

## SAFETY DATA SHEET

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

## 4Trade Instant Grab Adhesive White

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

1.1. Product identifier

Product name : 4Trade Instant Grab Adhesive White

Registration number REACH : Not applicable (mixture)

Product type REACH : 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 **3** +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 **3** +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

Not classified as dangerous according to the criteria of Regulation (EC) No 1272/2008

Harmful to aquatic life with long lasting effects.

Class	Category	Hazard statements
Aguatic Chronic	category 3	H412: Harmful to aquatic life with long lasting effects.

#### 2.2. Label elements

Hazard pictograms

No pictogram is used

Signal word No signal word

H-statements

H412

P-statements

P273 Avoid release to the environment.

P501 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

Created by: Brandweerinformatiecentrum voor gevaarlijke stoffen vzw (BIG)

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http://www.big.be

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Date of revision: 2016-04-12

Product number: 56086

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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	1% <c<5%< td=""><td>Flam. Liq. 3; H226 Acute Tox. 4; H332</td><td>(1)(10)</td><td>Constituent</td></c<5%<>	Flam. Liq. 3; H226 Acute Tox. 4; H332	(1)(10)	Constituent
bis(1,2,2,6,6-pentamethyl-4-pip dimethylethyl)-4- hydroxyphenyl]methyl]butylma 01-2119978231-37	, , , , , , , , , , , , , , , , , , , ,	63843-89-0 264-513-3	0.1%C<1%	STOT RE 1; H372 Acute Tox. 4; H302 Aquatic Chronic 1; H410	(1)	Constituent
dioctylbis(pentane-2,4-dionato- 01-0000020199-67		54068-28-9 483-270-6	0.1% <c<1%< td=""><td>STOT SE 2; H371 STOT RE 2; H373 Skin Sens. 1; H317</td><td>(1)(8)(10)</td><td>Constituent</td></c<1%<>	STOT SE 2; H371 STOT RE 2; H373 Skin Sens. 1; H317	(1)(8)(10)	Constituent
distillates (petroleum), hydrotre	• .	64742-55-8 265-158-7	1% <c<10%< td=""><td>Asp. Tox. 1; H304</td><td>(1)(2)</td><td>UVCB</td></c<10%<>	Asp. Tox. 1; H304	(1)(2)	UVCB
pyrithione zinc 01-2119511196-46		13463-41-7 236-671-3	%	Acute Tox. 3; H301 Acute Tox. 4; H332 Eye Dam. 1; H318 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	(1)(9)	Constituent

- (1) For H-statements in full: see heading 16
- (2) Substance with a Community workplace exposure limit
- (8) Specific concentration limits, see heading 16
- (9) M-factor, 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:

Rinse with water. Soap may be used. Take victim to a doctor if irritation persists.

After eye contact:

Rinse with water. 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, hydrogen chloride.

#### 5.3. Advice for firefighters

5.3.1 Instructions:

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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. 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. 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 normal hygiene standards. 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.

#### Belgium

Etain (composés organiques de) (en Sn)	Time-weighted average exposure limit 8 h	0.1 mg/m³
	Short time value	0.2 mg/m³
Huiles minérales (brouillards)	Time-weighted average exposure limit 8 h	5 mg/m³
	Short time value	10 mg/m³
The Netherlands		

#### The Netherlands

Olienevel (minerale olie)	Time-weighted average exposure limit 8 h (Public occupational exposure limit value)	5 mg/m³
Tinverbindingen (organisch)(als Sn)	Time-weighted average exposure limit 8 h (Private occupational exposure limit value)	0.1 mg/m³
	Short time value (Private occupational exposure limit value)	0.2 mg/m <sup>3</sup>

#### France

Etain (composés organiques d'), en Sn	Time-weighted average exposure limit 8 h (VL: Valeur non	0.1 mg/m³
	réglementaire indicative)	

