1				
reaction mass of Result	bis(1,2,2,6,6		<u>-4-pipei</u> /lethod	ridyl) sebec		sure tim		st subst			-		Value determinat
Negative			DECD 47	4	Exp0			ouse (m			Organ Bone marro	ow	Experimental value
Judgement is bas	sed on the re	elevant ingred	ients					<u>,</u>	,				
<u>Conclusion</u>													
Not classified for	r mutagenic o	or <mark>genotoxic t</mark> e	oxicity										
inogenicity													
moyoniony													
<u>All High Tack Invi</u> No (test)data on	the mixture												
3-(trimethoxysily				Volue		Fvr e ····	o time -	Conceile -		F#		0	1-1
Route of exposure	Parameter	Method		Value		Exposur	e time	Species		Effect		Organ	Value determinati
Dermal	NOAEL	Carcinoge	nic	43.8 mg/w	veek	104 wee	eks (3	Mouse		No card	cinogenic	Skin	Inconclusive
		toxicity stu		5		times/w	reek)	(male/fe		effect	0		insufficient o
Judgement is base Conclusion	sed on the re	elevant ingred	ients										
roductive toxicity		city					2						
roductive toxicity	isible						i.			1			
roductive toxicity	isible the mixture illane		Meth	od	Value		Exposure tim	ne Spec	ies	Effec	ct	Organ	Value determinati
roductive toxicity <u>All High Tack Invi</u> No (test)data on	i <u>sible</u> the mixture <u>iilane</u>	available	Meth EPA (798.4	DTS	Value 100 pp	m	10 days (gestation,		ies female)		ct	Organ	Value determinati Experimenta value
roductive toxicity <u>x All High Tack Invi</u> No (test)data on <u>trimethoxyvinyls</u>	isible the mixture illane tal toxicity	available Parameter	EPA C	DTS 350 DTS			10 days (gestation, 6h/day) 10 days (gestation,	Rat (No e		Organ	determination Experimenta
All High Tack Invi No (test)data on trimethoxyvinyls Developmen Maternal tox	isible the mixture illane tal toxicity ilicity	available Parameter NOAEL NOAEL	EPA C 798.4 EPA C 798.4	DTS 350 DTS 350	100 pp 25 ppm	1	10 days (gestation, 6h/day) 10 days (gestation, 6h/day)	Rat (female)	No e	ffect	Organ	determinati Experimenta value Experimenta value
roductive toxicity All High Tack Invi No (test)data on trimethoxyvinyls Developmen	isible the mixture illane tal toxicity ilicity	available Parameter NOAEL	EPA C 798.4 EPA C	0TS 350 0TS 350 422	100 pp	n ng/kg	10 days (gestation, 6h/day) 10 days (gestation,	Rat (female) female)	No e	ffect	Organ	determinati Experimenta value Experimenta
All High Tack Invi No (test)data on trimethoxyvinyls Developmen Maternal tox	isible the mixture ilane tal toxicity cicity rtility	available Parameter NOAEL NOAEL NOAEL (P)	EPA (798.4 EPA (798.4 OECD	DTS 350 DTS 350 422	100 pp 25 ppm 1000 m bw/day	n ng/kg	10 days (gestation, 6h/day) 10 days (gestation, 6h/day) ≤ 43 day(s)	Rat (female) female) male)	No e	ffect ffect		determinati Experimenta value Experimenta value Experimenta value
All High Tack Invi No (test)data on trimethoxyvinyls Developmen Maternal tox Effects on fee	isible the mixture ilane tal toxicity cicity rtility	available Parameter NOAEL NOAEL NOAEL (P)	EPA C 798.4 EPA C 798.4	DTS 350 DTS 350 422	100 pp 25 ppm 1000 m	n ng/kg	10 days (gestation, 6h/day) 10 days (gestation, 6h/day)	Rat (female) female) male)	No e	ffect ffect	Organ	determinati Experimenta value Experimenta value Experimenta value Value
All High Tack Invi No (test)data on trimethoxyvinyls Developmen Maternal tox Effects on fee	isible the mixture ilane tal toxicity icity rtility /lpropylamir	available Parameter NOAEL NOAEL NOAEL (P)	EPA (798.4 EPA (798.4 OECD	075 350 075 350 0422 00 00 00 00 00 00 00 00 00	100 pp 25 ppm 1000 m bw/day	ı / ;/kg	10 days (gestation, 6h/day) 10 days (gestation, 6h/day) ≤ 43 day(s) Exposure tim 14 days (gestation,	Rat (female) female) male)	No e No e No e	ffect ffect		determinati Experimenta value Experimenta value Experimenta value
All High Tack Invi No (test)data on trimethoxyvinyls Developmen Maternal tox Effects on fer 3-(trimethoxysily	isible the mixture ilane tal toxicity icity rtility /lpropylamir	available Parameter NOAEL NOAEL NOAEL (P) De Parameter	EPA C 798.4 EPA C 798.4 OECD	075 350 075 350 0422 000 075 900 075 900 075	100 pp 25 ppm 1000 m bw/day Value	1 / / ;/kg ;/kg	10 days (gestation, 6h/day) 10 days (gestation, 6h/day) ≤ 43 day(s) Exposure time 14 days (gestation, daily) 14 days (gestation,	Rat (Rat (Rat (female) female) male)	No e No e No e Effec No e Mino	ffect ffect ffect		determinati Experimenta value Experimenta value Experimenta value Value determinati Read-across
All High Tack Invi No (test)data on trimethoxyvinyls Developmen Maternal tox Effects on fer 3-(trimethoxysily	isible the mixture ilane tal toxicity cicity rtility //)propylamir tal toxicity	available Parameter NOAEL NOAEL NOAEL (P) <u>1e</u> Parameter NOAEL	EPA C 798.4 EPA C 798.4 OECD Meth EPA C 798.4	075 350 075 350 0422 000 075 9000	100 pp 25 ppm 1000 m bw/day 100 mg bw/day 600 mg bw/day 100 mg) / ;/kg / ;/kg /	10 days (gestation, 6h/day) 10 days (gestation, 6h/day) ≤ 43 day(s) Exposure tim 14 days (gestation, daily) 14 days	Rat (Rat (Rat (Rat (female) female) male)	No e No e No e Effec No e Mino varia	ffect ffect ffect ct ffect or skeletal	Organ	determinati Experimenta value Experimenta value Experimenta value Value determinati Read-across
