

SAFETY DATA SHEET

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

Fix All High Tack

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

1.1. Product identifier

Product name : Fix All High Tack 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

Class	Category	Hazard statements
Aquatic 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

Harmful to aquatic life with long lasting effects.

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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Reason for revision: 3

Revision number: 0101

Publication date: 2015-06-24

Date of revision: 2016-04-12

Product number: 56086 1/17

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	0.01% <c<0.1 %</c<0.1 	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

Tinverbindingen (organisch)(als Sn)

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

Belgiu	ım		
Etain	(composés organiq	ues de)	(en Sn)

(/ \ /		- 0/
		Short time value	0.2 mg/m ³
Huiles minérales (brouill	ards)	Time-weighted average exposure limit 8 h	5 mg/m³
		Short time value	10 mg/m ³
The Netherlands			
Olienevel (minerale olie)		Time-weighted average exposure limit 8 h (Public occupational exposure limit value)	5 mg/m³

Time-weighted average exposure limit 8 h

Time-weighted average exposure limit 8 h (Private occupational

Short time value (Private occupational exposure limit value)

 $0.1 \,\mathrm{mg/m^3}$

0.1 mg/m³

0.2 mg/m³

riance						
Etain (composés organiq	ues d'), en Sn	Time-weighted av	erage exposure lim	it 8 h (VL: Valeu	r non	0.1 mg/m³
		réglementaire indi	cative)			1

exposure limit value)