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Etain (composés organiq <mark>ues d'),</mark>	511 311	Hort time value (VL. Vi	aleur non réglementaire indicati	ive) 0.2 mg/r
UK				
Tin compounds, organic, except	Cybeyatin (ISO) (as Sn)	ime-weighted average	e exposure limit 8 h (Workplace	exposure limit 0.1 mg/r
Till compounds, organic, except		EH40/2005))	e exposure illinit o ii (Workplace	exposure iiiiii 0.1 mg/i
	La contraction of the contractio		place exposure limit (EH40/200	(5)) 0.2 mg/r
		Hore time value (vvoik	place exposure liffit (E1140) 200	0.2 1116/1
USA (TLV-ACGIH)				
Tin organic compounds, as Sn	T	ime-weighted average	e exposure limit 8 h (TLV - Adopt	ted Value) 0.1 mg/r
		hort time value (TLV -		0.2 mg/r
b) National biological limit value	s		,	
	available these will be listed bel	OW		
2 Sampling methods	available these will be listed be.	· · ·		
If applicable and available it will	he listed helow			
Oil Mist (Mineral)	be listed below.	NIOSH	5026	
	using the substance or mixture a		5020	
If limit values are applicable and	available these will be listed bel	OW.		
4 DNEL/PNEC values	available these will be listed be.	· · ·		
DNEL/DMEL - Workers				
trimethoxyvinylsilane	Time		Malina	Damaadi
Effect level (DNEL/DMEL)	Type	inhalati	Value	Remark
DNEL	Long-term systemic effects		4.9 mg/m³	
1.4.2.2.6.6	Long-term systemic effects		0.69 mg/kg bw/day	
bis(1,2,2,6,6-pentamethyl-4-pipe	eridyl) [[3,5-bis(1,1-dimethylethy	<u>/I)-4-hydroxyphenyl]m</u>		D
Effect level (DNEL/DMEL)	Туре		Value	Remark
DNEL	Long-term systemic effects		0.05 mg/m³	
	Long-term systemic effects	s dermal	0.07 mg/kg bw/day	
dioctylbis(pentane-2,4-dionato-			hrata	ln '
Effect level (DNEL/DMEL)	Туре		Value	Remark
DNEL	Long-term systemic effects		84 mg/m³	
	Acute systemic effects inha		84 mg/m³ 0.091 mg/m³	
		Long-term local effects inhalation		
	Long-term systemic effects	s dermal	0.07 mg/kg bw/day	
			<u> </u>	
pyrithione zinc				
pyrithione zinc Effect level (DNEL/DMEL)	Туре		Value	Remark
Effect level (DNEL/DMEL)  DNEL	Long-term systemic effects	s dermal		Remark
Effect level (DNEL/DMEL)	Long-term systemic effects	s dermal	Value	Remark
Effect level (DNEL/DMEL) DNEL DNEL/DMEL - General population	Long-term systemic effects	s dermal	Value	Remark
Effect level (DNEL/DMEL) DNEL DNEL/DMEL - General population	Long-term systemic effects	s dermal	Value	Remark Remark
Effect level (DNEL/DMEL) DNEL DNEL/DMEL - General population	Long-term systemic effects		Value 0.01 mg/kg bw/day  Value 1.04 mg/m³	
Effect level (DNEL/DMEL) DNEL DNEL/DMEL - General population trimethoxyvinylsilane Effect level (DNEL/DMEL)	Long-term systemic effects on Type	s inhalation	Value 0.01 mg/kg bw/day Value	
Effect level (DNEL/DMEL) DNEL DNEL/DMEL - General population trimethoxyvinylsilane Effect level (DNEL/DMEL)	Long-term systemic effects  Type  Long-term systemic effects	s inhalation alation	Value 0.01 mg/kg bw/day  Value 1.04 mg/m³	
Effect level (DNEL/DMEL) DNEL DNEL/DMEL - General population trimethoxyvinylsilane Effect level (DNEL/DMEL)	Long-term systemic effects  Type  Long-term systemic effects  Acute systemic effects inha	s inhalation alation mal	Value 0.01 mg/kg bw/day  Value 1.04 mg/m³ 93.4 mg/m³ day	
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Effect level (DNEL/DMEL) DNEL DNEL-OMEL - General population of the population of th	Long-term systemic effects  Type  Long-term systemic effects Acute systemic effects inha Acute systemic effects der Acute systemic effects der	s inhalation alation mal mal s oral	Value 0.01 mg/kg bw/day  Value 1.04 mg/m³ 93.4 mg/m³ day 0.3 mg/kg bw/day 26.9 mg/kg bw/day 0.3 mg/kg bw/day	
Effect level (DNEL/DMEL) DNEL DNEL-DMEL - General population trimethoxyvinylsilane Effect level (DNEL/DMEL) DNEL  bis(1,2,2,6,6-pentamethyl-4-pipulation trimethoxyvinylsilane Effect level (DNEL/DMEL)	Type Long-term systemic effects Acute systemic effects der Acute systemic effects der Acute systemic effects der Long-term systemic effects der Long-term systemic effects der Long-term systemic effects	s inhalation alation mal mal s oral /l)-4-hydroxyphenyl]m	Value 0.01 mg/kg bw/day  Value 1.04 mg/m³ 93.4 mg/m³ day 0.3 mg/kg bw/day 26.9 mg/kg bw/day 0.3 mg/kg bw/day bu/day value  Value	Remark
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Effect level (DNEL/DMEL) DNEL  DNEL-DNEL-General population trimethoxyvinylsilane  Effect level (DNEL/DMEL) DNEL  bis(1,2,2,6,6-pentamethyl-4-pipulation trimethoxyvinylsilane)  Effect level (DNEL/DMEL)  DNEL	Long-term systemic effects  Type  Long-term systemic effects Acute systemic effects inha Acute systemic effects der Acute systemic effects der Long-term systemic effects eridyl) [[3,5-bis(1,1-dimethylethy Type Long-term systemic effects	s inhalation alation mal mal s oral /I)-4-hydroxyphenyl]m s inhalation s dermal	Value 0.01 mg/kg bw/day  Value 1.04 mg/m³ 93.4 mg/m³ day 0.3 mg/kg bw/day 26.9 mg/kg bw/day 0.3 mg/kg bw/day  Value  Value 0.01 mg/m³	Remark
Effect level (DNEL/DMEL) DNEL  DNEL-DMEL - General population of the population of t	Long-term systemic effects  Type  Long-term systemic effects Acute systemic effects inha Acute systemic effects der Acute systemic effects der Long-term systemic effects eridyl) [[3,5-bis(1,1-dimethylethy Type  Long-term systemic effects Long-term systemic effects	s inhalation alation mal mal s oral /I)-4-hydroxyphenyl]m s inhalation s dermal	Value 0.01 mg/kg bw/day  Value 1.04 mg/m³ 93.4 mg/m³ day 0.3 mg/kg bw/day 26.9 mg/kg bw/day 0.3 mg/kg bw/day  value 0.01 mg/m³ 33 µg/kg bw/day	Remark
Effect level (DNEL/DMEL) DNEL DNEL-DMEL - General population trimethoxyvinylsilane Effect level (DNEL/DMEL) DNEL  bis(1,2,2,6,6-pentamethyl-4-pipulation trimethoxyvinylsilane) Effect level (DNEL/DMEL) DNEL  PNEC trimethoxyvinylsilane	Long-term systemic effects  Type  Long-term systemic effects Acute systemic effects inha Acute systemic effects der Acute systemic effects der Long-term systemic effects eridyl) [[3,5-bis(1,1-dimethylethy Type  Long-term systemic effects Long-term systemic effects Long-term systemic effects Long-term systemic effects	s inhalation alation mal mal s oral /I)-4-hydroxyphenyl]m s inhalation s dermal	Value 0.01 mg/kg bw/day  Value 1.04 mg/m³ 93.4 mg/m³ day 0.3 mg/kg bw/day 26.9 mg/kg bw/day 0.3 mg/kg bw/day  value 0.01 mg/m³ 33 µg/kg bw/day 3 µg/kg bw/day	Remark
Effect level (DNEL/DMEL) DNEL  DNEL-DMEL - General population trimethoxyvinylsilane  Effect level (DNEL/DMEL) DNEL  bis(1,2,2,6,6-pentamethyl-4-pipulation trimethoxyvinylsilane)  Effect level (DNEL/DMEL) DNEL  PNEC trimethoxyvinylsilane  Compartments	Long-term systemic effects  Type  Long-term systemic effects Acute systemic effects der Acute systemic effects der Long-term systemic effects der Long-term systemic effects  eridyl) [[3,5-bis(1,1-dimethylethy Type  Long-term systemic effects Long-term systemic effects Long-term systemic effects  Long-term systemic effects	s inhalation alation mal mal s oral /I)-4-hydroxyphenyl]m s inhalation s dermal	Value 0.01 mg/kg bw/day  Value 1.04 mg/m³ 93.4 mg/m³ day 0.3 mg/kg bw/day 26.9 mg/kg bw/day 0.3 mg/kg bw/day  value 0.01 mg/m³ 33 µg/kg bw/day	Remark
Effect level (DNEL/DMEL) DNEL  DNEL-DMEL - General population trimethoxyvinylsilane  Effect level (DNEL/DMEL) DNEL  bis(1,2,2,6,6-pentamethyl-4-pipulation trimethoxyvinylsilane)  Effect level (DNEL/DMEL) DNEL  PNEC trimethoxyvinylsilane  Compartments Fresh water	Long-term systemic effects  Type  Long-term systemic effects Acute systemic effects inha Acute systemic effects der Acute systemic effects der Long-term systemic effects eridyl) [[3,5-bis(1,1-dimethylethy Type  Long-term systemic effects Long-term systemic effects Long-term systemic effects  Value  0.34 mg/l	s inhalation alation mal mal s oral vl)-4-hydroxyphenyl]m s inhalation s dermal s oral	Value 0.01 mg/kg bw/day  Value 1.04 mg/m³ 93.4 mg/m³ day 0.3 mg/kg bw/day 26.9 mg/kg bw/day 0.3 mg/kg bw/day  value 0.01 mg/m³ 33 µg/kg bw/day 3 µg/kg bw/day	Remark
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Effect level (DNEL/DMEL) DNEL  DNEL-DMEL - General population trimethoxyvinylsilane  Effect level (DNEL/DMEL) DNEL  DISCONDINGEN	Long-term systemic effects  Type  Long-term systemic effects Acute systemic effects der Acute systemic effects der Long-term systemic effects der Long-term systemic effects eridyl) [[3,5-bis(1,1-dimethylethy) Type  Long-term systemic effects 10 Value 10 .34 mg/l 110 mg/l 1.24 mg/k 11.24 mg/k 11.24 mg/k	s inhalation alation mal mal s oral yl)-4-hydroxyphenyl]m s inhalation s dermal s oral	Value 0.01 mg/kg bw/day  Value 1.04 mg/m³ 93.4 mg/m³ day 0.3 mg/kg bw/day 26.9 mg/kg bw/day 0.3 mg/kg bw/day  value 0.01 mg/m³ 33 µg/kg bw/day 3 µg/kg bw/day	Remark
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Effect level (DNEL/DMEL) DNEL  DNEL DNEL/DMEL - General population trimethoxyvinylsilane  Effect level (DNEL/DMEL) DNEL  DISCI, 2, 2, 6, 6-pentamethyl-4-pipulation trimethoxyvinylsilane  Effect level (DNEL/DMEL) DNEL  DNEL  PNEC  trimethoxyvinylsilane  Compartments Fresh water Marine water Aqua (intermittent releases) STP Fresh water sediment Marine water sediment Soil Disci, 2, 2, 6, 6-pentamethyl-4-pipulation water Soil Disci, 2, 2, 6, 6-pentamethyl-4-pipulation water Soil Disci, 2, 2, 6, 6-pentamethyl-4-pipulation water	Long-term systemic effects	s inhalation alation mal mal s oral yl)-4-hydroxyphenyl]m s inhalation s dermal s oral l l g sediment dw g sediment dw kg soil dw	Value 0.01 mg/kg bw/day  Value 1.04 mg/m³ 93.4 mg/m³ day 0.3 mg/kg bw/day 26.9 mg/kg bw/day 0.3 mg/kg bw/day ethyl]butylmalonate  Value 0.01 mg/m³ 33 µg/kg bw/day 3 µg/kg bw/day Remark  Remark	Remark
Effect level (DNEL/DMEL) DNEL  DNEL DNEL/DMEL - General population trimethoxyvinylsilane  Effect level (DNEL/DMEL) DNEL  DISCI,2,2,6,6-pentamethyl-4-pipulation trimethoxyvinylsilane  Effect level (DNEL/DMEL) DNEL  DNEL  Compartments Fresh water Marine water Aqua (intermittent releases) STP Fresh water sediment Marine water sediment Marine water sediment Soil Disci,2,2,6,6-pentamethyl-4-pipulation water Soil Disci,2,2,6,6-pentamethyl-4-pipulation water Compartments	Long-term systemic effects	s inhalation alation mal mal s oral yl)-4-hydroxyphenyl]m s inhalation s dermal s oral l l g sediment dw g sediment dw kg soil dw	Value 0.01 mg/kg bw/day  Value 1.04 mg/m³ 93.4 mg/m³ day 0.3 mg/kg bw/day 26.9 mg/kg bw/day 0.3 mg/kg bw/day ethyl]butylmalonate  Value 0.01 mg/m³ 33 µg/kg bw/day 3 µg/kg bw/day Remark	Remark
Effect level (DNEL/DMEL) DNEL DNEL-DMEL - General population trimethoxyvinylsilane Effect level (DNEL/DMEL) DNEL  DISCA (1,2,2,6,6-pentamethyl-4-pipulation trimethoxyvinylsilane) Effect level (DNEL/DMEL) DNEL  DNEL  Compartments Fresh water Marine water Aqua (intermittent releases) STP Fresh water sediment Marine water sediment Marine water sediment Soil Disc(1,2,2,6,6-pentamethyl-4-pipulation tripethoxyvinylsilane) Compartments Fresh water sediment Soil Disc(1,2,2,6,6-pentamethyl-4-pipulation tripethoxyvinylsilane) Compartments Fresh water	Long-term systemic effects	s inhalation alation mal mal s oral yl)-4-hydroxyphenyl]m s inhalation s dermal s oral l l g sediment dw g sediment dw kg soil dw	Value 0.01 mg/kg bw/day  Value 1.04 mg/m³ 93.4 mg/m³ day 0.3 mg/kg bw/day 26.9 mg/kg bw/day 0.3 mg/kg bw/day ethyl]butylmalonate  Value 0.01 mg/m³ 33 µg/kg bw/day 3 µg/kg bw/day Remark  Remark	Remark
Effect level (DNEL/DMEL) DNEL DNEL-DMEL - General population trimethoxyvinylsilane Effect level (DNEL/DMEL) DNEL  DISCALAGO - DESCRIPTION - COMPART - COMPAR	Long-term systemic effects	s inhalation alation mal mal s oral yl)-4-hydroxyphenyl]m s inhalation s dermal s oral l l g sediment dw g sediment dw kg soil dw	Value 0.01 mg/kg bw/day  Value 1.04 mg/m³ 93.4 mg/m³ day 0.3 mg/kg bw/day 26.9 mg/kg bw/day 0.3 mg/kg bw/day ethyl]butylmalonate  Value 0.01 mg/m³ 33 µg/kg bw/day 3 µg/kg bw/day Remark  Remark	Remark
Effect level (DNEL/DMEL) DNEL DNEL-DMEL - General population trimethoxyvinylsilane Effect level (DNEL/DMEL) DNEL  DISCA (1,2,2,6,6-pentamethyl-4-pipulation trimethoxyvinylsilane) Effect level (DNEL/DMEL) DNEL  DNEL  Compartments Fresh water Marine water Aqua (intermittent releases) STP Fresh water sediment Marine water sediment Marine water sediment Soil Disc(1,2,2,6,6-pentamethyl-4-pipulation tripethoxyvinylsilane) Compartments Fresh water sediment Soil Disc(1,2,2,6,6-pentamethyl-4-pipulation tripethoxyvinylsilane) Compartments Fresh water	Long-term systemic effects	s inhalation alation mal mal s oral yl)-4-hydroxyphenyl]m s inhalation s dermal s oral l l g sediment dw g sediment dw kg soil dw	Value 0.01 mg/kg bw/day  Value 1.04 mg/m³ 93.4 mg/m³ day 0.3 mg/kg bw/day 26.9 mg/kg bw/day 0.3 mg/kg bw/day ethyl]butylmalonate  Value 0.01 mg/m³ 33 µg/kg bw/day 3 µg/kg bw/day Remark  Remark	Remark
Effect level (DNEL/DMEL) DNEL DNEL-DMEL - General population trimethoxyvinylsilane Effect level (DNEL/DMEL) DNEL  DISCALAGO - DESCRIPTION - COMPART - COMPAR	Long-term systemic effects	s inhalation alation mal mal s oral yl)-4-hydroxyphenyl]m s inhalation s dermal s oral l l g sediment dw g sediment dw kg soil dw	Value 0.01 mg/kg bw/day  Value 1.04 mg/m³ 93.4 mg/m³ day 0.3 mg/kg bw/day 26.9 mg/kg bw/day 0.3 mg/kg bw/day ethyl]butylmalonate  Value 0.01 mg/m³ 33 µg/kg bw/day 3 µg/kg bw/day Remark  Remark	Remark
Effect level (DNEL/DMEL) DNEL DNEL-DMEL - General population trimethoxyvinylsilane Effect level (DNEL/DMEL) DNEL  DISCALAGO DISCALAGO DEL DISCALAGO DISCALAG	Long-term systemic effects	s inhalation alation mal mal s oral yl)-4-hydroxyphenyl]m s inhalation s dermal s oral l l g sediment dw g sediment dw kg soil dw	Value 0.01 mg/kg bw/day  Value 1.04 mg/m³ 93.4 mg/m³ day 0.3 mg/kg bw/day 26.9 mg/kg bw/day 0.3 mg/kg bw/day ethyl]butylmalonate  Value 0.01 mg/m³ 33 µg/kg bw/day 3 µg/kg bw/day Remark  Remark	Remark
Effect level (DNEL/DMEL) DNEL  DNEL DNEL/DMEL - General population in the property of the prop	Long-term systemic effects  Type  Long-term systemic effects Acute systemic effects der Acute systemic effects der Acute systemic effects der Long-term systemic effects eridyl) [[3,5-bis(1,1-dimethylethy) Type  Long-term systemic effects 10 Value 0.34 mg/l 0.034 mg/l 110 mg/l 1.24 mg/k 0.052 mg/eridyl) [[3,5-bis(1,1-dimethylethy) Value 0 mg/l 0 mg/l 0.61 mg/l 1 mg/l 504.4 mg/l 504.4 mg/l	s inhalation alation mal mal s oral d)-4-hydroxyphenyl]m s inhalation s dermal s oral d) g sediment dw g sediment dw kg soil dw d)-4-hydroxyphenyl]m	Value 0.01 mg/kg bw/day  Value 1.04 mg/m³ 93.4 mg/m³ day 0.3 mg/kg bw/day 26.9 mg/kg bw/day 0.3 mg/kg bw/day ethyl]butylmalonate  Value 0.01 mg/m³ 33 µg/kg bw/day 3 µg/kg bw/day Remark  Remark	Remark
Effect level (DNEL/DMEL) DNEL  DNEL DNEL/DMEL - General population in the population	Long-term systemic effects  Type  Long-term systemic effects Acute systemic effects der Acute systemic effects der Acute systemic effects der Long-term systemic effects eridyl) [[3,5-bis(1,1-dimethylethy) Type  Long-term systemic effects 10 Value 0.34 mg/l 0.034 mg/l 110 mg/l 1.24 mg/k 0.052 mg/eridyl) [[3,5-bis(1,1-dimethylethy) Value 0 mg/l 0 mg/l 0.61 mg/l 1 mg/l 504.4 mg/l 504.4 mg/l	s inhalation alation mal mal s oral s inhalation s dermal s oral g sediment dw g sediment dw kg soil dw dl-4-hydroxyphenyl]m	Value 0.01 mg/kg bw/day  Value 1.04 mg/m³ 93.4 mg/m³ day 0.3 mg/kg bw/day 26.9 mg/kg bw/day 0.3 mg/kg bw/day ethyl]butylmalonate  Value 0.01 mg/m³ 33 µg/kg bw/day 3 µg/kg bw/day Remark  Remark	Remark