c All High Tack Invi No (test)data on trimethoxyvinyls Developmen Maternal tox Effects on fer 3-(trimethoxysily Developmen	isible the mixture ilane tal toxicity cicity rtility //)propylamir tal toxicity	available Parameter NOAEL NOAEL NOAEL (P) Parameter NOAEL LOAEL	EPA C 798.4 EPA C 798.4 OECD Meth EPA C 798.4 EPA C 798.4	orts 350 0 422 0 d 0 422 0 d 0 d 0 d 0 d 0 d 0 d 0 d 0 d 0 d 0 d	100 pp 25 ppm 1000 m bw/day Value 100 mg bw/day) / ;/kg / ;/kg / ;/kg	10 days (gestation, 6h/day) 10 days (gestation, 6h/day) ≤ 43 day(s) Exposure tim 14 days (gestation, daily) 14 days (gestation, daily)	Rat (Rat (Rat (Rat (Rat (Rat	female) female) male)	No e No e No e Effec No e No e Clini mort weig	ffect ffect ct ffect ct ffect ffect cal signs; tality; body th; food	Organ Skeletor General	determinati Experimenta value Experimenta value Experimenta value Value determinati Read-across
c All High Tack Invi No (test)data on trimethoxyvinyls Developmen Maternal tox Effects on fer 3-(trimethoxysily Developmen	isible the mixture ilane tal toxicity icity rtility tal toxicity tal toxicity	available Parameter NOAEL NOAEL NOAEL NOAEL NOAEL NOAEL LOAEL NOAEL	EPA C 798.4 EPA C 798.4 OECD Meth EPA C 798.4 EPA C 798.4 C	0175 350 0175 350 0422 000 0175 9000 0175 017	100 pp 25 ppm 1000 m bw/day Value 100 mg bw/day 600 mg bw/day 600 mg bw/day	n / / //kg / //kg / //kg / //kg	10 days (gestation, 6h/day) 10 days (gestation, 6h/day) ≤ 43 day(s) Exposure tim 14 days (gestation, daily) 14 days (gestation, daily) 14 day(s)	Rat (Rat (Rat (Rat (Rat Rat Rat Rat Rat	female) female) ies	No e No e No e Effec No e Varia No e Clini mori weig cons	ffect ffect ct ct ffect ct ffect cal signs; tality; body	Organ Skeletor General	determinati Experimenta Value Experimenta Value Value Value Read-across Read-across Read-across
c All High Tack Invi No (test)data on trimethoxyvinyls Developmen Maternal tox Effects on fee 3-(trimethoxysily Developmen Maternal tox Effects on fee Maternal tox Developmen Maternal tox	isible the mixture ilane tal toxicity icity rtility tal toxicity tal toxicity	available Parameter NOAEL NOAEL NOAEL Parameter NOAEL LOAEL LOAEL LOAEL	EPA C 798.4 EPA C 798.4 OECD Meth EPA C 798.4 EPA C 798.4 CTPA C	0175 350 0175 350 0422 000 0175 9000 0175 017	100 pp 25 ppm 1000 m bw/day Value 100 mg bw/day 600 mg bw/day 100 mg bw/day	n / / //kg / //kg / //kg / //kg	10 days (gestation, 6h/day) 10 days (gestation, 6h/day) ≤ 43 day(s) ≤ 43 day(s) Exposure tim 14 days (gestation, daily) 14 days (gestation, daily) 14 day(s)	Rat (Rat (Rat (Rat (Rat Rat Rat Rat Rat	female) female) male)	No e No e No e Effec No e Varia No e Clini mori weig cons	ffect ffect ffect ct ffect cal signs; tality; body wht; food sumption	Organ Skeletor General	determinati Experimenta Value Experimenta Value Value Read-across Read-across Read-across Read-across Read-across
c All High Tack Invi No (test)data on trimethoxyvinyls Developmen Maternal tox Effects on fee 3-(trimethoxysily Developmen Maternal tox Maternal tox Maternal tox Maternal tox Maternal tox	isible the mixture ilane tal toxicity icity rtility tal toxicity tal toxicity	available Parameter NOAEL NOAEL NOAEL Parameter NOAEL LOAEL LOAEL LOAEL	EPA C 798.4 EPA C 798.4 OECD Meth EPA C 798.4 EPA C 798.4 CTPA C	0175 350 0175 350 0422 000 0175 9000 0175 017	100 pp 25 ppm 1000 m bw/day Value 100 mg bw/day 600 mg bw/day 600 mg bw/day	n / / //kg / //kg / //kg / //kg	10 days (gestation, 6h/day) 10 days (gestation, 6h/day) ≤ 43 day(s) ≤ 43 day(s) Exposure tim 14 days (gestation, daily) 14 days (gestation, daily) 14 day(s)	Rat (Rat (Rat (Rat (Rat Rat Rat Rat Rat	female) female) ies	No e No e No e Effec No e Varia No e Clini mori weig cons	ffect ffect ffect ct ffect cal signs; tality; body wht; food sumption	Organ Skeletor General	determinati Experimenta Value Experimenta Value Value Read-across Read-across Read-across Read-across Read-across
c All High Tack Invi No (test)data on trimethoxyvinyls Developmen Maternal tox Effects on fee 3-(trimethoxysily Developmen Maternal tox Effects on fee Maternal tox Developmen Maternal tox	isible the mixture ilane tal toxicity dicity rtility tal toxicity tal toxicity	available Parameter NOAEL NOAEL NOAEL Parameter NOAEL LOAEL LOAEL LOAEL	EPA C 798.4 EPA C 798.4 OECD Meth EPA C 798.4 EPA C 798.4 CTPA C	0175 350 0175 350 0422 000 0175 9000 0175 017	100 pp 25 ppm 1000 m bw/day Value 100 mg bw/day 600 mg bw/day 600 mg bw/day	n / / //kg / //kg / //kg / //kg	10 days (gestation, 6h/day) 10 days (gestation, 6h/day) ≤ 43 day(s) ≤ 43 day(s) Exposure tim 14 days (gestation, daily) 14 days (gestation, daily) 14 day(s)	Rat (Rat (Rat (Rat (Rat Rat Rat Rat Rat	female) female) ies e/female)	No e No e No e Effect No e Mind varia No e Clini mort weig cons No e	ffect ffect ffect ct ffect cal signs; tality; body wht; food sumption	Organ Skeletor General	determinati Experimenta Value Experimenta Value Value Read-across Read-across Read-across Read-across Read-across