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	en Sn	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Valeur non réglementaire indicat	ive) 0.2 mg/m
UK				
Tin compounds, organic, <mark>except</mark>	Cyhexatin (ISO), (as Sn)		ge exposure limit 8 h (Workplace	exposure limit 0.1 mg/m
		(EH40/2005))		
		Short time value (Wo	rkplace exposure limit (EH40/200	05)) 0.2 mg/m
USA (TLV-ACGIH)				
Tin organic compounds, as Sn		Time-weighted avera	ge exposure limit 8 h (TLV - Adop	ted Value) 0.1 mg/m
. д.		Short time value (TLV		0.2 mg/m
b) National biological limit value	ς		,	, <u>., ., ., ., ., ., ., ., ., ., ., ., ., .</u>
If limit values are applicable and		below.		
2 Sampling methods				
If applicable and available it will	be listed below.			
Oil Mist (Mineral)		NIOSH	5026	
3 Applicable limit values when	using the substance or mixtur	re as intended		
If limit values are applica <mark>ble and</mark>	available these will be listed by	below.		
4 DNEL/PNEC values				
DNEL/DMEL - Workers				
trimethoxyvinylsilane				
Effect level (DNEL/DMEL)	Туре		Value	Remark
DNEL	Long-term systemic effe		4.9 mg/m ³	
	Long-term systemic effe		0.69 mg/kg bw/day	
bis(1,2,2,6,6-pentamethyl-4-pip		thyl)-4-hydroxyphenyl]		D 1
Effect level (DNEL/DMEL)	Туре		Value	Remark
DNEL	Long-term systemic effe		0.05 mg/m³	
diactulhis/pontone 2.4 diameter	Long-term systemic effe	ects dermal	0.07 mg/kg bw/day	
dioctylbis(pentane-2,4-dionato- Effect level (DNEL/DMEL)	Type		Value	Remark
DNEL	, J1	ets inhalation		Remark
DIVEL	Long-term systemic effe		84 mg/m³ 84 mg/m³	
	Acute systemic effects inhalation Long-term local effects inhalation		0.091 mg/m ³	
	Long-term systemic effe		0.07 mg/kg bw/day	
pyrithione zinc	Long-term systemic ene	cts definal	0.07 mg/kg bw/day	
Effect level (DINEL/DIVIEL)	Tvne		Value	Remark
Effect level (DNEL/DMEL)	Type	ate de muel	Value	Remark
DNEL	Long-term systemic effe	ects dermal	Value 0.01 mg/kg bw/day	Remark
DNEL DNEL/DMEL - General population	Long-term systemic effe	ects dermal		Remark
DNEL DNEL/DMEL - General population	Long-term systemic effe	ects dermal	0.01 mg/kg bw/day	
DNEL DNEL/DMEL - General population trimethoxyvinylsilane Effect level (DNEL/DMEL)	Long-term systemic effe		0.01 mg/kg bw/day Value	Remark Remark
DNEL DNEL/DMEL - General population	Long-term systemic effection Type Long-term systemic effection	ects inhalation	0.01 mg/kg bw/day Value 1.04 mg/m³	
DNEL DNEL/DMEL - General population trimethoxyvinylsilane Effect level (DNEL/DMEL)	Long-term systemic effection Type Long-term systemic effects in	ects inhalation nhalation	0.01 mg/kg bw/day Value 1.04 mg/m³ 93.4 mg/m³ day	
DNEL DNEL/DMEL - General population trimethoxyvinylsilane Effect level (DNEL/DMEL)	Long-term systemic effection Type Long-term systemic effects in Acute systemic effects of Acut	ects inhalation nhalation Jermal	0.01 mg/kg bw/day Value 1.04 mg/m³ 93.4 mg/m³ day 0.3 mg/kg bw/day	
DNEL DNEL/DMEL - General population trimethoxyvinylsilane Effect level (DNEL/DMEL)	Long-term systemic effector Type Long-term systemic effects in Acute systemic effects of	ects inhalation nhalation dermal dermal	Value 1.04 mg/m³ 93.4 mg/m³ day 0.3 mg/kg bw/day 26.9 mg/kg bw/day	
DNEL DNEL/DMEL - General population trimethoxyvinylsilane Effect level (DNEL/DMEL) DNEL	Long-term systemic effection Type Long-term systemic effects in Acute systemic effects of Acute systemic effects of Acute systemic effects of Long-term sy	ects inhalation nhalation dermal dermal ects oral	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	
DNEL DNEL/DMEL - General population trimethoxyvinylsilane Effect level (DNEL/DMEL)	Long-term systemic effection Type Long-term systemic effects in Acute systemic effects of Acute systemic effects of Acute systemic effects of Long-term sy	ects inhalation nhalation dermal dermal ects oral	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	
DNEL DNEL/DMEL - General population trimethoxyvinylsilane Effect level (DNEL/DMEL) DNEL bis(1,2,2,6,6-pentamethyl-4-pip	Long-term systemic effection Type Long-term systemic effects in Acute systemic effects of Acute systemic effects of Acute systemic effects of Long-term systemic effects of Long-term systemic effection [13,5-bis(1,1-dimethylesetics]]	ects inhalation nhalation dermal dermal ects oral thyl)-4-hydroxyphenyl]	Value 1.04 mg/kg bw/day 93.4 mg/m³ day 0.3 mg/kg bw/day 26.9 mg/kg bw/day 0.3 mg/kg bw/day Walue	Remark
DNEL DNEL/DMEL - General population trimethoxyvinylsilane Effect level (DNEL/DMEL) DNEL bis(1,2,2,6,6-pentamethyl-4-pip) Effect level (DNEL/DMEL)	Long-term systemic effector Type Long-term systemic effects in Acute systemic effects of Acute systemic effects of Acute systemic effects of Long-term systemic effective (I) [[3,5-bis(1,1-dimethyle Type Long-term systemic effectors of Long-term systemi	ects inhalation nhalation dermal dermal ects oral thyl)-4-hydroxyphenyl] ects inhalation	Value 1.04 mg/kg bw/day 93.4 mg/m³ day 0.3 mg/kg bw/day 26.9 mg/kg bw/day 0.3 mg/kg bw/day	Remark
DNEL DNEL/DMEL - General population trimethoxyvinylsilane Effect level (DNEL/DMEL) DNEL bis(1,2,2,6,6-pentamethyl-4-pip) Effect level (DNEL/DMEL)	Long-term systemic effection Type Long-term systemic effects in Acute systemic effects of Acute systemic effects of Acute systemic effects of Long-term systemic effects of Long-term systemic effection [13,5-bis(1,1-dimethylesetics]]	ects inhalation nhalation dermal dermal ects oral thyl)-4-hydroxyphenyl] ects inhalation ects dermal	Value 1.04 mg/kg bw/day 93.4 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 Walue 0.01 mg/m³	Remark
DNEL DNEL/DMEL - General population trimethoxyvinylsilane Effect level (DNEL/DMEL) DNEL bis(1,2,2,6,6-pentamethyl-4-pip) Effect level (DNEL/DMEL)	Long-term systemic effector Type Long-term systemic effects in Acute systemic effects of Acute systemic effects of Acute systemic effects of Long-term systemic effective (I) [[3,5-bis(1,1-dimethyle Type Long-term systemic effectory to Long-term systemi	ects inhalation nhalation dermal dermal ects oral thyl)-4-hydroxyphenyl] ects inhalation ects dermal	Value 1.04 mg/kg bw/day 93.4 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 Walue 0.01 mg/m³ 33 µg/kg bw/day	Remark
DNEL DNEL/DMEL - General population trimethoxyvinylsilane Effect level (DNEL/DMEL) DNEL bis(1,2,2,6,6-pentamethyl-4-pip Effect level (DNEL/DMEL) DNEL	Long-term systemic effector Type Long-term systemic effects in Acute systemic effects of Acute systemic effects of Acute systemic effects of Long-term systemic effective (I) [[3,5-bis(1,1-dimethyle Type Long-term systemic effectory to Long-term systemi	ects inhalation nhalation dermal dermal ects oral thyl)-4-hydroxyphenyl] ects inhalation ects dermal	Value 1.04 mg/kg bw/day 93.4 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 Walue 0.01 mg/m³ 33 µg/kg bw/day	Remark
DNEL DNEL/DMEL - General population trimethoxyvinylsilane Effect level (DNEL/DMEL) DNEL bis(1,2,2,6,6-pentamethyl-4-pip) Effect level (DNEL/DMEL) DNEL PNEC	Long-term systemic effector Type Long-term systemic effects in Acute systemic effects of Acute systemic effects of Acute systemic effects of Long-term systemic effective (I) [[3,5-bis(1,1-dimethyle Type Long-term systemic effectory to Long-term systemi	ects inhalation nhalation dermal dermal ects oral thyl)-4-hydroxyphenyl] ects inhalation ects dermal	Value 1.04 mg/kg bw/day 93.4 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 Walue 0.01 mg/m³ 33 µg/kg bw/day	Remark