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dioctylbis(pentane-2,4-dionato-0,0')tin

Compartments	Value	Remark
Fresh water	<mark>0.026 m</mark> g/l	
Marine water	<mark>0.0026 m</mark> g/l	
Aqua (intermittent rele <mark>ases)</mark>	<mark>0.26 mg</mark> /l	
STP	1 mg/l	
Fresh water sediment	<mark>0.155 mg</mark> /kg sediment dw	
Marine water sediment	<mark>0.0155 m</mark> g/kg sediment dw	
Soil	<mark>0.0158 m</mark> g/kg soil dw	

pyrithione zinc

Compartments	Value	Remark
Fresh water	90 ng/l	
Marine water	90 ng/l	
STP	0.01 mg/l	
Fresh water sediment	0.0095 mg/kg sediment dw	
Marine water sediment	0.0095 mg/kg sediment dw	
Soil	8.85 mg/kg soil dw	

#### 8.1.5 Control banding

If applicable and available it will be listed below.

#### 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. 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 normal hygiene standards. 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:

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 Paste					
Odour		Characteristic odour					
Odour threshold		No data available					
Colour		Variable in colour, depending on the composition					
Particle size		No data available					
Explosion limits		No data available					
Flammability		Not easily combustible					
Log Kow		Not applicable (mixture)					
Dynamic viscosity		No data available					
Kinematic viscosity		No data available					
Melting point		No data available					
Boiling point		No data available					
Flash point		> 240 °C					
Evaporation rate		No data available					
Relative vapour density		No data available					
Vapour pressure		No data available					
Solubility		water ; insoluble					
		organic solvents; soluble					
Relative density		1.4; 20°C					
Decomposition temperature		No data available					
Auto-ignition temperatu	re	No data available					
Explosive properties		No chemical group associated with explosive properties					
Oxidising properties		No chemical group associated with oxidising properties					
рН		No data available					

#### 9.2. Other information

Absolute density	1400 kg/m³ ; 20 °C			

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## SECTION 10: Stability and reactivity

#### 10.1. Reactivity

Heating increases the fire hazard. No data available.

#### 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, hydrogen chloride.

#### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

11.1.1 Test results

#### Acute toxicity

#### 4Trade Instant Grab Adhesive White

No (test)data on the mixture available

trimethoxyvinylsilane

Route of exposure	Parameter	Method	Value	Exposure time		Value determination	Remark
Oral	LD50	Equivalent to OECD 401	7120 mg/kg		Rat (male)	Experimental value	
Oral	LD50	Equivalent to OECD 401	7236 mg/kg bw		Rat (female)	Experimental value	
Dermal	LD50	Equivalent to OECD 402	3.36 ml/kg bw	24 h	Rabbit (female)	Experimental value	
Dermal	LD50	Equivalent to OECD 402	4 mg/kg bw	24 week(s)	Rat (male/female)	QSAR	
Inhalation (vapours)	LC50	Equivalent to OECD 403	16.8 mg/l	4 h	Rat (male/female)	Experimental value	

bis(1,2,2,6,6-pentamethyl-4-piperidyl) [[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]methyl]butylmalonate

Route of exposure	Parameter	Method	Value	Exposure time	Species	Value	Remark
						determination	
Oral	LD50	Equivalent to OECD 401	1490 mg/kg bw		Rat (male/female)	Experimental value	
Dermal	LD50	Equivalent to OECD 402	> 3170 mg/kg bw	24 h	Rat (male/female)	Experimental value	
Inhalation (aerosol)	LC50	Equivalent to OECD 403	> 460 mg/m³ air	4 h	Rat (male/female)	Experimental value	

dioctylbis(pentane-2,4-dionato-O,O')tin

Route of exposure	Parameter	Method	Value	Exposure time		Value determination	Remark
Oral	LD50	OECD 423	2500 mg/kg		Rat (female)	Experimental value	
Dermal	LD50	OECD 402	> 2000 mg/g	24 h	Rat (male/female)	Experimental value	
Inhalation (vapours)	LC50	Equivalent to OECD 403	1224 ppm	4 h	Rat (male/female)	Experimental value	

pyrithione zinc

Route of exposure	Parameter	Method	Value	Exposure time	Species	Value	Remark
						determination	
Oral	LD50	OECD 401	269 mg/kg bw		Rat (male/female)	Experimental value	
Dermal	LD50	EPA OPP 81-2	> 2000 mg/kg	24 h	Rat (male/female)	Experimental value	
Inhalation (aerosol)	LC50	OECD 403	1.03 mg/l air	4 h	Rat (male/female)	Experimental value	