eaction mass of bis(1,2,2,6,6	Paramet			alue	Exposure time		Effect	Organ	Value
Developmental toxicity	_								determina Data waivi
Maternal toxicity	-								Data waivii Data waivii
· · · · ·	NOEL	OE	CD 415 ≥	300	55 day(s) - 106 day(s)	6 Rat (male/female)	No effect		Read-acros
Idgement is based on the re	le <mark>vant in</mark>	gredients			uay(s)	(male/remale)			
<u>nclusion</u> ot classified for reprotoxic c	or develo	pmental t	oxicity						
y other effects									
<u>l High Tack Invisible</u> o (test)data on the mixture	available								
c effects from short and lor	ig-term e	exposure							
<u>l High Tack Invisible</u> kin rash/inflammation.									
ION 12: Ecologi	cal in	forma	ation						
.1. Toxicity									
I High Tack Invisible									
(test)data on the mixture a	va <mark>ilable</mark>								
imethoxyvinylsilane	Par	ameter	Method	Value	Duration	Species	Test design	Fresh/salt	Value determi
	Pai	ametei	wethou		Duration	species	lest design	water	value determi
Acute toxicity fishes	LC5	0		191 mg/l	96 h	Oncorhynchus mykiss		Fresh water	Experimental Nominal concentration
Acute toxicity crustacea	EC5	60	EU Method C.2	168.7 mg/l	48 h	Daphnia magna	Static system	Fresh water	Experimental GLP
Toxicity algae and other aq plants	uatic EC5	50	EPA 67014- 73-0	210 mg/l	7 day(s)	Pseudokirchnerie lla subcapitata	Static system	Fresh water	Experimental Nominal concentration
Long-term toxicity fish									Data waiving
Long-term toxicity aquatic crustacea	NO	EC	OECD 211	28.1 mg/l	21 day(s)	Daphnia magna	Semi-static system	Fresh water	Experimental v GLP
(trimethoxysilyl)propylamir	ne					1		1	-
	Par	ameter	Method	Value	Duration	Species	Test design	Fresh/salt water	Value determ
Acute toxicity fishes	LC5	0	OECD 203	> 934 mg/l	96 h	Danio rerio	Semi-static system	Fresh water	Read-across; G
Acute toxicity crustacea	EC5	50	OECD 202	331 mg/l	48 h	Daphnia magna	Static system	Fresh water	Read-across; G
Toxicity algae and other aq plants			EU Method C.3	> 1000 mg/l		Desmodesmus subspicatus	Static system		Read-across; G
Toxicity aquatic micro- organisms	EC5		Other	43 mg/l	5.75 h	Pseudomonas putida	Static system	Fresh water	Read-across; G
action mass of bis(1,2,2,6,6		<u>ethyl-4-pi</u> ameter	peridyl) sebeca Method	te and methy Value		tamethyl-4-piperic Species	lyl) sebacate Test design	Fresh/salt	Value determi
		unicter	Method	Value	Duration	openes	rest design	water	Value determ
		0	OECD 203	0.9 mg/l	96 h	Danio rerio	Semi-static system	Fresh water	Experimental GLP
Acute toxicity fishes	LC5			1.68 mg/l	72 h	Desmodesmus	Static system	Fresh water	Experimental v GLP
Acute toxicity fishes Toxicity algae and other aq plants		50	OECD 201	0,		subspicatus			
Toxicity algae and other aq			OECD 201 OECD 201	0.22 mg/l	72 h	subspicatus Desmodesmus subspicatus	Static system	Fresh water	Experimental v Growth
Toxicity algae and other aq	uatic ErC				72 h	Desmodesmus	Static system	Fresh water	
Toxicity algae and other aq plants Long-term toxicity fish Long-term toxicity aquatic	uatic ErC	EC				Desmodesmus	Semi-static	Fresh water Fresh water	Growth Data waiving Experimental
Toxicity algae and other aq plants Long-term toxicity fish	uatic ErC	EC	OECD 201	0.22 mg/l	21 day(s)	Desmodesmus subspicatus Daphnia magna		Fresh water	Growth Data waiving