DNEL DNEL/DMEL - General population trimethoxyvinylsilane Effect level (DNEL/DMEL) DNEL bis(1,2,2,6,6-pentamethyl-4-pip Effect level (DNEL/DMEL) DNEL PNEC trimethoxyvinylsilane	Long-term systemic effector Type Long-term systemic effects in Acute systemic effects of Acute systemic effects of Long-term systemic effects of Long-term systemic effect of Long-term systemic effect of Long-term systemic effect of Long-term systemic effect of Long-term systemic effect	ects inhalation nhalation dermal dermal ects oral thyl)-4-hydroxyphenyl] ects inhalation ects dermal ects oral	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 Walue 0.01 mg/m³ 33 µg/kg bw/day 3 µg/kg bw/day	Remark
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DNEL DNEL/DMEL - General population trimethoxyvinylsilane Effect level (DNEL/DMEL) DNEL bis(1,2,2,6,6-pentamethyl-4-pip Effect level (DNEL/DMEL) DNEL PNEC trimethoxyvinylsilane Compartments Fresh water Marine water Aqua (intermittent releases) STP Fresh water sediment Marine water sediment Marine water sediment Soil bis(1,2,2,6,6-pentamethyl-4-pip)	Long-term systemic effector Type Long-term systemic effects in Acute systemic effects of Acute systemic effects of Acute systemic effects of Long-term systemic effect of Long-term systemic	ects inhalation nhalation dermal dermal ects oral thyl)-4-hydroxyphenyll ects inhalation ects dermal ects oral ects oral g/l // // // // // // // // // // // // /	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 wethyl]butylmalonate Value 0.01 mg/m³ 33 µg/kg bw/day 3 µg/kg bw/day Remark Remark	Remark
DNEL DNEL/DMEL - General population trimethoxyvinylsilane Effect level (DNEL/DMEL) DNEL bis(1,2,2,6,6-pentamethyl-4-pip Effect level (DNEL/DMEL) DNEL PNEC trimethoxyvinylsilane Compartments Fresh water Marine water Aqua (intermittent releases) STP Fresh water sediment Marine water sediment Marine water sediment Soil bis(1,2,2,6,6-pentamethyl-4-pip Compartments	Long-term systemic effector Type Long-term systemic effects in Acute systemic effects of Acute systemic effects of Acute systemic effects of Long-term systemic effects of Long-term systemic effect of Long-term systemi	ects inhalation nhalation dermal dermal ects oral thyl)-4-hydroxyphenyll ects inhalation ects dermal ects oral ects oral g/l // // // // // // // // // // // // /	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 wethyl]butylmalonate Value 0.01 mg/m³ 33 µg/kg bw/day 3 µg/kg bw/day Remark Remark	Remark
DNEL DNEL/DMEL - General population trimethoxyvinylsilane Effect level (DNEL/DMEL) DNEL bis(1,2,2,6,6-pentamethyl-4-pip) Effect level (DNEL/DMEL) DNEL PNEC trimethoxyvinylsilane Compartments Fresh water Marine water Aqua (intermittent releases) STP Fresh water sediment Marine water sediment Marine water sediment Soil bis(1,2,2,6,6-pentamethyl-4-pip) Compartments Fresh water	Long-term systemic effector Type Long-term systemic effects in Acute systemic effects of Acute systemic effects of Acute systemic effects of Long-term systemic effects of Long-term systemic effect of Long-term systemi	ects inhalation inhalation dermal dermal dermal ects oral ects inhalation ects dermal ects dermal ects oral ects dermal ects dermal ects dermal ects dermal ects oral	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 wethyl]butylmalonate Value 0.01 mg/m³ 33 µg/kg bw/day 3 µg/kg bw/day Remark Remark	Remark
DNEL DNEL/DMEL - General population trimethoxyvinylsilane Effect level (DNEL/DMEL) DNEL bis(1,2,2,6,6-pentamethyl-4-pip) Effect level (DNEL/DMEL) DNEL PNEC trimethoxyvinylsilane Compartments Fresh water Marine water Aqua (intermittent releases) STP Fresh water sediment Marine water sediment Marine water sediment Soil bis(1,2,2,6,6-pentamethyl-4-pip) Compartments Fresh water Marine water Marine water	Long-term systemic effector Type Long-term systemic effects of Acute systemic effects of Acute systemic effects of Acute systemic effects of Long-term systemic effects of Long-term systemic effect of Long-term systemi	ects inhalation inhalation dermal dermal dermal ects oral ects inhalation ects dermal ects dermal ects oral ects dermal ects dermal ects dermal ects dermal ects oral	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 wethyl]butylmalonate Value 0.01 mg/m³ 33 µg/kg bw/day 3 µg/kg bw/day Remark Remark	Remark
DNEL DNEL/DMEL - General population trimethoxyvinylsilane Effect level (DNEL/DMEL) DNEL DISI(1,2,2,6,6-pentamethyl-4-pipeffect level (DNEL/DMEL) DNEL Effect level (DNEL/DMEL) DNEL PNEC trimethoxyvinylsilane Compartments Fresh water Marine water Aqua (intermittent releases) STP Fresh water sediment Marine water sediment Marine water sediment Soil bis(1,2,2,6,6-pentamethyl-4-pipedompartments) Fresh water Marine water Marine water Marine water Aqua (intermittent releases)	Long-term systemic effects on	ects inhalation inhalation dermal dermal dermal ects oral ects inhalation ects dermal ects dermal ects oral ects dermal ects dermal ects dermal ects dermal ects oral	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 wethyl]butylmalonate Value 0.01 mg/m³ 33 µg/kg bw/day 3 µg/kg bw/day Remark Remark	Remark
DNEL DNEL/DMEL - General population trimethoxyvinylsilane Effect level (DNEL/DMEL) DNEL bis(1,2,2,6,6-pentamethyl-4-pipeffect level (DNEL/DMEL) DNEL PNEC trimethoxyvinylsilane Compartments Fresh water Marine water Aqua (intermittent releases) STP Fresh water sediment Marine water sediment Soil bis(1,2,2,6,6-pentamethyl-4-pipedompartments) Fresh water Compartments Fresh water sediment Marine water sediment Marine water sediment Soil bis(1,2,2,6,6-pentamethyl-4-pipedompartments) Fresh water Marine water Aqua (intermittent releases) STP	Long-term systemic effector Type Long-term systemic effects in Acute systemic effects of Acute systemic effects of Acute systemic effects of Long-term systemic effects of Long-term systemic effect of Long-term systemi	ects inhalation Inhalation Idermal Idermal Idermal Iderts oral Ithyl)-4-hydroxyphenyll Iderts oral Idents oral Ide	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 wethyl]butylmalonate Value 0.01 mg/m³ 33 µg/kg bw/day 3 µg/kg bw/day Remark Remark	Remark
DNEL DNEL/DMEL - General population trimethoxyvinylsilane Effect level (DNEL/DMEL) DNEL bis(1,2,2,6,6-pentamethyl-4-pipeffect level (DNEL/DMEL) DNEL PNEC trimethoxyvinylsilane Compartments Fresh water Marine water Aqua (intermittent releases) STP Fresh water sediment Marine water sediment Soil bis(1,2,2,6,6-pentamethyl-4-pipedompartments) Fresh water Marine water sediment Marine water sediment Soil bis(1,2,2,6,6-pentamethyl-4-pipedompartments) Fresh water Marine water Aqua (intermittent releases) STP Fresh water sediment	Long-term systemic effector Type Long-term systemic effects in Acute systemic effects of Acute systemic effects of Acute systemic effects of Long-term systemic effects of Long-term systemic effect of Long-term systemi	ects inhalation Inhalation Idermal Idermal Idermal Idertal Ide	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 wethyl]butylmalonate Value 0.01 mg/m³ 33 µg/kg bw/day 3 µg/kg bw/day Remark Remark	Remark