Judgement is based on the relevant ingredients

#### Conclusion

Not classified for acute toxicity

#### Corrosion/irritation

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<u>imethoxyvinylsilane</u>							
Route of exposure	Result	Method	Exposure time	Time point	Species	Value determination	Remark
Eye	Not irritating	OECD 405	24 h	1; 24; 48; 72 hour		Experimental value	
Skin	Not irritating		24 h	24; 48; 72 hours	Rabbit	Experimental value	
				henyl]methyl]butylma		h	h .
Route of exposure	Result	Method	Exposure time	Time point	Species	Value determination	Remark
Eye	Not irritating	Equivalent to OECD 405	30 seconds	24; 48; 72 hours	Rabbit	Experimental value	
Skin	Not irritating	Equivalent to OECD 404	24 h	24; 72 hours	Rabbit	Experimental value	
L ioctylbis(pentane-2,4		<u>tin</u>					
Route of exposure	Result	Method	Exposure time	Time point	Species	Value determination	Remark
Eye	Not irritating	OECD 405		24; 72 hours	Rabbit	Experimental value	
Skin	Not irritating	OECD 404	4 h	1 hour	Rabbit	Experimental value	
yrithione zinc	IDII	n a . H I	F 41	T'	lc	h/-1	ln
Route of exposure	Result	Method	Exposure time	Time point	Species	Value determination	Remark
Eye	Serious eye damage	OECD 405	24 h	24 hours	Rabbit	Experimental value	
Skin	Not irritating	OECD 404	4 h	1; 24; 48; 72 hour	s Rabbit	Experimental value	
lot classified as irritar lot classified as irritar atory or skin sensitis de Instant Grab Adhe	ting to th <mark>e respi</mark> sation esive White						
o (test)data on the r	mixture a <mark>vailable</mark>	9					
imethoxyvinylsilane					1-		_
, ,		Method	Exposure time	Observation time point	Species	Value determination	Remark
Route of exposure Skin	Result  Not sensitizing	Method OECD 406		point 24; 48 hours	Guinea pig (male/female)	Value determination  Experimental value	Remark
Route of exposure Skin is(1,2,2,6,6-pentame	Result  Not sensitizing ethyl-4-piperidyl	Method OECD 406 ) [[3,5-bis(1,1-dimeth	nylethyl)-4-hydroxypl	point 24; 48 hours henyl]methyl]butylma	Guinea pig (male/female)	Experimental value	
Route of exposure Skin	Result  Not sensitizing ethyl-4-piperidyl	Method OECD 406		point 24; 48 hours	Guinea pig (male/female)		
Route of exposure Skin is(1,2,2,6,6-pentame) Route of exposure	Result  Not sensitizing ethyl-4-piperidyl	Method OECD 406 ) [[3,5-bis(1,1-dimeth	nylethyl)-4-hydroxypl	point 24; 48 hours henyl]methyl]butylma Observation time	Guinea pig (male/female) slonate Species	Experimental value	
Route of exposure Skin is(1,2,2,6,6-pentame) Route of exposure	Result  Not sensitizing  ethyl-4-piperidyl  Result  Not sensitizing	Method OECD 406 ) [[3,5-bis(1,1-dimeth) Method Other	nylethyl)-4-hydroxypl	point 24; 48 hours henyl]methyl]butylma Observation time	Guinea pig (male/female) alonate Species	Experimental value  Value determination	
Route of exposure Skin is(1,2,2,6,6-pentame Route of exposure Skin	Result  Not sensitizing  ethyl-4-piperidyl  Result  Not sensitizing  4-dionato-0,0')t	Method OECD 406 ) [[3,5-bis(1,1-dimeth) Method Other	nylethyl)-4-hydroxypl	point 24; 48 hours henyl]methyl]butylma Observation time point Observation time	Guinea pig (male/female) slonate Species	Experimental value  Value determination	Remark
Route of exposure Skin Skin Skin Route of exposure Route of exposure Skin Skin Skin Skin Skin Skin Skin Skin	Result  Not sensitizing  ethyl-4-piperidyl  Result  Not sensitizing  4-dionato-0,0')t	Method OECD 406 ) [[3,5-bis(1,1-dimeth) Method Other	Exposure time	point 24; 48 hours henyl]methyl]butylma Observation time point	Guinea pig (male/female) alonate Species Guinea pig (male/female)	Experimental value  Value determination  Experimental value  Value determination	Remark
Route of exposure Skin Skin Skin Route of exposure Route of exposure Skin Skin Skin Skin Skin Skin Skin Skin	Result  Not sensitizing  ethyl-4-piperidyl  Result  Not sensitizing  4-dionato-0,0')t  Result	Method OECD 406 ) [[3,5-bis(1,1-dimeth) Method Other tin Method	Exposure time	point 24; 48 hours henyl]methyl]butylma Observation time point Observation time	Guinea pig (male/female) slonate Species Guinea pig (male/female)	Experimental value  Value determination  Experimental value  Value determination	Remark
Route of exposure Skin  Skin	Result  Not sensitizing  ethyl-4-piperidyl  Result  Not sensitizing  4-dionato-0,0')t  Result  Sensitizing	Method OECD 406 ) [[3,5-bis(1,1-dimeth) Method Other tin Method	Exposure time	point 24; 48 hours henyl]methyl]butylma Observation time point Observation time point	Guinea pig (male/female) alonate Species Guinea pig (male/female)	Experimental value  Value determination  Experimental value  Value determination	Remark Remark
Route of exposure Skin is(1,2,2,6,6-pentame Route of exposure Skin ioctylbis(pentane-2,4 Route of exposure Skin yrithione zinc Route of exposure	Result  Not sensitizing  ethyl-4-piperidyl  Result  Not sensitizing  4-dionato-0,0')t  Result  Sensitizing	Method  OECD 406  ) [[3,5-bis(1,1-dimeth)]  Method  Other  tin  Method  OECD 429	Exposure time  Exposure time	point 24; 48 hours henyl]methyl]butylma Observation time point Observation time point Observation time	Guinea pig (male/female) slonate Species Guinea pig (male/female) Species Mouse (female) Species Guinea pig	Experimental value  Value determination  Experimental value  Value determination  Experimental value	Remark Remark
Route of exposure Skin is(1,2,2,6,6-pentame Route of exposure Skin ioctylbis(pentane-2, Route of exposure Skin yrithione zinc Route of exposure Skin Inhalation	Result  Not sensitizing  ethyl-4-piperidyl  Result  Not sensitizing  4-dionato-O,O')t  Result  Sensitizing  Result  Not sensitizing	Method  OECD 406  I [3,5-bis(1,1-dimeth) Method  Other  tin  Method  OECD 429  Method  OECD 429  Method	Exposure time  Exposure time	point 24; 48 hours  henyl]methyl]butylma Observation time point  Observation time point  Observation time point	Guinea pig (male/female) slonate Species Guinea pig (male/female) Species Mouse (female) Species	Value determination  Experimental value  Value determination  Experimental value  Value determination  Experimental value	Remark Remark
Route of exposure Skin is(1,2,2,6,6-pentame Route of exposure Skin ioctylbis(pentane-2,4 Route of exposure Skin yrithione zinc Route of exposure	Result  Not sensitizing  ethyl-4-piperidyl  Result  Not sensitizing  4-dionato-0,0')t  Result  Sensitizing  Result  Not sensitizing  n the relevant in  itizing for skin  itizing for inhalat  ity  esive White	Method  OECD 406  I [3,5-bis(1,1-dimeth Method)  Other  III  Method  OECD 429  Method  OECD 429  Method  OECD 406  OECD 406	Exposure time  Exposure time	point 24; 48 hours  henyl]methyl]butylma Observation time point  Observation time point  Observation time point	Guinea pig (male/female) slonate Species Guinea pig (male/female) Species Mouse (female) Species Guinea pig	Value determination  Experimental value  Value determination  Experimental value  Value determination  Experimental value  Value determination  Experimental value	Remark Remark

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	nethoxyvinylsilane	h		n a - 411	h.r1	h	FCC 1	F	C	hr
	Route of exposure	Parame	eter	Method	Value	Organ	Effect	Exposure time	Species	Value determination
	Oral (stomach tube)	LOAEL		OECD 422	62.5 mg/kg bw/day	Thymus	Weight reduction	6 weeks (daily) - 8 weeks (daily)	Rat (female)	Experimental value
	Inhalation (vapours)	LOAEC		Subchronic toxicity test	100 ppm		Change in urine composition	14 weeks (6h/day, 5 days/week)	Rat (male)	Experimental value
	Inhalation (vapours)	NOAEC		Subchronic toxicity test	10 ppm		No effect	14 weeks (6h/day, 5 days/week)	Rat (male/female)	Experimental value
<u> </u>	1,2,2,6,6-pentameth	nyl-4-pi		•	imethylethyl)-4-	hydroxyphenyl]n	nethyl]butylmalo		(mare) remaie)	raide
	Route of exposure			Method	Value	Organ	Effect	Exposure time	Species	Value determination
	Oral (stomach tube)	LOAEL		OECD 421	10 mg/kg bw/day	Lymph nodes	Enlargement of the lymph glands	28 day(s)	Rat (male/female)	Experimental value
	Oral (stomach tube)	LOAEL		OECD 421	10 mg/kg bw/day	Liver	Enlargement/aff ection of the liver	28 day(s)	Rat (male/female)	Experimental value
	Oral (stomach tube)	LOAEL		OECD 421	10 mg/kg bw/day	Spleen	Spleen enlargement/aff ection	28 day(s)	Rat (male/female)	Experimental value
	ctylbis(pentane-2,4-									
	Route of exposure	Parame	eter	Method	Value	Organ	Effect	Exposure time	Species	Value determination
	Oral (diet)	NOAEL		OECD 422	0.3 mg/kg bw/day - 0.5 mg/kg bw/day	Thymus	No effect	28 day(s)	Rat (male/female)	Experimental value
-	Dermal									Data waiving
	Inhalation (vapours)	NOEC		Equivalent to OECD 413	100 ppm		No effect	14 weeks (6h/day, 5 days/week)	Rat (male/female)	Experimental value
Ī	Inhalation (vapours)	LOAEC		Equivalent to OECD 413	650 ppm	Various organs	Histopathology	14 weeks (6h/day, 5 days/week)	Rat (male/female)	Experimental value
	thione zinc			15-55-15-	l			[	( · · · · · · · · · · · · · · · · · · ·	1.5.5.5
	Route of exposure	Parame	eter	Method	Value	Organ	Effect	Exposure time	Species	Value determination
	Oral (stomach tube)	NOAEL		OECD 453	0.5 mg/kg bw/day		No effect	98 weeks (daily) - 104 weeks (daily)	Rat (male/female)	Experimental value
-	Dermal	NOAEL		EPA OPP 82-3	100 mg/kg bw/day		No effect	13 weeks (6h/day, 5 days/week)	Rat (male/female)	Experimental value
Ī	Dermal	LOAEL		EPA OPP 82-3	1000 mg/kg bw/day		Haematological changes	13 weeks (6h/day, 5 days/week)	Rat (male/female)	Experimental value
Ī	Inhalation (dust)	LOAEL		EPA OPPTS 870.3465	6 mg/m³ air		Respiratory difficulties	3 weeks (6h/day, 5 days/week)	Rat (male/female)	Experimental value
Ī	Inhalation (dust)	NOAEL		EPA OPPTS	2 mg/m³ air		No effect	3 weeks (6h/day, 5	Rat	Experimental
Lude	gement is based on	the rele		870.3465				days/week)	(male/female)	value
Concl	lusion classified for subch			g. carec						
rade	Instant Grab Adhes									
rade No ( <u>trim</u>	(test)data on the mi nethoxyvinylsilane		/ailabl							
rade No ( trim	(test)data on the mi nethoxyvinylsilane Result	xture a	/ailabl	ethod		Test substrate		ect	Value dete	
rade No ( trim	(test)data on the minethoxyvinylsilane Result Positive with metable activation, positive	xture av	vailabl			Test substrate CHL/IU cells		ect romosome aberration		
rade No ( trim	(test)data on the minethoxyvinylsilane  Result  Positive with metabactivation, positive metabolic activation  Negative with metabactivation, negative with metabactivation, negative	oolic without n bolic withou	vailabl	ethod			Ch	romosome aberration		tal value
Γrade No ( trim	(test)data on the minethoxyvinylsilane  Result  Positive with metabactivation, positive metabolic activation  Negative with metab	oolic without n bolic withou n bolic withou	/ailabl	ethod ECD 473		CHL/IU cells	Ch ovary (CHO) No	romosome aberration	s Experimen	tal value tal value
Frade No ( trim	(test)data on the minethoxyvinylsilane  Result  Positive with metable activation, positive metabolic activation  Negative with metale activation, negative metabolic activation, negative metabolic activation, negative with metale activation, negative with metale activation, negative	oolic without n bolic withou n bolic withou	/ailabl	ethod ECD 473 ECD 476		CHL/IU cells Chinese hamster	Ch ovary (CHO) No	romosome aberration effect	s Experimen  Experimen	tal value tal value
Trade No ( trim	(test)data on the minethoxyvinylsilane  Result  Positive with metable activation, positive metabolic activation  Negative with metale activation, negative metabolic activation, negative metabolic activation, negative with metale activation, negative with metale activation, negative	oolic without n bolic withou n bolic withou	/ailabl	ethod ECD 473 ECD 476		CHL/IU cells Chinese hamster	ovary (CHO) No	romosome aberration effect	Experimen  Experimen  Experimen	tal value tal value