Reason for revision: 2

Publication date: 2014-04-18 Date of revision: 2017-05-19

Revision number: 0300

imethoxyvinylsilane Biodegradation water Method OECD 301F: Manometi Phototransformation air				
Method OECD 301F: Manometr				
OECD 301F: Manometr		Value	Duration	Value determination
	ric Posniromotry Tost		28 day(s)	Experimental value
i nototi unsionnution un		51 %, GLP	28 049(5)	
Method		Value	Conc. OH-radicals	Value determination
		0.56 day(s)	500000 /cm ³	Calculated value
Half-life water (t1/2 wat	ter)			
Method		Value	Primary degradation/mineralisat	Value determination
OECD 111: Hydrolysis a		< 2.4 h; pH = 7	Primary degradation	Weight of evidence
(trimethoxysilyl)propylar	<u>mine</u>			
Biodegradation water				
Method	_	Value	Duration	Value determination
EU Method C.4 Half-life water (t1/2 wat	tor	67 %; GLP	28 day(s)	Experimental value
Method	ler)	Value	Drimony	Value determination
Method		value	Primary degradation/mineralisat	
		4 h; pH = 7	Primary degradation	QSAR
action mass of bis(1,2.2.	6,6-pentamethyl-4-pi		ethyl (1,2,2,6,6-pentamethyl-4-piperid	
Biodegradation water				
Method		Value	Duration	Value determination
OECD 301E: Modified (OECD Screening Test	38 %	28 day(s)	Experimental value
Biodegradation soil				
Method		Value	Duration	Value determination
				Data waiving
Half-life water (t1/2 wat	ter)			
Method		Value	Primary degradation/mineralisat	Value determination
OECD 111: Hydrolysis a	as a function of pH	100.3 h - 2568 h; GLP	Primary degradation	Experimental value
Kow				
ethod	Remark	Value	Temperature	Value determination
	Not applicable (m	lixture)	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
methoxyvinylsilane				
Log Kow Method	Remark	Value	Temperature	Value determination
Log Kow Method KOWWIN	Calculated		Temperature 20 °C	Value determination QSAR
Log Kow Method KOWWIN (trimethoxysilyl)propylar	Calculated	Value		
Log Kow Method KOWWIN (trimethoxysilyl)propylar	Calculated	Value	20 °C	QSAR
og Kow Method KOWWIN (trimethoxysilyl)propylar og Kow	Calculated	Value -2		
og Kow Method KOWWIN (trimethoxysilyl)propylar og Kow Method	Calculated mine Remark	Value -2 Value 0.2	20 °C	QSAR Value determination QSAR
og Kow Method KOWWIN (trimethoxysilyl)propylar og Kow Method action mass of bis(1,2,2,1)	Calculated mine Remark	Value -2 Value 0.2	20 °C Temperature 20 °C	QSAR Value determination QSAR
og Kow Method KOWWIN (trimethoxysilyl)propylar og Kow Method action mass of bis(1,2,2, 3CF fishes	Calculated mine Remark	Value -2 Value 0.2 Deridyl) sebecate and mo	20 °C Temperature 20 °C ethyl (1,2,2,6,6-pentamethyl-4-piperid	QSAR Value determination QSAR
og Kow Method KOWWIN (trimethoxysilyl)propylar og Kow Method action mass of bis(1,2,2,1 3CF fishes Parameter Me	Calculated mine Remark 6,6-pentamethyl-4-pip	Value -2 Value 0.2 Deridyl) sebecate and mo	20 °C Temperature 20 °C ethyl (1,2,2,6,6-pentamethyl-4-piperid on Species	QSAR Value determination QSAR yl) sebacate
Log Kow Method KOWWIN (trimethoxysilyl)propylar Log Kow Method action mass of bis(1,2,2,1) BCF fishes Parameter BCF Otl	Calculated mine Remark 6,6-pentamethyl-4-pip ethod Valu her < 31.	Value -2 Value 0.2 peridyl) sebecate and mo e Duratio	20 °C Temperature 20 °C ethyl (1,2,2,6,6-pentamethyl-4-piperid on Species x(s) Cyprinus carpio	QSAR Value determination QSAR yl) sebacate Value determination Experimental value
Log Kow Method KOWWIN (trimethoxysilyl)propylar Log Kow Method action mass of bis(1,2,2,1) BCF fishes Parameter BCF Otl	Calculated mine Remark 6,6-pentamethyl-4-pip	Value -2 Value 0.2 Deridyl) sebecate and mo e Duratio 4; GLP 8 week	20 °C Temperature 20 °C ethyl (1,2,2,6,6-pentamethyl-4-piperid on Species x(s) Cyprinus carpio Temperature	QSAR Value determination QSAR yl) sebacate Value determination
Log Kow Method KOWWIN (trimethoxysilyl)propylar Log Kow Method action mass of bis(1,2,2, BCF fishes Parameter BCF Otil Log Kow	Calculated mine Remark 6,6-pentamethyl-4-pip ethod Valu her < 31.	Value -2 Value 0.2 Deridyl) sebecate and me e Duratio 4; GLP 8 week	20 °C Temperature 20 °C ethyl (1,2,2,6,6-pentamethyl-4-piperid on Species x(s) Cyprinus carpio Temperature	QSAR Value determination QSAR yl) sebacate Value determination Experimental value
og Kow Method KOWWIN (trimethoxysilyl)propylar og Kow Method action mass of bis(1,2,2,4) 3CF fishes Parameter BCF Otl og Kow Method OECD 107 clusion	Calculated mine Remark 6,6-pentamethyl-4-pip ethod Valu her < 31. Remark	Value -2 Value 0.2 Deridyl) sebecate and me e Duratio 4; GLP 8 week Value 2.37 - 2	20 °C Temperature 20 °C ethyl (1,2,2,6,6-pentamethyl-4-piperid on Species c(s) Cyprinus carpio Temperature 2.77 25 °C	QSAR Value determination QSAR vl) sebacate Value determination Experimental value Value determination
og Kow Method KOWWIN (trimethoxysilyl)propylar og Kow Method action mass of bis(1,2,2,4) 3CF fishes Parameter BCF Otl og Kow Method OECD 107 clusion	Calculated mine Remark 6,6-pentamethyl-4-pip ethod Valu her < 31. Remark	Value -2 Value 0.2 Deridyl) sebecate and me e Duratio 4; GLP 8 week Value 2.37 - 2	20 °C Temperature 20 °C ethyl (1,2,2,6,6-pentamethyl-4-piperid on Species c(s) Cyprinus carpio Temperature 2.77 25 °C	QSAR Value determination QSAR vl) sebacate Value determination Experimental value Value determination