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Date of revision: 2016-04-12

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	<mark>0.0095 m</mark> g/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 tempera	ture	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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Date of revision: 2016-04-12

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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

Fix All High Tack

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	<mark>7120 mg</mark> /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

Fix All High Tack

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imethoxyvinylsilan	ie l						
Route of exposur		Method	Exposure time	Time point	Species	Value determination	Remark
Eye	Not irritating	OECD 405	24 h	1; 24; 48; 72 hours	Rabbit	Experimental value	
Skin	Not irritating		24 h	24; 48; 72 hours	Rabbit	Experimental value	
				henyl]methyl]butylma			_
Route of exposur		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	2
Skin	Not irrit <mark>ating</mark>	Equivalent to OECD 404	24 h	24; 72 hours	Rabbit	Experimental value	
ioctylbis(pentane-2			Francisco Aires	Time a majust	C	Malue	Damandi
Route of exposur		Method	Exposure time	Time point	Species	Value determination	Remark
Eye	Not irritating	OECD 405	4 b	24; 72 hours	Rabbit	Experimental value	
Skin yrithione zinc	Not irritating	OECD 404	4 h	1 hour	Rabbit	Experimental value	<u>: </u>
Route of exposur	re Result	Method	Exposure time	Time point	Species	Value determination	Remark
Eye	Serious eye	OECD 405	24 h	24 hours	Rabbit	Experimental value	
Skin	damage Not irritating	OECD 404	4 h	1; 24; 48; 72 hours	Rabbit	Experimental value	,
Idgement is based			7 11	1, 40, 72 HOUR	Ivannit	Lyberinicillal value	1
atory or skin sensit Il High Tack o (test)data on the							
o (test)uata on the	mixture available	9					
imethoxyvinylsilan	<u>ıe</u>						
, ,	<u>ıe</u>	Method	Exposure time	Observation time	Species	Value determination	Remark
imethoxyvinylsilan	<u>ıe</u>		Exposure time	Observation time point 24; 48 hours	Guinea pig	Value determination Experimental value	Remark
imethoxyvinylsilan Route of exposure Skin	Result Not sensitizing	Method OECD 406		point 24; 48 hours	Guinea pig (male/female)		Remark
imethoxyvinylsilan Route of exposure Skin	Result Not sensitizing methyl-4-piperidyl	Method OECD 406		point	Guinea pig (male/female)		
imethoxyvinylsilan Route of exposure Skin is(1,2,2,6,6-pentan	Result Not sensitizing methyl-4-piperidyl	Method OECD 406) [[3,5-bis(1,1-dimethol)]	nylethyl)-4-hydroxyp	point 24; 48 hours henyl methyl butylma Observation time	Guinea pig (male/female) lonate	Experimental value	
imethoxyvinylsilan Route of exposure Skin is(1,2,2,6,6-pentan Route of exposure	Result Not sensitizing nethyl-4-piperidyle Result Not sensitizing	Method OECD 406)[[3,5-bis(1,1-dimethod) Other	nylethyl)-4-hydroxyp	point 24; 48 hours henyl methyl butylma Observation time	Guinea pig (male/female) lonate Species Guinea pig	Experimental value Value determination	
imethoxyvinylsilan Route of exposure Skin is(1,2,2,6,6-pentan Route of exposure Skin	Not sensitizing Not sensitizing nethyl-4-piperidyle Result Not sensitizing	Method OECD 406)[[3,5-bis(1,1-dimethod) Other	nylethyl)-4-hydroxyp	point 24; 48 hours henyl methyl butylma Observation time	Guinea pig (male/female) lonate Species Guinea pig	Experimental value Value determination	Remark
Route of exposure Skin Route of exposure Skin Route of exposure Skin Skin Skin Skin Skin Skin Skin Skin	Not sensitizing Not sensitizing nethyl-4-piperidyle Result Not sensitizing	Method OECD 406) [[3,5-bis(1,1-dimethod] Other tin_	nylethyl)-4-hydroxyp Exposure time	point 24; 48 hours henyl]methyl]butylma Observation time point Observation time	Guinea pig (male/female) lonate Species Guinea pig (male/female)	Experimental value Value determination Experimental value	Remark
imethoxyvinylsilan Route of exposure Skin Route of exposure Skin Skin Coctylbis(pentane-2 Route of exposure Skin Skin Skin Skin Skin Skin Syrithione zinc	Result Not sensitizing nethyl-4-piperidyl Result Not sensitizing 2,4-dionato-0,0') Result Sensitizing	Method OECD 406) [[3,5-bis(1,1-dimethod)] Other tin Method OECD 429	Exposure time Exposure time	point 24; 48 hours henyl]methyl]butylma Observation time point Observation time point	Guinea pig (male/female) lonate Species Guinea pig (male/female) Species Mouse (female)	Experimental value Value determination Experimental value Value determination Experimental value	Remark Remark
imethoxyvinylsilan Route of exposure Skin Route of exposure Skin Skin Skin Skin Skin Skin Skin Skin	Result Not sensitizing nethyl-4-piperidyle Result Not sensitizing Result Result Sensitizing Result Result Result Result	Method OECD 406) [[3,5-bis(1,1-dimethod)] Other tin Method OECD 429 Method	nylethyl)-4-hydroxyp Exposure time	point 24; 48 hours henyl]methyl]butylma Observation time point Observation time point Observation time point	Guinea pig (male/female) lonate Species Guinea pig (male/female) Species Mouse (female) Species	Value determination Experimental value Value determination Experimental value Value determination Experimental value	Remark Remark
imethoxyvinylsilan Route of exposure Skin Skin Route of exposure Skin coctylbis(pentane-2 Route of exposure Skin yrithione zinc Route of exposure Skin	Result Not sensitizing nethyl-4-piperidyl Result Not sensitizing 2,4-dionato-0,0') Result Sensitizing	Method OECD 406) [[3,5-bis(1,1-dimethod)] 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) lonate Species Guinea pig (male/female) Species Mouse (female)	Value determination Experimental value Value determination Experimental value Value determination Experimental value Value determination Experimental value	Remark Remark
imethoxyvinylsilan Route of exposure Skin Skin Route of exposure Skin octylbis(pentane-2 Route of exposure Skin yrithione zinc Route of exposure Skin Inhalation	Result Not sensitizing nethyl-4-piperidyle Result Not sensitizing 2,4-dionato-0,0') Result Sensitizing Result Not sensitizing	Method OECD 406) [[3,5-bis(1,1-dimethod)] Other tin Method OECD 429 Method 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) Ionate Species Guinea pig (male/female) Species Mouse (female) Species Guinea pig (male/female)	Value determination Experimental value Value determination Experimental value Value determination Experimental value	Remark Remark
imethoxyvinylsilan Route of exposure Skin Skin Route of exposure Skin coctylbis(pentane-2 Route of exposure Skin yrithione zinc Route of exposure Skin	Result Not sensitizing nethyl-4-piperidyle Result Not sensitizing 2,4-dionato-0,0') Result Sensitizing Result Not sensitizing	Method OECD 406) [[3,5-bis(1,1-dimethod)] Other tin Method OECD 429 Method 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) Ionate Species Guinea pig (male/female) Species Mouse (female) Species Guinea pig (male/female)	Value determination Experimental value Value determination Experimental value Value determination Experimental value Value determination Experimental value	Remark Remark
Route of exposure Skin Route of exposure Skin Route of exposure Skin Skin Skin Skin Skin Skin Skin Skin	Result Not sensitizing nethyl-4-piperidyle Result Not sensitizing 2,4-dionato-0,0') Result Sensitizing Result Not sensitizing on the relevant in sitizing for skin	Method OECD 406) [[3,5-bis(1,1-dimethod) Other tin Method OECD 429 Method OECD 429 Method 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) Ionate Species Guinea pig (male/female) Species Mouse (female) Species Guinea pig (male/female)	Value determination Experimental value Value determination Experimental value Value determination Experimental value Value determination Experimental value	Remark Remark
Route of exposure Skin Route of exposure Skin Route of exposure Skin Skin Skin Skin Skin Skin Skin Skin	Result Not sensitizing nethyl-4-piperidyle Result Not sensitizing 2,4-dionato-O,O'): Result Sensitizing Result Not sensitizing on the relevant in sitizing for skin sitizing for inhala	Method OECD 406) [[3,5-bis(1,1-dimethod) Other tin Method OECD 429 Method OECD 429 Method 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) Ionate Species Guinea pig (male/female) Species Mouse (female) Species Guinea pig (male/female)	Value determination Experimental value Value determination Experimental value Value determination Experimental value Value determination Experimental value	Remark Remark
Route of exposure Skin Route of exposure Skin Route of exposure Skin Skin Skin Skin Skin Skin Skin Skin	Result Not sensitizing nethyl-4-piperidyle Result Not sensitizing 2,4-dionato-O,O'): Result Sensitizing Result Not sensitizing on the relevant in sitizing for skin sitizing for inhala	Method OECD 406) [[3,5-bis(1,1-dimethod) Other tin Method OECD 429 Method OECD 429 Method 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) Ionate Species Guinea pig (male/female) Species Mouse (female) Species Guinea pig (male/female)	Value determination Experimental value Value determination Experimental value Value determination Experimental value Value determination Experimental value	Remark Remark
Route of exposure Skin Route of exposure Skin Route of exposure Skin Coctylbis(pentane-2 Route of exposure Skin Route of exposure Skin Inhalation Inhalation Indgement is based Inclusion Ot classified as sen Ot classified as sen	Result Not sensitizing methyl-4-piperidyl Result Not sensitizing Result Sensitizing Result Result Sensitizing Result Not sensitizing on the relevant in sitizing for skin sitizing for inhalal	Method OECD 406) [[3,5-bis(1,1-dimethod) Other tin Method OECD 429 Method OECD 429 Method 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) Ionate Species Guinea pig (male/female) Species Mouse (female) Species Guinea pig (male/female)	Value determination Experimental value Value determination Experimental value Value determination Experimental value Value determination Experimental value	Remark Remark
imethoxyvinylsilan Route of exposure Skin Skin Route of exposure Skin Vrithione zinc Route of exposure Skin Inhalation Indgement is based Inclusion ot classified as sen ot classified as sen ot classified as sen ot classified as sen ot target organ toxi	Result Not sensitizing methyl-4-piperidyl Result Not sensitizing Result Sensitizing Result Result Sensitizing Result Not sensitizing on the relevant in sitizing for skin sitizing for inhalal	Method OECD 406) [[3,5-bis(1,1-dimethod) Other tin Method OECD 429 Method OECD 429 Method 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) Ionate Species Guinea pig (male/female) Species Mouse (female) Species Guinea pig (male/female)	Value determination Experimental value Value determination Experimental value Value determination Experimental value Value determination Experimental value	Remark Remark
imethoxyvinylsilan Route of exposure Skin Skin Route of exposure Skin Vrithione zinc Route of exposure Skin Inhalation Indgement is based Inclusion ot classified as sen ot classified as sen ot classified as sen ot classified as sen ot target organ toxi	Result Not sensitizing methyl-4-piperidyl Result Not sensitizing Result Sensitizing Result Result Sensitizing Result Not sensitizing on the relevant in sitizing for skin sitizing for inhalal	Method OECD 406) [[3,5-bis(1,1-dimethod) Other tin Method OECD 429 Method OECD 429 Method 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) Ionate Species Guinea pig (male/female) Species Mouse (female) Species Guinea pig (male/female)	Value determination Experimental value Value determination Experimental value Value determination Experimental value Value determination Experimental value	Remark Remark
imethoxyvinylsilan Route of exposure Skin Skin Route of exposure Skin Vrithione zinc Route of exposure Skin Inhalation Indgement is based Inclusion ot classified as sen ot classified as sen ot classified as sen ot classified as sen ot target organ toxi	Result Not sensitizing methyl-4-piperidyl Result Not sensitizing Result Sensitizing Result Result Sensitizing Result Not sensitizing on the relevant in sitizing for skin sitizing for inhalal	Method OECD 406) [[3,5-bis(1,1-dimethod) Other tin Method OECD 429 Method OECD 429 Method OECD 406	Exposure time Exposure time	point 24; 48 hours henyl]methyl]butylma Observation time point Observation time point 24; 48 hours	Guinea pig (male/female) Ionate Species Guinea pig (male/female) Species Mouse (female) Species Guinea pig (male/female)	Experimental value Value determination Experimental value Value determination Experimental value Value determination Experimental value Data waiving	Remark Remark