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(1,2,2,6,6-pentamethyl-4-pipe	ridyl) [[3,5-bis(1,1-dimethylethyl)-	4-hydroxyphenyl]methyl]butylm	nalonate_	
Result	Method	Test substrate	Effect	Value determination
Negative with metabolic	Ames test	Bacteria (S.typhimurium)	No effect	Experimental value
activation, negative without				
metabolic activation	0560 476	China a la contra a con (CHO)	N CC I	E do
Negative with metabolic activation, negative without	OECD 476	Chinese hamster ovary (CHO)	по еттест	Experimental value
metabolic activation				
Positive with metabolic	OECD 473	Chinese hamster ovary (CHO)		Experimental value
activation, positive without		, , , , , , , , , , , , , , , , , , ,		'
metabolic activation				
ctylbis(pentane-2,4-dionato-C				
Result	Method	Test substrate	Effect	Value determination
Negative	OECD 476	Chinese hamster lung fibroblasts	No effect	Experimental value
Negative	OECD 473	Chinese hamster lung fibroblasts	No effect	Experimental value
Negative	OECD 471	Bacteria (S.typhimurium)	No effect	Experimental value
rithione zinc				
Result	Method	Test substrate	Effect	Value determination
Negative with metabolic	OECD 471	Bacteria (S.typhimurium)	No effect	Experimental value
activation, negative without				
metabolic activation				
Negative with metabolic	OECD 476	Chinese hamster lung	No effect	Experimental value
activation		fibroblasts		
Negative with metabolic	OECD 473	Chinese hamster lung	Chromosome aberrations	Experimental value
activation		fibroblasts		

#### Mutagenicity (in vivo)

#### 4Trade Instant Grab Adhesive White

No (test)data on the mixture available

trimethoxyvinylsilane Result

	Result	Method	Exposure time	Test substrate	Organ	Value determination
	Negative	EPA 560/6-83-001		Mouse (male/female)	Blood	Experimental value
dio	tylbis(pentane-2,4-dionato-0,0	')tin				
	Result	Method	Exposure time	Test substrate	Organ	Value determination

Result		/lethod Ex	xposure time	Test substrate	Organ	Value determination
Negative	0	ECD 474		Mouse (male)	Bone marrow	Experimental value

pyrithione zinc

Result	Method	Method Exposure time		Organ	Value determination
Negative	OECD 474		Mouse (male/female)	Bone marrow	Experimental value

#### Carcinogenicity

#### 4Trade Instant Grab Adhesive White

No (test)data on the mixture available

pyrithione zinc

Route of exposure	Parameter	Method	Value	Exposure time	Species	Effect	- J	Value determination
Oral	NOAEL	OECD 453	> 2.1 mg/kg bw	104 weeks (daily)	Rat	No carcinogenic		Experimental
					(male/female)	effect		value

#### Reproductive toxicity

#### 4Trade Instant Grab Adhesive White

No (test)data on the mixture available

trimethoxyvinylsilane

	Parameter	Method	Value	Exposure time	Species	Effect	Organ	Value determination
Developmental toxicity	NOAEL	EPA OTS 798.4350	100 ppm	10 days (6h/day)	Rat (female)	No effect		Experimental value
Maternal toxicity	NOAEL	EPA OTS 798.4350	25 ppm	10 days (6h/day)	Rat (female)	No effect		Experimental value
Effects on fertility	NOAEL (P)	OECD 422	1000 mg/kg bw/day	8 week(s)	Rat (male)	No effect		Experimental value
	NOAEL (P)	OECD 422	250	6 week(s)	Rat (female)	No effect		Experimental value

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	-hydroxyphenyl]methyl]butylmalonate

	Parameter	Method	Value	Exposure time	Species	Effect	- 3 -	Value determination
Developmental toxicity								Data waiving
Maternal toxicity								Data waiving
Effects on fertility	NOAEL	Equivalent to	≥ 10 mg/kg	36 day(s) - 50	Rat	No effect		Experimental
		OECD 421	bw/day	day(s)	(male/female)			value

dioctylbis(pentane-2,4-dionato-O,O')tin

	Parameter	Method	Value	Exposure time	Species	Effect	- 3 -	Value determination
Maternal toxicity	NOAEL		0.3 mg/kg bw/day - 0.5 mg/kg bw/day	28 day(s)	Rat	No effect	,	Experimental value
Effects on fertility	NOAEL		0.3 mg/kg bw/day - 0.5 mg/kg bw/day	/ ( - /	Rat (male/female)	No effect		Experimental value

pyrithione zinc

	Parameter	Method	Value	Exposure time	Species	Effect	- 3	Value determination
Developmental toxicity	LOAEL	EPA OPP 83-3	1.5 mg/kg bw/day	13 day(s)	,	Increased post- implantation loss	Foetus	Experimental value
	NOAEL	EPA OPP 83-3	0.5 mg/kg bw/day	13 day(s)	Rabbit (female)	No effect		Experimental value
Maternal toxicity	LOAEL	EPA OPP 83-3	1.5 mg/kg bw/day	13 day(s)	Rabbit (female)	Weight changes		Experimental value
	NOAEL	EPA OPP 83-3	0.5 mg/kg bw/day	13 day(s)	Rabbit (female)	No effect		Experimental value
Effects on fertility	LOAEL (P/F1)	EPA OPPTS 870.3800	1.4 mg/kg bw/day - 2.8 mg/kg bw/day			Reproductive performance		Experimental value
	NOAEL (P/F1)	EPA OPPTS 870.3800	0.7 - 1.4		Rat (male/female)	No effect		Experimental value

Judgement is based on the relevant ingredients

Conclusion CMR

Not classified for carcinogenicity

Not classified for mutagenic or genotoxic toxicity

Not classified for reprotoxic or developmental toxicity

#### Toxicity other effects

4Trade Instant Grab Adhesive White

No (test)data on the mixture available

Chronic effects from short and long-term exposure

4Trade Instant Grab Adhesive White

No effects known.

## SECTION 12: Ecological information

#### 12.1. Toxicity

4Trade Instant Grab Adhesive White

No (test)data on the mixture available

trimethoxyvinylsilane

		Parameter	Method	Value	Duration	Species	Test design	Fresh/salt water	Value determination
Acute toxicity fishes		LC50		<mark>191 m</mark> g/l	96 h	Oncorhynchus mykiss		Fresh water	Experimental value; Nominal concentration
Acute toxicity invertebrates		EC50	EU Method C.2	168.7 mg/l	48 h	Daphnia magna	Static system	Fresh water	Experimental value; GLP
Toxicity algae and other aqu plants	atic	EC50	EPA 67014- 73-0	210 mg/l	7 day(s)	Pseudokirchnerie lla subcapitata	Static system	Fresh water	Experimental value; Nominal concentration
Long-term toxicity fish									Data waiving
Long-term toxicity aquatic invertebrates									Data waiving