Log Kow Method KOWWIN (trimethoxysilyl)propylar Log Kow Method action mass of bis(1,2,2,1) BCF fishes Parameter BCF Othout Log Kow Method OECD 107 clusion o straightforward conclust	Calculated mine Remark 6,6-pentamethyl-4-pip ethod Valu her < 31. Remark	Value -2 Value 0.2 Deridyl) sebecate and me e Duratio 4; GLP 8 week Value 2.37 - 2	20 °C Temperature 20 °C ethyl (1,2,2,6,6-pentamethyl-4-piperid on Species c(s) Cyprinus carpio Temperature 2.77 25 °C	QSAR Value determination QSAR vl) sebacate Value determination Experimental value Value determination
Log Kow Method KOWWIN (trimethoxysilyl)propylar Log Kow Method action mass of bis(1,2,2, BCF fishes Parameter BCF Otil Log Kow Method OECD 107 iclusion o straightforward conclust	Calculated mine Remark 6,6-pentamethyl-4-pip ethod Valu her < 31. Remark	Value -2 Value 0.2 Deridyl) sebecate and me e Duratio 4; GLP 8 week Value 2.37 - 2	20 °C Temperature 20 °C ethyl (1,2,2,6,6-pentamethyl-4-piperid on Species c(s) Cyprinus carpio Temperature 2.77 25 °C	QSAR Value determination QSAR vl) sebacate Value determination Experimental value Value determination
Log Kow Method KOWWIN (trimethoxysilyl)propylar Log Kow Method action mass of bis(1,2,2, BCF fishes Parameter BCF Otil Log Kow Method OECD 107 iclusion o straightforward conclust	Calculated mine Remark 6,6-pentamethyl-4-pip ethod Valu her < 31. Remark	Value -2 Value 0.2 Deridyl) sebecate and me e Duratio 4; GLP 8 week Value 2.37 - 2	20 °C Temperature 20 °C ethyl (1,2,2,6,6-pentamethyl-4-piperid on Species c(s) Cyprinus carpio Temperature 2.77 25 °C	QSAR Value determination QSAR vl) sebacate Value determination Experimental value Value determination
Log Kow Method KOWWIN (trimethoxysilyl)propylar Log Kow Method action mass of bis(1,2,2, BCF fishes Parameter BCF Otil Log Kow Method OECD 107 iclusion o straightforward conclust	Calculated mine Remark 6,6-pentamethyl-4-pip ethod Valu her < 31. Remark	Value -2 Value 0.2 Deridyl) sebecate and me e Duratio 4; GLP 8 week Value 2.37 - 2	20 °C Temperature 20 °C ethyl (1,2,2,6,6-pentamethyl-4-piperid on Species c(s) Cyprinus carpio Temperature 2.77 25 °C	QSAR Value determination QSAR vl) sebacate Value determination Experimental value Value determination
KOWWIN (trimethoxysilyl)propylar Log Kow Method action mass of bis(1,2,2, BCF fishes Parameter BCF Oti Log Kow Method	Calculated mine Remark 6,6-pentamethyl-4-pip ethod Valu her < 31. Remark	Value -2 Value 0.2 Deridyl) sebecate and me e Duratio 4; GLP 8 week Value 2.37 - 2	20 °C Temperature 20 °C ethyl (1,2,2,6,6-pentamethyl-4-piperid on Species c(s) Cyprinus carpio Temperature 2.77 25 °C	QSAR Value determination QSAR vl) sebacate Value determination Experimental value Value determination
Log Kow Method KOWWIN (trimethoxysilyl)propylar Log Kow Method action mass of bis(1,2,2, BCF fishes Parameter BCF Otil Log Kow Method OECD 107 iclusion o straightforward conclust	Calculated mine Remark 6,6-pentamethyl-4-pip ethod Valu her < 31. Remark	Value -2 Value 0.2 Deridyl) sebecate and me e Duratio 4; GLP 8 week Value 2.37 - 2	20 °C Temperature 20 °C ethyl (1,2,2,6,6-pentamethyl-4-piperid on Species c(s) Cyprinus carpio Temperature 2.77 25 °C	QSAR Value determination QSAR vl) sebacate Value determination Experimental value Value determination
Log Kow Method KOWWIN (trimethoxysilyl)propylar Log Kow Method action mass of bis(1,2,2, BCF fishes Parameter BCF Otil Log Kow Method OECD 107 iclusion o straightforward conclust	Calculated mine Remark 6,6-pentamethyl-4-pip ethod Valu her < 31. Remark	Value -2 Value 0.2 Deridyl) sebecate and me e Duratio 4; GLP 8 week Value 2.37 - 2	20 °C Temperature 20 °C ethyl (1,2,2,6,6-pentamethyl-4-piperid on Species c(s) Cyprinus carpio Temperature 2.77 25 °C	QSAR Value determination QSAR vl) sebacate Value determination Experimental value Value determination
Log Kow Method KOWWIN (trimethoxysilyl)propylar Log Kow Method action mass of bis(1,2,2,1) BCF fishes Parameter BCF Othout Log Kow Method OECD 107 clusion o straightforward conclust	Calculated mine Remark 6,6-pentamethyl-4-pip ethod Valu her < 31. Remark	Value -2 Value 0.2 Deridyl) sebecate and me e Duratio 4; GLP 8 week Value 2.37 - 2	20 °C Temperature 20 °C ethyl (1,2,2,6,6-pentamethyl-4-piperid on Species c(s) Cyprinus carpio Temperature 2.77 25 °C	QSAR Value determination QSAR vl) sebacate Value determination Experimental value Value determination
Log Kow Method KOWWIN (trimethoxysilyl)propylar Log Kow Method action mass of bis(1,2,2,1) BCF fishes Parameter BCF Othout Log Kow Method OECD 107 clusion o straightforward conclust	Calculated mine Remark 6,6-pentamethyl-4-pip ethod Valu her < 31. Remark	Value -2 Value 0.2 Deridyl) sebecate and me e Duratio 4; GLP 8 week Value 2.37 - 2	20 °C Temperature 20 °C ethyl (1,2,2,6,6-pentamethyl-4-piperid on Species c(s) Cyprinus carpio Temperature 2.77 25 °C umerical values	QSAR Value determination QSAR vl) sebacate Value determination Experimental value Value determination