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<u>trimethoxyvinylsilane</u>								_
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	NOAEC	Subchronic	10 ppm		No effect	14 weeks (6h/day, 5		Experimental
(vapours)	level 4 refer	toxicity test	alian at level at level \ 4	h		days/week)	(male/female)	value
bis(1,2,2,6,6-pentamet			Value		Effect	Exposure time	Charios	Value
Route of exposure				Organ			Species	determination
Oral (stomach tube)	LOAEL	OECD 421	10 mg/kg bw/day	Lymph nodes	Enlargement of the lymph glands		Rat (male/female)	Experimental value
Oral (stomach tube)	LOAEL	OECD 421	10 mg/kg bw/day	Liver	Enlargement/af ection of the liver		Rat (male/female)	Experimental value
Oral (stomach tube)	LOAEL	OECD 421	10 mg/kg bw/day	Spleen	Spleen enlargement/af ection	28 day(s) f	Rat (male/female)	Experimental value
dioctylbis(pentane-2,4						-	1.	
Route of exposure	Parame	ter 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			0, 0 , , , ,					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
Inhalation	LOAEC	Equivalent to	650 ppm	Various organs	Histopathology	14 weeks (6h/day, 5	Rat	Experimental
(vapours)		OECD 413				days/week)	(male/female)	value
Route of exposure	Daramo	ter Method	Value	Organ	Effect	Evnocuro timo	Species	Value
Route of exposure	Parame	etei ivietriou	Value	Organ	Ellect	Exposure time	Species	determinatio
Oral (stomach	NOAEL	OECD 453	0.5 mg/kg		No effect	98 weeks (daily) -	Rat	Experimental
tube) Dermal	NOAEL	EPA OPP 82-3	bw/day 100 mg/kg		No effect	104 weeks (daily) 13 weeks (6h/day, 5	(male/female) Rat	value Experimental
Dermal	LOAEL	EPA OPP 82-3	bw/day 1000 mg/kg		Haematological	days/week) 13 weeks (6h/day, 5	(male/female) Rat	value Experimental
Inhalation (dust)	LOAEL	EPA OPPTS	bw/day 6 mg/m³ air		changes Respiratory	days/week) 3 weeks (6h/day, 5	(male/female) Rat	value Experimental
		870.3465			difficulties	days/week)	(male/female)	value
Inhalation (dust)	NOAEL	EPA OPPTS 870.3465	2 mg/m³ air		No effect	3 weeks (6h/day, 5 days/week)	Rat (male/female)	Experimental value
Judgement is based on Conclusion		, and the second						
Not classified for subch	ronic to	xicity						
agenicity (in vitro)								
<u>All High Tack</u> No (test)data on the m	ixture av	railable						
trimethoxyvinylsilane								
Result		Method		Test substrate		ect	Value dete	
Positive with metal activation, positive metabolic activatio	without	OECD 473		CHL/IU cells	Ch	romosome aberratior	ns Experimen	tal value
Negative with meta activation, negative metabolic activatio	withou	OECD 476		Chinese hamste	r ovary (CHO) No	effect	Experimen	tal value
Negative with meta activation, negative metabolic activatio	abolic withou	OECD 471		Bacteria (S.typhi	murium) No	effect	Experimen	tal value
					Ī			
on for revision: 3					Pu	blication date: 2015-0	Jb-24	