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Acute toxicity fishes  Toxicity algae and other aquatic plants Long-term toxicity aquatic invertebrates  Toxicity aquatic micro-organisms	Parameter LC50	Method	Value				Fresh/salt	Value determi
Toxicity algae and other aquatic plants Long-term toxicity aquatic invertebrates Toxicity aquatic micro-	LC50			Duration	Species	Test design	water	value determi
plants  Long-term toxicity aquatic invertebrates  Toxicity aquatic micro-	200	OECD 203	> 100 mg/l	96 h	Danio rerio	Semi-static system	Fresh water	Experimental v GLP
invertebrates Toxicity aquatic micro-	EC50	Other	61 mg/l	72 h	Scenedesmus subspicatus	Static system	Fresh water	Experimental v Biomass
Toxicity aquatic micro-	NOEC	OECD 211	2 μg/l	21 day(s)	Daphnia magna	Semi-static system	Fresh water	Experimental v
	IC50	OECD 209	> 100 mg/l	3 h	Activated sludge	Static system	Fresh water	Experimental
ioctylbis(pentane-2,4-dionato-0,	,O')tin			<u> </u>				
	Parameter	Method	Value	Duration	Species	Test design	Fresh/salt water	Value determi
Acute toxicity fishes	LC50	OECD 203	86 mg/l	96 h	Pisces	Static system		Experimental
Acute toxicity invertebrates	EC50	OECD 202	58.6 mg/l	48 h	Daphnia magna	Static system	_	Experimental
Toxicity algae and other aquatic		OECD 201	300 mg/l	24 h	Scenedesmus	Static system		Experimental
plants	1030	0200 201	300 1116/1	2111	subspicatus	Static System	•	Experimental
yrithione zinc	Parameter	Method	Value	Duration	Species	Test design	Fresh/salt	Value determ
	1.050	0505 000	0.0101 //	0.5.1			water	F
Acute toxicity fishes	LC50	OECD 203	0.0104 mg/l	96 h	Brachydanio			Experimental
Acute toxicity invertebrates	EC50	OECD 202	0.051 mg/l	48 h	Daphnia magna			Experimental
Toxicity algae and other aquatic plants	EC50	OECD 201	0.051 mg/l	72 h	Pseudokirchnerie lla subcapitata			Experimental
	NOEC	OECD 201	0.0149 mg/l	72 h	Pseudokirchnerie lla subcapitata			Experimental
Long-term toxicity fish	NOEC	OECD 215	0.00125 mg/l		Brachydanio		1	Experimental
Long-term toxicity aquatic invertebrates	NOEC	OECD 211	0.00213 mg/l	21 day(s)	Daphnia magna			Experimental
Toxicity aquatic micro- organisms	EC50	OECD 209	2.4 mg/l	3 h	Activated sludge	Static system	1	Experimental GLP
armful to aquatic life with long la .2. Persistence and degrading the long land the long land land land land land land land land	dability							
.2. Persistence and degra	dability	Value		Dura	tion	Va	alue determina	ation
.2. Persistence and degrarimethoxyvinylsilane Biodegradation water  Method  OECD 301F: Manometric Resp	oirometry Test			Durat 28 da			alue determina perimental val	
.2. Persistence and degradimethoxyvinylsilane Biodegradation water  Method  OECD 301F: Manometric Resp Phototransformation air (DT50	oirometry Test	51 %; GLP		28 da	y(s)	Ex	perimental val	lue
.2. Persistence and degrarimethoxyvinylsilane Biodegradation water  Method  OECD 301F: Manometric Resp	oirometry Test			28 da		Ex		lue ation
.2. Persistence and degraemethoxyvinylsilane Biodegradation water Method OECD 301F: Manometric Resp Phototransformation air (DT50 Method Half-life water (t1/2 water)	oirometry Test	Value 0.56 day(s)		28 da Conc. 5000	OH-radicals	Va Ca	perimental val alue determina alculated value	ation
.2. Persistence and degrammethoxyvinylsilane Biodegradation water  Method  OECD 301F: Manometric Resp Phototransformation air (DT50  Method  Half-life water (t1/2 water)  Method	pirometry Test air)	Value 0.56 day(s)  Value		28 da Conc. 50000 Prima degra	y(s)  OH-radicals  OO /cm³  ary adation/mineralisa	Va Ca Va tion	perimental val alue determina alculated value alue determina	ation ation
.2. Persistence and degratimethoxyvinylsilane Biodegradation water  Method  OECD 301F: Manometric Resp Phototransformation air (DT50  Method  Half-life water (t1/2 water)  Method  OECD 111: Hydrolysis as a func	pirometry Test air)	Value 0.56 day(s) Value < 2.4 h; pH =		28 da  Conc. 50000  Prima degra Prima	oy(s)  OH-radicals  OO /cm³  ary adation/mineralisa  ary degradation	Va Ca Va tion	perimental val alue determina alculated value	ation ation
.2. Persistence and degrammethoxyvinylsilane Biodegradation water  Method  OECD 301F: Manometric Resp Phototransformation air (DT50  Method  Half-life water (t1/2 water)  Method	pirometry Test air)	Value 0.56 day(s) Value < 2.4 h; pH =		28 da  Conc. 50000  Prima degra Prima	oy(s)  OH-radicals  OO /cm³  ary adation/mineralisa  ary degradation	Va Ca Va tion	perimental val alue determina alculated value alue determina	ation ation
.2. Persistence and degratimethoxyvinylsilane Biodegradation water  Method  OECD 301F: Manometric Resp Phototransformation air (DT50  Method  Half-life water (t1/2 water)  Method  OECD 111: Hydrolysis as a function of the properties of the proper	ction of pH	Value 0.56 day(s)  Value < 2.4 h; pH = 1,1-dimethyle  Value		Conc. 50000  Prima degra Prima phenyl]methy	oy(s)  OH-radicals  OO /cm³  ary adation/mineralisa ary degradation yl]butylmalonate	Va Ca Ca tion V	perimental value determina alculated value alue determina eight of evider	ation ation ace
.2. Persistence and degratimethoxyvinylsilane Biodegradation water  Method  OECD 301F: Manometric Resp Phototransformation air (DT50  Method  Half-life water (t1/2 water)  Method  OECD 111: Hydrolysis as a function of the properties of the proper	ction of pH	Value 0.56 day(s)  Value < 2.4 h; pH = 1,1-dimethyle		28 da  Conc. 50000  Prima degra Prima phenyl]methy	oy(s)  OH-radicals  OO /cm³  ary adation/mineralisa ary degradation yl]butylmalonate	Va Ca Ca tion V	perimental val alue determina alculated value alue determina eight of evider	ation ation ace
.2. Persistence and degratimethoxyvinylsilane Biodegradation water  Method  OECD 301F: Manometric Resp Phototransformation air (DT50  Method  Half-life water (t1/2 water)  Method  OECD 111: Hydrolysis as a function of the properties of the proper	ction of pH	Value 0.56 day(s)  Value < 2.4 h; pH = 1,1-dimethyle  Value		Conc. 50000  Prima degra Prima phenyl]methy	oy(s)  OH-radicals  OO /cm³  ary adation/mineralisa ary degradation yl]butylmalonate	Va Ca Ca tion V	perimental value determina alculated value alue determina eight of evider	ation ation ace
.2. Persistence and degratimethoxyvinylsilane Biodegradation water  Method  OECD 301F: Manometric Resp Phototransformation air (DT50  Method  Half-life water (t1/2 water)  Method  OECD 111: Hydrolysis as a function of the properties of the proper	ction of pH	Value 0.56 day(s)  Value < 2.4 h; pH = 1,1-dimethyle  Value		Conc. 50000  Prima degra Prima phenyl]methy	oy(s)  OH-radicals  OO /cm³  ary adation/mineralisa ary degradation yllbutylmalonate tion ay(s)	Value	perimental value determina alculated value alue determina eight of evider	ation ation ace ation