trimethoxyvinylsilane						
(log) Koc						
Parameter			Method		Value	Value determination
						Data waiving
Volatility (Henry's Law cons	tant H)					
Value	Method	Tem	perature	Remark		Value determination
8.72E-5 atm m ³ /mol		25 °C				Estimated value
reaction mass of bis(1,2,2,6,6-	pentamethyl-4-piperidyl) sebec	ate and	d methyl (1,2,2,6,6-penta	methyl-4-p	iperidyl) sebacate	
(log) Koc						
Parameter			Method		Value	Value determination
log Koc			SRC PCKOCWIN v2.0		5.31	Calculated value
Conclusion						

Contains component(s) that adsorb(s) into the soil

12.5. Results of PBT and vPvB assessment

Due to insufficient data no statement can be made whether the component(s) fulfil(s) the criteria of PBT and vPvB according to Annex XIII of Regulation (EC) No 1907/2006.

12.6. Other adverse effects

Fix All High Tack Invisible

Fluorinated greenhouse gases (Regulation (EU) No 517/2014)

None of the known components is included in the list of fluorinated greenhouse gases (Regulation (EU) No 517/2014)

Ozone-depleting potential (ODP)

Not classified as dangerous for the ozone layer (Regulation (EC) No 1005/2009)

3-(trimethoxysilyl)propylamine

Ground water

Ground water pollutant

reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebecate and methyl (1,2,2,6,6-pentamethyl-4-piperidyl) sebacate

Ground water

Ground water pollutant

SECTION 13: Disposal considerations

The information in this section is a general description. If applicable and available, exposure scenarios are attached in annex. Always use the relevant exposure scenarios that correspond to your identified use.

13.1. Waste treatment methods

13.1.1 Provisions relating to waste

European Union

Hazardous waste according to Directive 2008/98/EC, as amended by Regulation (EU) No 1357/2014.

Waste material code (Directive 2008/98/EC, Decision 2000/0532/EC).

08 04 09* (wastes from MFSU of adhesives and sealants (including waterproofing products): waste adhesives and sealants containing organic solvents or other hazardous substances). Depending on branch of industry and production process, also other waste codes may be applicable.