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	Method	thylethyl)-4-hydroxyphenyl]methyl]butylm Test substrate	Effect	Value determination
Result				
Negative with metabolic	Ames test	Bacteria (S.typhimurium)	No effect	Experimental value
activation, negative without				
metabolic activation				
Negative with metabolic	OECD 476	Chinese hamster ovary (CHO)	No effect	Experimental value
activation, negative without				
metabolic activation				
Positive with metabolic	OECD 473	Chinese hamster ovary (CHO)		Experimental value
activation, positive without				
metabolic activation				
ctylbis(pentane-2,4-dionato-C	<u>,O')tin</u>			
Result	Method	Test substrate	Effect	Value determination
Negative	OECD 476	Chinese hamster lung	No effect	Experimental value
		fibroblasts		
Negative	OECD 473	Chinese hamster lung	No effect	Experimental value
		fibroblasts		
Negative	OECD 471	Bacteria (S.typhimurium)	No effect	Experimental value
ithione 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
reputive mitir metabolic				

Mutagenicity (in vivo)

Fix All High Tack

No (test)data on the mixture available

 $\underline{\mathsf{trimethoxyvinylsilane}}$

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

	Result	ivietnoa	exposure time	rest substrate	Organ	value determination	1
	Negative	OECD 474		Mouse (male)	Bone marrow	Experimental value	
pyr	ithione zinc						

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

Carcinogenicity

Fix All High Tack

No (test)data on the mixture available

pyrithione zinc

Route of exposure	Parameter	Method	Value	Exposure time	Species	Effect	. 3	Value determination
Oral	NOAEL	OECD 453	> 2.1 mg/kg bw	104 weeks (daily)	Rat	No carcinogenic		Experimental
					(male/female)	effect		value

Reproductive toxicity

Fix All High Tack

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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hic/1 2 2 6 6-nontamothy/-/1-n	inaridyl) II3 5-hic/1 1-dimathylathyl)-/l	-hydroxyphenyl]methyl]butylmalonate
013(1,2,2,0,0-peritarrietriyi-4-p	iperiugi) [[3,3-bi3(1,1-diffictifyietifyi)-4	Tiyar oxyphenyijinetiiyijbatyiinalonate

	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-0,0')tin

	Parameter	Method	Value	Exposure time	Species	Effect	Organ	Value determination
Maternal toxicity	NOAEL	OECD 422	0.3 mg/kg bw/day - 0.5 mg/kg bw/day	7(-7	Rat	No effect	Thymus	Experimental value
Effects on fertility	NOAEL	OECD 422	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)	Rabbit (female)	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		<mark>0.5 mg</mark> /kg bw/day	13 day(s)	Rabbit (female)	No effect		Experimental value
Effects on fertility	. , ,	EPA OPPTS 870.3800	1.4 mg/kg bw/day - 2.8 mg/kg bw/day		Rat (male/female)	Reproductive performance		Experimental value
	- (, ,	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

Fix All High Tack

No (test)data on the mixture available

Chronic effects from short and long-term exposure

Fix All High Tack

No effects known.

SECTION 12: Ecological information

12.1. Toxicity

Fix All High Tack

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 mg/</mark> l	96 h	Oncorhynchus mykiss			Experimental value; Nominal concentration
Acute toxicity invertebrates		EC50	EU Method C.2	168.7 mg/l	48 h	Daphnia magna	Static system		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		Experimental value; Nominal concentration
Long-term toxicity fish									Data waiving
Long-term toxicity aquatic invertebrates					7				Data waiving