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Method	ter		Value		Duration	Value determination
OECD 301B: CO2	Evolution	Test	39 %; GLP		28 day(s)	Experimental value
OECD 303A: Activ			≥ 98.8 %; Ad	ctivated sludge	35 day(s)	Experimental value
Phototransformation	on air (DT!	50 air)				
Method			Value		Conc. OH-radicals	Value determination
AOPWIN			8.69 h			Calculated value
Phototransformation	on water (	(DT50 wate			1	
Method			Value		Conc. OH-radicals	Value determination
Other Half-life water (t1/2	2 sector)		< 7 minutes			Experimental value
Method	z water)		Value		Primary	Value determination
ivietriou			Value		degradation/mineralisation	value determination
EPA 161-1			7.4 day(s) -	12.9 day(s); GLP	Primary degradation	Experimental value
<u>L</u>						
nclusion						
ontains non readily	biodegrad	able compo	nent(s)			
0.01						
.3. Bioaccumula						
de Instant Grab Adh	esive Whit	<u>te</u>				
J Kow		Da		Makus	T	Malua data and
/lethod		Remark	ole (mixture)	Value	Temperature	Value determination
	<u> </u>	vot applical	ole (mixture)			_
imethoxyvinylsilane	2					
BCF other aquatic of	organism <mark>s</mark>					
Parameter	Method	t	Value	Duration	Species	Value determination
						Data waiving
Log Kow						
Method		Remark		Value	Temperature	Value determination
KOWWIN		Calculat		-2	20 °C	QSAR
	ethyl-4-pip	peridyl) [[3,5	5-bis(1,1-dimethyl	ethyl)-4-hydroxypher	nyl]methyl]butylmalonate	
BCF fishes			h	<b>b</b> "	h .	
Parameter	Method		Value	Duration	Species	Value determination
BCF	OECD 3	05	24.3 - 437.1	60 day(s)	Cyprinus carpio	Experimental value
Log Kow Method		Remark		Value	Tomporatura	Value determination
		Remark		3.7	Temperature 23 °C	
OECD 107 OECD 117	-			> 6.5	23 °C	Experimental value Experimental value
Other				4.2	23 °C	Experimental value
	_	-O.O')tin		11.2	23 C	Experimental value
ioctylbis(pentane-2.	4-dionato					
ioctylbis(pentane-2, Log Kow	4-dionato	0/0 /				
ioctylbis(pentane-2, Log Kow Method	4-dionato-			Value	Temperature	Value determination
Log Kow	4-dionato-	Remark	available	Value	Temperature	Value determination
Log Kow		Remark No data	available	Value	Temperature	Value determination
Log Kow Method		Remark No data	available	Value	Temperature	Value determination
Log Kow Method istillates (petroleum		Remark No data eated light p	available paraffinic	Value Value	Temperature  Temperature	Value determination  Value determination
Log Kow Method istillates (petroleum Log Kow Method		Remark No data eated light p	available paraffinic			
Log Kow Method istillates (petroleum Log Kow Method yrithione zinc	ı), hydrotre	Remark No data eated light p Remark No data	available paraffinic			
Log Kow  Method  istillates (petroleum  Log Kow  Method  yrithione zinc  BCF other aquatic of	n), hydrotre	Remark No data eated light p Remark No data	available paraffinic available	Value	Temperature	Value determination
Log Kow  Method  istillates (petroleum  Log Kow  Method  yrithione zinc  BCF other aquatic of  Parameter	organisms Method	Remark No data eated light   Remark No data	available paraffinic available Value	Value Duration	Temperature Species	Value determination  Value determination
Log Kow  Method  istillates (petroleum  Log Kow  Method  yrithione zinc  BCF other aquatic of  Parameter  BCF	n), hydrotre	Remark No data eated light   Remark No data	available paraffinic available	Value	Temperature	Value determination
Log Kow  Method Log Kow Method  Writhione zinc BCF other aquatic of Parameter BCF Log Kow	organisms Method	Remark No data eated light p Remark No data	available paraffinic available Value	Value  Duration 30 day(s)	Temperature  Species Crassostrea sp.	Value determination  Value determination  Experimental value
Log Kow  Method Log Kow Method  yrithione zinc BCF other aquatic of Parameter BCF Log Kow Method	organisms Method	Remark No data eated light   Remark No data	available paraffinic available Value	Value  Duration 30 day(s)  Value	Temperature  Species Crassostrea sp.  Temperature	Value determination  Value determination  Experimental value  Value determination
Log Kow  Method Log Kow Method  Method  Servithione zinc BCF other aquatic contained approximately a	organisms Method	Remark No data eated light p Remark No data	available paraffinic available Value	Value  Duration 30 day(s)	Temperature  Species Crassostrea sp.	Value determination  Value determination  Experimental value
Log Kow  Method Log Kow Method  writhione zinc BCF other aquatic of Parameter BCF Log Kow Method OECD 107 Inclusion	organisms Method OECD 3	Remark No data eated light p Remark No data 05 Remark	available paraffinic available Value	Value  Duration 30 day(s)  Value	Temperature  Species Crassostrea sp.  Temperature	Value determination  Value determination  Experimental value  Value determination
Log Kow  Method Log Kow Method  Method  Servithione zinc BCF other aquatic contained approximately a	organisms Method OECD 3	Remark No data eated light p Remark No data 05 Remark	available paraffinic available Value	Value  Duration 30 day(s)  Value	Temperature  Species Crassostrea sp.  Temperature	Value determination  Value determination  Experimental value  Value determination
Log Kow  Method Log Kow Method  BCF other aquatic of Parameter BCF BCF Log Kow Method  DECD 107  Conclusion  Ontains bioaccumula	organisms Method OECD 30	Remark No data eated light p Remark No data 05 Remark	available paraffinic available Value	Value  Duration 30 day(s)  Value	Temperature  Species Crassostrea sp.  Temperature	Value determination  Value determination  Experimental value  Value determination
Log Kow  Method  istillates (petroleum Log Kow  Method  Parameter BCF BCF Log Kow  Method  OECD 107  Colusion  ontains bioaccumula  4. Mobility in s	organisms Method OECD 3	Remark No data eated light p Remark No data 05 Remark	available paraffinic available Value	Value  Duration 30 day(s)  Value	Temperature  Species Crassostrea sp.  Temperature	Value determination  Value determination  Experimental value  Value determination
Log Kow  Method  Log Kow  Method  Writhione zinc  BCF other aquatic of Parameter  BCF  Log Kow  Method  OECD 107  Inclusion  Ontains bioaccumula  A. Mobility in Simethoxyvinylsilane	organisms Method OECD 3	Remark No data eated light p Remark No data 05 Remark	available paraffinic available Value	Value  Duration 30 day(s)  Value	Temperature  Species Crassostrea sp.  Temperature	Value determination  Value determination  Experimental value  Value determination
Log Kow  Method  istillates (petroleum Log Kow  Method  Parameter BCF BCF Log Kow  Method  OECD 107  Colusion  ontains bioaccumula  4. Mobility in s	organisms Method OECD 3	Remark No data eated light p Remark No data 05 Remark	available paraffinic available Value	Value  Duration 30 day(s)  Value	Temperature  Species Crassostrea sp.  Temperature	Value determination  Value determination  Experimental value  Value determination
Log Kow  Method  istillates (petroleum Log Kow  Method  Parameter BCF Log Kow  Method  OECD 107  Colusion  ontains bioaccumula  4. Mobility in s imethoxyvinylsilane (log) Koc	organisms Method OECD 3	Remark No data eated light p Remark No data 05 Remark	available paraffinic available Value	Value  Duration 30 day(s)  Value 0.9	Temperature  Species Crassostrea sp.  Temperature 25 °C	Value determination  Value determination  Experimental value  Value determination  Experimental value
Log Kow  Method  Log Kow  Method  Log Kow  Method  Parameter  BCF  Log Kow  Method  OECD 107  Clusion  Ontains bioaccumula  A. Mobility in stimethoxyvinylsilane  (log) Koc  Parameter	organisms Method OECD 3	Remark No data Remark No data Remark No data Remark No data	available paraffinic available Value	Value  Duration 30 day(s)  Value 0.9	Temperature  Species Crassostrea sp.  Temperature 25 °C	Value determination  Value determination  Experimental value  Value determination  Experimental value  Value determination
Log Kow  Method  istillates (petroleum Log Kow  Method  Parameter BCF Log Kow  Method  OECD 107  Colusion  ontains bioaccumula  4. Mobility in s imethoxyvinylsilane (log) Koc	organisms Method OECD 3	Remark No data Remark No data Remark No data Remark No data	available paraffinic available Value	Value  Duration 30 day(s)  Value 0.9	Temperature  Species Crassostrea sp.  Temperature 25 °C	Value determination  Value determination  Experimental value  Value determination  Experimental value  Value determination
Log Kow  Method  Log Kow  Method  Log Kow  Method  Writhione zinc  BCF other aquatic of Parameter  BCF  Log Kow  Method  OECD 107  Inclusion  Ontains bioaccumula  A. Mobility in stimethoxyvinyIsilane (log) Koc  Parameter  Volatility (Henry's I	organisms Method OECD 3	Remark No data Remark No data Remark No data Remark O5 Remark Donnent(s)	available paraffinic available Value	Value  Duration 30 day(s)  Value 0.9  Method	Temperature  Species Crassostrea sp.  Temperature 25 °C	Value determination  Value determination  Experimental value  Value determination  Experimental value  Value determination  Data waiving

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#### bis(1,2,2,6,6-pentamethyl-4-piperidyl) [[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]methyl]butylmalonate

(log) Koc

\ _ J/			
Parameter	Method	Value	Value determination
log Koc	SRC PCKOCWIN v2.0	3.04 - 8.1	Calculated value

#### pyrithione zinc

(log) Koc

Parameter	Method	Value	Value determination
Кос	OECD 106	1700 - 25000	Experimental value
log Koc		3.2 - 4.4	Calculated value

Volatility (Henry's Law constant H)

Value	Method	Temperature	Remark	Value determination
< 0.5E-4 Pa.m³/mol				Calculated value

#### Conclusion

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

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

Does not contain component(s) that meet(s) the criteria of PBT and/or vPvB as listed in Annex XIII of Regulation (EC) No 1907/2006.

#### 12.6. Other adverse effects

4Trade Instant Grab Adhesive White

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)

#### 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

Depending on branch of industry and production process, also other waste codes may be applicable.

#### 13.1.2 Disposal methods

Recycle/reuse. 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

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)	
14.1. UN number	
Transport	Not subject
14.2. UN proper shipping name	inot subject
14.3. Transport hazard class(es)	
Hazard identification number	
Class	
Classification code	
14.4. Packing group	
Packing group	
Labels	
14.5. Environmental hazards	
Environmentally hazardous substance mark	no
14.6. Special precautions for user	
Special provisions	
Limited quantities	
Rail (RID)	
14.1. UN number	
	Netsubject
Transport	Not subject
14.2. UN proper shipping name 14.3. Transport hazard class(es)	
Hazard identification number	
Class	
Classification code	
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14.4. Packing group	
Packing group	
Labels	
14.5. Environmental hazards	
Environmentally hazardous substance mark	no
14.6. Special precautions for user	110
Special previsions	
Limited quantities	
Limited quantities	
land waterways (ADN)	
Transport	Not subject
14.2. UN proper shipping name	wot subject
14.3. Transport hazard class(es)	
Class	
Classification code	
14.4. Packing group	
Packing group	
Labels	
14.5. Environmental hazards	
Environmentally hazardous substance mark	no
14.6. Special precautions for user	
Special provisions	
Limited quantities	
ea (IMDG/IMSBC)	
14.1. UN number	
Transport	Not subject
14.2. UN proper shipping name	NOT SUBJECT
14.3. Transport hazard class(es)	
Class	
14.4. Packing group	
Packing group	
Labels	
14.5. Environmental hazards	
Marine pollutant	
Environmentally hazardo <mark>us substance mark</mark>	no
14.6. Special precautions for user	
Special provisions	
Limited quantities	
14.7. Transport in bulk according to Annex II of Marpol and the IBC C Annex II of MARPOL 73/78	ode
ir (ICAO-TI/IATA-DGR) 14.1. UN number	
Transport	Not subject
14.2. UN proper shipping name	
14.3. Transport hazard class(es)	
Class	
14.4. Packing group	
Packing group	
Labels	
14.5. Environmental hazards	
	no
Environmentally hazardous substance mark	no
14.6. Special precautions for user	
Special provisions	
Passenger and cargo tran <mark>sport: limited quantities: maximum n</mark> et per packaging	quantity
ION 15: Regulatory information	
TION 15: Regulatory information	
5.1 Safety health and environmental regulations/logic	slation specific for the substance or mixture
5. 1. Safety, fiearth and environmental regulations/legis	
European legislation:	
European legislation:  VOC content Directive 2010/75/EU	Remark
European legislation:  VOC content Directive 2010/75/EU  VOC content	Remark
European legislation:  VOC content Directive 2010/75/EU  VOC content  < 4.5 %	Remark
European legislation:  VOC content Directive 2010/75/EU  VOC content  < 4.5 %  < 63 g/l	Remark
European legislation:  VOC content Directive 2010/75/EU  VOC content  < 4.5 %	Remark
European legislation:  VOC content Directive 2010/75/EU  VOC content  < 4.5 %  < 63 g/l  European drinking water standards (Directive 98/83/EC)	
European legislation:  VOC content Directive 2010/75/EU  VOC content  < 4.5 %  < 63 g/l	Publication date: 2015-06-24
European legislation:  VOC content Directive 2010/75/EU  VOC content  < 4.5 %  < 63 g/l  European drinking water standards (Directive 98/83/EC)	

# pyrithione zinc Parameter Parametric value Note Reference Pesticides 0,1 μg/l Listed in Annex I, Part B, of Directive 98/83/EC on the quality of water intended for human consumption. Pesticides — Total 0,5 μg/l Listed in Annex I, Part B, of Directive 98/83/EC on the quality of water intended for human consumption.

#### REACH Annex XVII - Restriction

Contains component(s) subject to restrictions of Annex XVII of Regulation (EC) No 1907/2006: restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles.