13.1.2 Disposal methods

Recycle/reuse. Remove to an authorized incinerator equipped with an afterburner and a flue gas scrubber with energy recovery. Remove waste in accordance with local and/or national regulations. Hazardous waste shall not be mixed together with other waste. Different types of hazardous waste shall not be mixed together if this may entail a risk of pollution or create problems for the further management of the waste. Hazardous waste shall be managed responsibly. All entities that store, transport or handle hazardous waste shall take the necessary measures to prevent risks of pollution or damage to people or animals. Do not discharge into drains or the environment.

13.1.3 Packaging/Container

European Union

Waste material code packaging (Directive 2008/98/EC).

15 01 10* (packaging containing residues of or contaminated by dangerous substances).

SECTION 14: Transport information

Road (ADR), Rail (RID), Inland waterways (ADN), Sea (IMDG/IMSBC), Air (ICAO-TI/IATA-DGR)

14.1. UN number	historia de la companya de la company	
Transport	Not subject	
14.2. UN proper shipping name		
14.3. Transport hazard class(es)		
Hazard identification number		
Class		
Classification code		
14.4. Packing group		
Packing group		
Labels		
14.5. Environmental hazards		
on for revision: 2	Publication date: 2014-04-18	
	Date of revision: 2017-05-19	

		J
Environmentally hazardo	us substance mark	no
14.6. Special precautions for	user	
Special provisions		
Limited quantities		
	ding to Annex II of Marpol and the IBC	C Code
Annex II of MARPOL 73/7	8	
ECTION 15: Regulato	ry information	
		sistenian an aifis fan tha an hatanaa an naintena
15.1. Safety, nealth and e	invironmental regulations/leg	gislation specific for the substance or mixture
European legislation:		
VOC content Directive 2010	0/75/EU	
VOC content		Remark
4.6 %		Including the second se
49.6 g/l		
REACH Annex XVII - Restr		
		II of Regulation (EC) No 1907/2006: restrictions on the manufacture, placing on the market
and use of certain dar	ngerous substances, mixtures and artic	
	Designation of the substance, of the substances or of the mixture	he group of Conditions of restriction
· trimethoxyvinylsilane	Liquid substances or mixtures which	ich are 1. Shall not be used in:
· 3-(trimethoxysilyl)propylamine	regarded as dangerous in accordan	
 reaction mass of bis(1,2,2,6,6-penta 4-piperidyl) sebecate and methyl (1,2 		
pentamethyl-4-piperidyl) sebacate	2,2,6,6- criteria for any of the following haza or categories set out in Annex I to R	
	(EC) No 1272/2008:	ornamental aspects, 2. Articles not complying with paragraph 1 shall not be placed on the
	(a) hazard classes 2.1 to 2.4, 2.6 and types A and B 2.9, 2.10, 2.12, 2.13	nd 2.7, 2.8 market.3. Shall not be placed on the market if they contain a colouring agent, unless 3 categories 1 required for fiscal reasons, or perfume, or both, if they:
	and 2, 2.14 categories 1 and 2, 2.15	
	F;	 present an aspiration hazard and are labelled with R65 or H304,4. Decorative oil lamps
	(b) hazard classes 3.1 to 3.6, 3.7 adv effects on sexual function and fertil	
	development, 3.8 effects other than	an narcotic Committee for Standardisation (CEN).5. Without prejudice to the implementation of other
	effects, 3.9 and 3.10;	Community provisions relating to the classification, packaging and labelling of dangerous
	(c) hazard class 4.1; (d) hazard class 5.1.	substances and mixtures, suppliers shall ensure, before the placing on the market, that the following requirements are met:
	.,	a) lamp oils, labelled with R65 or H304, intended for supply to the general public are visibly,
		legibly and indelibly marked as follows: "Keep lamps filled with this liquid out of the reach of childran", and by 1 December 2010. "I urt a in of lamp ail, or even sucking the wick of
		children"; and, by 1 December 2010, "Just a sip of lamp oil — or even sucking the wick of lamps — may lead to life- threatening lung damage";
		b) grill lighter fluids, labelled with R65 or H304, intended for supply to the general public are
		legibly and indelibly marked by 1 December 2010 as follows: "Just a sip of grill lighter may
		lead to life threatening lung damage"; c) lamp oils and grill lighters, labelled with R65 or H304, intended for supply to the general
		public are packaged in black opaque containers not exceeding 1 litre by 1 December 2010.6.
		No later than 1 June 2014, the Commission shall request the European Chemicals Agency to prepare a dossier, in accordance with Article 69 of the present Regulation with a view to
		ban, if appropriate, grill lighter fluids and fuel for decorative lamps, labelled R65 or H304,
		intended for supply to the general public.7. Natural or legal persons placing on the market
		for the first time lamp oils and grill lighter fluids, labelled with R65 or H304, shall by 1 December 2011, and annually thereafter, provide data on alternatives to lamp oils and grill
		lighter fluids labelled R65 or H304 to the competent authority in the Member State
		concerned. Member States shall make those data available to the Commission.'
trimothouse in deilong	Cubstances classified as flammable	a great 1. Chall not he used as substance as as mixtures in pareneal dispensary where these pareneal
 trimethoxyvinylsilane 	Substances classified as flammable category 1 or 2, flammable liquids c	
	1, 2 or 3, flammable solids category	ry 1 or 2, purposes such as the following:
	substances and mixtures which, in o	5
	with water, emit flammable gases, o 2 or 3, pyrophoric liquids category 1	
	pyrophoric solids category 1, regard	rdless of silly string aerosols,
	whether they appear in Part 3 of Ar that Regulation or not.	Annex VI to — imitation excrement, — horns for parties,
	that Regulation of hot.	 decorative flakes and foams,
		— artificial cobwebs,
		 stink bombs.2. Without prejudice to the application of other Community provisions on the classification, packaging and labelling of substances, suppliers shall ensure before the
		placing on the market that the packaging of aerosol dispensers referred to above is marked
		visibly, legibly and indelibly with:
		"For professional users only".3. By way of derogation, paragraphs 1 and 2 shall not apply to the aerosol dispensers referred to Article 8 (1a) of Council Directive 75/ 324/EEC.4. The
		aerosol dispensers referred to in paragraphs 1 and 2 shall not be placed on the market
		unless they conform to the requirements indicated.
National legislation Belgium		
Fix All High Tack Invisible		
No data available		
Reason for revision: 2		Publication date: 2014-04-18
		Date of revision: 2017-05-19