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s(1,2,2,6,6-pentamethyl-4-p <mark>ip</mark>	eridyl) [[3,5-bis	(1.1-dimethyle	. II. I\ 4 II					
						-	L	h
	Parameter	Method	Value	Duration	Species	Test design	Fresh/salt water	Value determi
Acute toxicity fishes	LC50	OECD 203	> 100 mg/l	96 h	Danio rerio	Semi-static system	Fresh water	Experimental v GLP
Toxicity algae and other aquat	ic EC50	Other	61 mg/l	72 h	Scenedesmus subspicatus	Static system	Fresh water	Experimental v Biomass
Long-term toxicity aquatic	NOEC	OECD 211	2 μg/l	21 day(s)	Daphnia magna	Semi-static	Fresh water	Experimental v
invertebrates Toxicity aquatic micro-	IC50	OECD 209	> 100 mg/l	3 h	Activated sludge	system Static system	Fresh water	GLP Experimental v
organisms		0200 203	100 1116/1	3 11	richtatea siaage	Static System	Tresh water	Experimental
octylbis(pentane-2,4-dionato-	O,O')tin Parameter	Method	Value	Duration	Species	Test design	Fresh/salt	Value determi
	rarameter	ivietriou	value	Duration	Species	rest design	water	value determin
Acute toxicity fishes	LC50	OECD 203	86 mg/l	96 h	Pisces	Static system		Experimental v
Acute toxicity invertebrates Toxicity algae and other aquat	EC50	OECD 202 OECD 201	58.6 mg/l 300 mg/l	48 h 24 h	Daphnia magna Scenedesmus	Static system Static system		Experimental v Experimental v
plants	ic EC30	OECD 201	500 Hig/i	24 11	subspicatus	Static system		Experimentary
<u>rrithione zinc</u>	Danamatan	Mathad	Makes	Duration	Cassias	Task dasima	Fuests /ealt	Malus datamai
	Parameter	Method	Value	Duration	Species	Test design	Fresh/salt water	Value determin
Acute toxicity fishes	LC50	OECD 203	0.0104 mg/l	96 h	Brachydanio			Experimental v
Acute toxicity invertebrates	EC50	OECD 202	0.051 mg/l	48 h	Daphnia magna			Experimental v
Toxicity algae and other aqu <mark>at</mark>	ic EC50	OECD 201	0.051 mg/l	72 h	Pseudokirchnerie Ila subcapitata			Experimental v
piarits		OECD 201	0.0149 mg/l	72 h	Pseudokirchnerie	2		Experimental v
	NOEC				Haranda and Andre			
Long torm toxicity fich		OECD 215	<u> </u>		lla subcapitata			Evnorimental
Long-term toxicity fish Long-term toxicity aquatic	NOEC NOEC	OECD 215 OECD 211	0.00125 mg/l 0.00213 mg/l	21 day(s)	lla subcapitata Brachydanio Daphnia magna			
Long-term toxicity aquatic invertebrates Toxicity aquatic microorganisms esification is based on the relevant of the series of t	NOEC NOEC EC50 vant ingredient	OECD 211 OECD 209	0.00125 mg/l	21 day(s) 3 h	Brachydanio	Static system		Experimental v
Long-term toxicity aquatic invertebrates Toxicity aquatic microorganisms esification is based on the relevant	NOEC NOEC EC50 vant ingredient	OECD 211 OECD 209	0.00125 mg/l 0.00213 mg/l		Brachydanio Daphnia magna	Static system		Experimental v
Long-term toxicity aquatic invertebrates Toxicity aquatic microorganisms sification is based on the relevant of the second of th	NOEC NOEC EC50 vant ingredient a lasting effects.	OECD 211 OECD 209 s	0.00125 mg/l 0.00213 mg/l	3 h	Brachydanio Daphnia magna Activated sludge	Va	lue determina	Experimental v Experimental v GLP
Long-term toxicity aquatic invertebrates Toxicity aquatic microorganisms sification is based on the relevant of the second of th	NOEC NOEC EC50 vant ingredient stating effects. radability	OECD 211 OECD 209 s	0.00125 mg/l 0.00213 mg/l	3 h	Brachydanio Daphnia magna Activated sludge	Va		Experimental v Experimental v GLP
Long-term toxicity aquatic invertebrates Toxicity aquatic microorganisms sification is based on the relevant of the second of th	NOEC NOEC EC50 vant ingredient stating effects. radability	OECD 211 OECD 209 s . Value t 51%; GLP	0.00125 mg/l 0.00213 mg/l	3 h Dura 28 da	Brachydanio Daphnia magna Activated sludge tion ay(s)	Va Ex	l lue determin a perimental val	Experimental v Experimental v GLP stion ue
Long-term toxicity aquatic invertebrates Toxicity aquatic microorganisms sification is based on the relevant of the second of th	NOEC NOEC EC50 vant ingredient stating effects. radability	OECD 211 OECD 209 s . Value t 51 %; GLP	0.00125 mg/l 0.00213 mg/l	Dura 28 da	Brachydanio Daphnia magna Activated sludge tion ay(s) . OH-radicals	Va Ex	llue determina perimental val	Experimental v Experimental v GLP stion ue
Long-term toxicity aquatic invertebrates Toxicity aquatic microorganisms sification is based on the relevant of the second of th	NOEC NOEC EC50 vant ingredient stating effects. radability	OECD 211 OECD 209 s . Value t 51%; GLP	0.00125 mg/l 0.00213 mg/l	Dura 28 da	Brachydanio Daphnia magna Activated sludge tion ay(s)	Va Ex	l lue determin a perimental val	Experimental v Experimental v GLP stion ue
Long-term toxicity aquatic invertebrates Toxicity aquatic microorganisms sisfication is based on the relevant of the second of t	NOEC NOEC EC50 vant ingredient stating effects. radability	OECD 211 OECD 209 s . Value t 51 %; GLP	0.00125 mg/l 0.00213 mg/l	Dura 28 da Conc 5000	Brachydanio Daphnia magna Activated sludge tion ay(s) . OH-radicals 00 /cm³ ary	Va Ex Va Ca	llue determina perimental val	Experimental v Experimental v GLP Attion ue
Long-term toxicity aquatic invertebrates Toxicity aquatic microorganisms sisfication is based on the relevant of the second of t	NOEC NOEC Vant ingredient stating effects radability spirometry Test 0 air)	OECD 211 OECD 209 s Value t 51 %; GLP Value 0.56 day(s)	0.00125 mg/l 0.00213 mg/l 2.4 mg/l	Dura 28 da Conc 5000 Prim. degra	Brachydanio Daphnia magna Activated sludge tion ay(s) . OH-radicals 00 /cm³	Va Exp Va Ca	llue determina perimental val llue determina Iculated value	Experimental v Experimental v GLP Attion ue
Long-term toxicity aquatic invertebrates Toxicity aquatic microorganisms sisfication is based on the relevant of the sistematic life with long armful to aquatic life water Method DECD 111: Hydrolysis as a fustic life water (1/2, 2,6,6-pentamethyl-4-pip	NOEC NOEC NOEC EC50 vant ingredient a lasting effects adability spirometry Test 0 air)	OECD 211 OECD 209 s Value t 51 %; GLP Value 0.56 day(s) Value < 2.4 h; pH =	0.00125 mg/l 0.00213 mg/l 2.4 mg/l	Dura 28 da Conc 5000 Prim. degra Primi	Brachydanio Daphnia magna Activated sludge tion ay(s) . OH-radicals 00 /cm³ ary adation/mineralisa ary degradation	Va Exp Va Ca	lue determina perimental val lue determina Iculated value	Experimental vigExperimental v
Long-term toxicity aquatic invertebrates Toxicity aquatic microorganisms sisfication is based on the relevant of the second of t	NOEC NOEC NOEC EC50 vant ingredient a lasting effects adability spirometry Test 0 air)	OECD 211 OECD 209 S Value t 51 %; GLP Value 0.56 day(s) Value < 2.4 h; pH = (1,1-dimethyle)	0.00125 mg/l 0.00213 mg/l 2.4 mg/l	Dura 28 da Conc 5000 Prim. degra phenyl]meth	Brachydanio Daphnia magna Activated sludge tion ay(s) . OH-radicals 00 /cm³ ary adation/mineralisa ary degradation yl]butylmalonate	Va Ex Va Ca Va	lue determina perimental val lue determina lculated value lue determina eight of evider	ntion ue ntion ntion
Long-term toxicity aquatic invertebrates Toxicity aquatic microorganisms sisfication is based on the relevant of the sistematic of the sis	NOEC NOEC NOEC EC50 Vant ingredient Is lasting effects. Tadability Spirometry Test O air) Inction of pH eridy() [[3,5-bis	OECD 211 OECD 209 S Value t 51 %; GLP Value 0.56 day(s) Value < 2.4 h; pH = (1,1-dimethyle) Value	0.00125 mg/l 0.00213 mg/l 2.4 mg/l	Dura 28 da Conc 5000 Prim degra Prima phenyl]meth	Brachydanio Daphnia magna Activated sludge tion ay(s) . OH-radicals 00 /cm³ ary adation/mineralisa ary degradation yllbutylmalonate tion	Va Exp Va Ca Va Ition	lue determina perimental val lue determina lculated value lue determina eight of evider	Experimental vight
Long-term toxicity aquatic invertebrates Toxicity aquatic microorganisms sisfication is based on the relevant of the sistematic life with long armful to aquatic life with long armful side and a life with long armful life with long a	NOEC NOEC NOEC EC50 Vant ingredient (lasting effects. (adability Spirometry Test () air) Inction of pH eridyl) [[3,5-bis	OECD 211 OECD 209 S Value t 51 %; GLP Value 0.56 day(s) Value < 2.4 h; pH = (1,1-dimethyle)	0.00125 mg/l 0.00213 mg/l 2.4 mg/l	Dura 28 da Conc 5000 Prim. degra phenyl]meth	Brachydanio Daphnia magna Activated sludge tion ay(s) . OH-radicals 00 /cm³ ary adation/mineralisa ary degradation yllbutylmalonate tion	Va Exp Va Ca Va Ition	lue determina perimental val lue determina lculated value lue determina eight of evider	Experimental vight
Long-term toxicity aquatic invertebrates Toxicity aquatic microorganisms sisfication is based on the relevant of the sistematic of the sis	NOEC NOEC NOEC EC50 Vant ingredient (lasting effects. (adability Spirometry Test () air) Inction of pH eridyl) [[3,5-bis	OECD 211 OECD 209 S Value t 51 %; GLP Value 0.56 day(s) Value < 2.4 h; pH = (1,1-dimethyle) Value	0.00125 mg/l 0.00213 mg/l 2.4 mg/l	Dura 28 da Conc 5000 Prim degra Prima phenyl]meth	Brachydanio Daphnia magna Activated sludge tion ay(s) . OH-radicals 00 /cm³ ary adation/mineralisa ary degradation yllbutylmalonate tion	Va Exp Va Ca Va Ition	lue determina perimental val lue determina lculated value lue determina eight of evider	Experimental vight
Long-term toxicity aquatic invertebrates Toxicity aquatic microorganisms sisfication is based on the relevance in the relevan	NOEC NOEC NOEC Vant ingredient Is lasting effects Tadability Spirometry Test O air) Inction of pH eridyl) [[3,5-bis	OECD 211 OECD 209 S Value t 51 %; GLP Value 0.56 day(s) Value < 2.4 h; pH = (1,1-dimethyle) Value 2 %	0.00125 mg/l 0.00213 mg/l 2.4 mg/l	Dura 28 da Conc 5000 Prim degra Prima phenyl]meth	Brachydanio Daphnia magna Activated sludge tion ay(s) . OH-radicals 00 /cm³ ary adation/mineralisa ary degradation yllbutylmalonate tion ay(s)	Va Exp Va Ca Ition Va Exp	lue determina perimental val lue determina lculated value lue determina eight of evider	Experimental v Experimental v GLP Aution ue attion attion attion attion attion attion