- trimethoxyvinylsilane - dioctylbis(pentane-2,4-dionato-0,0')tin  Liquid substances or mixtures which are regarded as dangerous in accordance with Directive 1999/45/EC or are fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008:  (a) 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 describe the dioctylbis(pentane-2,4-dionato-0,0')tin  1. Shall not be used in:  — ornamental articles intended to produce light or colour effects by means phases, for example in ornamental lamps and ashtrays,  — tricks and jokes, — games for one or more participants, or any article intended to be used as ornamental aspects, 2. Articles not complying with paragraph 1 shall not be placed on the market if they contain a colouring agent required for fiscal reasons, or perfume, or both, if they: — can be used in: — ornamental articles intended to produce light or colour effects by means phases, for example in ornamental lamps and ashtrays, — tricks and jokes, — games for one or more participants, or any article intended to be used as ornamental aspects, 2. Articles not complying with paragraph 1 shall not be placed on the market if they contain a colouring agent required for fiscal reasons, or perfume, or both, if they: — can be used in:	
Directive 1999/45/EC or are fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008:  (EC) No 1272/2008:  (a) 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 required for fiscal reasons, or perfume, or both, if they:	
criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008:  (a) 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  — tricks and jokes, — games for one or more participants, or any article intended to be used as ornamental aspects, 2. Articles not complying with paragraph 1 shall not be placed on the market if they contain a colouring agent required for fiscal reasons, or perfume, or both, if they:	of different
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(EC) No 1272/2008:  (a) 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 required for fiscal reasons, or perfume, or both, if they:	
(a) hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 market.3. Shall not be placed on the market if they contain a colouring agentypes A and B, 2.9, 2.10, 2.12, 2.13 categories 1 required for fiscal reasons, or perfume, or both, if they:	such, even v
types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 required for fiscal reasons, or perfume, or both, if they:	olaced on th
	t, unless
and 2, 2.14 categories 1 and 2, 2.15 types A to — can be used as fuel in decorative oil lamps for supply to the general public	
	c, and,
F; — present an aspiration hazard and are labelled with R65 or H304,4. Decora	
(b) hazard classes 3.1 to 3.6, 3.7 adverse for supply to the general public shall not be placed on the market unless the	y conform to
effects on sexual function and fertility or on the European Standard on Decorative oil lamps (EN 14059) adopted by the E	uropean
development, 3.8 effects other than narcotic Committee for Standardisation (CEN).5. Without prejudice to the implement	tation of oth
effects, 3.9 and 3.10; Community provisions relating to the classification, packaging and labelling of	of dangerous
(c) hazard class 4.1; substances and mixtures, suppliers shall ensure, before the placing on the m	arket, that t
(d) hazard class 5.1. following requirements are met:	
a) lamp oils, labelled with R65 or H304, intended for supply to the general pu	ublic are visi
legibly and indelibly marked as follows: "Keep lamps filled with this liquid ou	t of the read
children"; and, by 1 December 2010, "Just a sip of lamp oil — or even suckin	g the wick o
lamps — may lead to life- threatening lung damage";	
b) grill lighter fluids, labelled with R65 or H304, intended for supply to the ge	neral public
legibly and indelibly marked by 1 December 2010 as follows: "Just a sip of gr	ill lighter ma
lead to life threatening lung damage";	
c) lamp oils and grill lighters, labelled with R65 or H304, intended for supply	to the gene
public are packaged in black opaque containers not exceeding 1 litre by 1 De	
No later than 1 June 2014, the Commission shall request the European Chen	nicals Agenc
prepare a dossier, in accordance with Article 69 of the present Regulation wi	ith a view to
ban, if appropriate, grill lighter fluids and fuel for decorative lamps, labelled	
intended for supply to the general public.7. Natural or legal persons placing	on the mark
for the first time lamp oils and grill lighter fluids, labelled with R65 or H304, s	shall by 1
December 2011, and annually thereafter, provide data on alternatives to lan	np oils and g
lighter fluids labelled R65 or H304 to the competent authority in the Membe	er State
concerned. Member States shall make those data available to the Commissi	on.'
dioctylbis(pentane-2,4-dionato-0,0')tin Organostannic compounds 1. Shall not be placed on the market, or used, as substances or in mixtures w	here the
substance or mixture is acting as biocide in free association paint.2. Shall not	t be placed o
the market, or used, as substances or in mixtures where the substance or mi	ixture acts a
biocide to prevent the fouling by micro-organisms, plants or animals of:	
(a) all craft irrespective of their length intended for use in marine, coastal, es	tuarine and
inland waterways and lakes;	
(b) cages, floats, nets and any other appliances or equipment used for fish or	r shellfish
farming;	
(c) any totally or partly submerged appliance or equipment.3. Shall not be pl	aced on the
market, or used, as substances or in mixtures where the substance or mixtur	re is intende
for use in the treatment of industrial waters.4. Tri-substituted organostannic	unds and
for use in the treatment of industrial waters. 4. Tri-substituted organostannic a) Tri-substituted organostannic compounds such as tributyltin (TBT) compo	
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			articles for supply to, or use by, the general public, where the concentration in the article, or part thereof, is greater than the equivalent of 0,1 % by weight of tin:  — textile articles intended to come into contact with the skin,  — gloves,  — footwear or part of footwear intended to come into contact with the skin,
			— wall and floor coverings,  — childcare articles,  — female hygiene products,
			nappies,     two-component room temperature vulcanisation moulding kits (RTV-2 moulding kits).
			(b) Articles not complying with point (a) shall not be placed on the market after 1 January 2012, except for articles that were already in use in the Community before that date.
· trimethoxyvinylsilane		Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to that Regulation or not.	1. Shall not be used, as substance or as mixtures in aerosol dispensers where these aerosol dispensers are intended for supply to the general public for entertainment and decorative purposes such as the following:  — metallic glitter intended mainly for decoration,  — artificial snow and frost,  — "whoopee" cushions,  — silly string aerosols,  — imitation excrement,  — horns for parties,  — 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	1		
4Trade Instant Grab Adh	Ī	<u>hite</u>	
No data available			
dioctylbis(pentane-2,4-d	ionato-(		tion de l'agent, via la peau, les muqueuses ou les yeux, constitue une partie
Résorption peau			résorption peut se faire tant par contact direct que par présence de l'agent dans
National legislation The Net	herland	<u>ls</u>	
4Trade Instant Grab Adh			
Waste identification (tl Netherlands) Waterbezwaarlijkheid	he	LWCA (the Netherlands): KGA category (	)5
distillates (petroleum), h	ydrotrea	ated light paraffinic	
SZW - List of carcinoge	nic	L <mark>isted in SZW-list of carcinoge</mark> nic substar	nces
substances SZW - List of mutagenio	r	Listed in SZW-list of mutagenic substance	2
substances		and a second substante	
National legislation France			
4Trade Instant Grab Adh No data available	esive W	<u>hite</u>	
National legislation German			
4Trade Instant Grab Adh WGK			n the components in compliance with Verwaltungsvorschrift wassergefährdender
		Stoffe (VwVwS) of 27 July 2005 (Anhang	
trimethoxyvinylsilane		r 2 r	
TA-Luft bis(1.2.2.6.6-pentamethy		5.2.5 eridyl) [[3,5-bis(1,1-dimethylethyl)-4-hydi	roxyphenyllmethyllhutylmalonate
TA-Luft		5.2.1	- Angelong International Control of the Control of
dioctylbis(pentane-2,4-d			
Schwangerschaft Grup		D	washash) O.4 wa (w.3 ale Carbany burning
MAK 8-Stunden-Mittel mg/m³		Zinnverbindungen, organische (als Sn be gemessen als einatembare Fraktion (vgl.	,. S
TA-Luft		5.2.5	
pyrithione zinc			
TA-Luft		5.2.1	
National legislation United I			
<u>4Trade Instant Grab Adh</u> No data available	esive W	<u>nite</u>	
dioctylbis(pentane-2,4-d	ionato-0	O.O')tin	
Skin absorption		Sk	
oasan far rovisian: 2			Publication data 2015 06 24
eason for revision: 3			Publication date: 2015-06-24
			Date of revision: 2016-04-12

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#### Other relevant data

4Trade Instant Grab Adhesive White

No data available

dioctylbis(pentane-2,4-dionato-0,0')tin

TLV - Carcinogen		Tin organic compounds, as Sn; A4				
Skin absorption		Skin; Danger of cutaneous absorption				
distillates (petroleum), h <mark>ydrotreated light paraffinic</mark>						
TLV - Carcinogen		Mineral oil, poorly and mildly refined; A2				

#### 15.2. Chemical safety assessment

No chemical safety assessment is required.

#### SECTION 16: Other information

#### Full text of any H-statements referred to under headings 2 and 3:

H226 Flammable liquid and vapour.

H301 Toxic if swallowed.

H302 Harmful if swallowed.

H304 May be fatal if swallowed and enters airways.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H332 Harmful if inhaled.

H371 May cause damage to organs (immune system) if swallowed.

H372 Causes damage to organs through prolonged or repeated exposure.

H373 May cause damage to organs through prolonged or repeated exposure if swallowed.

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.

(\*) = INTERNAL CLASSIFICATION BY BIG

PBT-substances = persistent, bioaccumulative and toxic substances

CLP (EU-GHS) Classification, labelling and packaging (Globally Harmonised System in Europe)

#### M-factor

bis(1,2,2,6,6-pentamethyl-4-piperidyl) [[3,5-bis(1,1-	10	Chronic	ECHA
dimethylethyl)-4-hydroxy <mark>phenyl]methyl]butylmalonate</mark>			
pyrithione zinc	10	Acute	Customer information THOR (2014-10-27)

#### Specific concentration limits CLP

dioctylbis(pentane-2.4-d	ionato-O.O')tin	C > 5 %	Skin Sens. 1: H317	TIB Chemicals

The information in this safety data sheet is based on data and samples provided to BIG. The sheet was written to the best of our ability and according to the state of knowledge at that time. The safety data sheet only constitutes a guideline for the safe handling, use, consumption, storage, transport and disposal of the substances/preparations/mixtures mentioned under point 1. New safety data sheets are written from time to time. Only the most recent versions may be used. Old versions must be destroyed. Unless indicated otherwise word for word on the safety data sheet, the information does not apply to substances/preparations/mixtures in purer form, mixed with other substances or in processes. The safety data sheet offers no quality specification for the substances/preparations/mixtures in question. Compliance with the instructions in this safety data sheet does not release the user from the obligation to take all measures dictated by common sense, regulations and recommendations or which are necessary and/or useful based on the real applicable circumstances. BIG does not guarantee the accuracy or exhaustiveness of the information provided and cannot be held liable for any changes by third parties. This safety data sheet is only to be used within the European Union, Switzerland, Iceland, Norway and Liechtenstein. Any use outside of this area is at your own risk. Use of this safety data sheet is subject to the licence and liability limiting conditions as stated in your BIG licence agreement or when this is failing the general conditions of BIG. All intellectual property rights to this sheet are the property of BIG and its distribution and reproduction are limited. Consult the mentioned agreement/conditions for details.

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