Revision number: 0300

	Fix All High Tack Invisible	
National logislation Th		
National legislation Th		
Fix All High Tack Inv		
Waste identificat Netherlands)	ion (the LWCA (the Netherlands): KGA category 05	
Waterbezwaarlijk	kheid A (3)	
waterbezwaariijr		
National legislation Fra	ance	
Fix All High Tack Inv		
No data available		
National legislation Ge	armany	
Fix All High Tack Inv		
WGK	1; Classification water polluting based on the components in compliance with Verwaltungsvorschrift wasserge	fährdon
WGK	Stoffe (VwVwS) of 27 July 2005 (Anhang 4)	lannuen
trimethoxyvinylsila		
TA-Luft	5.2.5	
<u>3-(trimethoxysilyl)</u>		
TA-Luft	5.2.5	
	s(1,2,2,6,6-pentamethyl-4-piperidyl) sebecate and methyl (1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	
TA-Luft	5.2.5	
National legislation Ur		
Fix All High Tack Inv		
No data available		
Other relevant data		
Fix All High Tack Inv	visible	
No data available		
15.2. Chemical safet		
No chemical safety	rasses <mark>sment has been conducted for the mixt</mark> ure.	
<u>3-(trimethoxysilyl)</u>	propylamine	
A chemical safety a	issessm <mark>ent has been performed.</mark>	
reaction mass of bi	s(1,2,2,6,6-pentamethyl-4-piperidyl) sebecate and methyl (1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	
A chemical safety a	issessment has been performed.	
CTION 16: Othe	er information	
	er information ements referred to under headings 2 and 3:	
	ement <mark>s referred to under headings 2 and 3:</mark>	
Full text of any H-state H226 Flammable I H315 Causes skin	ements referred to under headings 2 and 3: liquid and vapour. irritation.	
Full text of any H-state H226 Flammable I H315 Causes skin H317 May cause a	ement <mark>s referred to under headings 2 and 3:</mark> liquid and vapour. irritation. an allergi <mark>c skin reaction.</mark>	
Full text of any H-state H226 Flammable I H315 Causes skin H317 May cause a H318 Causes serio	ements referred to under headings 2 and 3: liquid and vapour. irritation. an allergic skin reaction. bus eye damage.	
Full text of any H-state H226 Flammable I H315 Causes skin H317 May cause a H318 Causes serio H332 Harmful if in	ements referred to under headings 2 and 3: liquid and vapour. irritation. an allergic skin reaction. bus eye damage. nhaled.	
Full text of any H-state H226 Flammable I H315 Causes skin H317 May cause a H318 Causes serio H332 Harmful if in H373 May cause c	ements referred to under headings 2 and 3: liquid and vapour. irritation. an allergic skin reaction. bus eye damage. shaled. damage to organs through prolonged or repeated exposure if swallowed.	
Full text of any H-state H226 Flammable I H315 Causes skin H317 May cause a H318 Causes serio H332 Harmful if in H373 May cause o H400 Very toxic to	ements referred to under headings 2 and 3: liquid and vapour. irritation. an allergic skin reaction. bus eye damage. ahaled. damage to organs through prolonged or repeated exposure if swallowed. b aquatic life.	
Full text of any H-state H226 Flammable I H315 Causes skin H317 May cause a H318 Causes serio H332 Harmful if in H373 May cause o H400 Very toxic to H410 Very toxic to	ements referred to under headings 2 and 3: liquid and vapour. irritation. an allergic skin reaction. bus eye damage. ahaled. damage to organs through prolonged or repeated exposure if swallowed. b aquatic life. b aquatic life.	
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Full text of any H-state H226 Flammable I H315 Causes skin H317 May cause a H318 Causes serio H322 Harmful if in H373 May cause o H400 Very toxic to H410 Very toxic to H410 Very toxic to H412 Harmful to a (*) CLP (EU-GHS) DMEL DNEL EC50	ements referred to under headings 2 and 3: liquid and vapour. irritation. an allergic skin reaction. bus eye damage. haled. damage to organs through prolonged or repeated exposure if swallowed. to aquatic life. to aquatic life with long lasting effects. aquatic life with long lasting effects. aquatic life with long lasting effects. aquatic life with long lasting effects. INTERNAL CLASSIFICATION BY BIG Classification, labelling and packaging (Globally Harmonised System in Europe) Derived Minimal Effect Level Derived No Effect Level Effect Concentration 50 %	
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