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yrithione zinc						
Biodegradation w	ater					
Method			Value		Duration	Value determination
OECD 301B: CO2	P Evolution T	Tost	39 %; GLP		28 day(s)	Experimental value
OECD 303A: Acti				ctivated sludge	35 day(s)	Experimental value
Phototransformat			2 30.0 %, A	Livateu siduge	33 day(3)	Experimental value
Method	ion an (Dis	o all j	Value		Conc. OH-radicals	Value determination
			8.69 h		COTIC. OH-Faulcais	Calculated value
AOPWIN	:	DTCO				Calculated value
Phototransformat	ion water (i	D150 Water			la 011 11 1	hr
Method			Value		Conc. OH-radicals	Value determination
Other	(a .)		< 7 minutes			Experimental value
Half-life water (t1	/2 water)		1			
Method			Value		Primary	Value determination
					degradation/mineralisation	
EPA 161-1			7.4 day(s) -	12.9 day(s); GLP	Primary degradation	Experimental value
nclusion Contains non readily 2.3. Bioaccumul Il High Tack		·	nent(s)			
g Kow	-)omenle		Value	To	Volum datamai attam
/lethod		Remark		Value	Temperature	Value determination
	N	Not applicab	le (mixture)			
rimethoxyvinylsilan	ια					
	_					
BCF other aquatic	4		Value	Duration	Species	Value determination
Parameter	Method	1	Value	Duration	Species	
						Data waiving
Log Kow						
Method		Remark		Value	Temperature	Value determination
KOWWIN		Calculate	ed .	-2	20 °C	QSAR
is(1,2,2,6,6-pentan	nethyl-4-pip	eridyl) [[3,5	-bis(1,1-dimethyl	ethyl)-4-hydroxypher	nyl]methyl]butylmalonate	
BCF fishes						
Parameter	Method		Value	Duration	Species	Value determination
BCF	OECD 30		24.3 - 437.1	60 day(s)	Cyprinus carpio	Experimental value
	OECD 30	JS	24.3 - 437.1	ou day(s)	Cyprinus carpio	Experimental value
Log Kow		D		hratia	T	M-1
Method		Remark		Value	Temperature	Value determination
OECD 107				3.7	23 °C	Experimental value
OECD 117				> 6 .5	23 °C	Experimental value
Other				4.2	23 °C	Experimental value
ioctylbis(pentane-2	<u>4,4-dionato-</u>	<u>O,O')tin</u>				
Log Kow						
Method		Remark		Value	Temperature	Value determination
		No data a	aailalala			value determination
			avallable			Value determination
	n), hydrotre					value determination
istillates (petroleur	n), hydrot <mark>re</mark>					value determination
istillates (petroleur Log Kow	n), hydrot <mark>re</mark>	eated light p		Value	Tomporatura	
istillates (petroleur	n), hydrot <mark>re</mark>	Remark	<u>araffinic</u>	Value	Temperature	Value determination
istillates (petroleur Log Kow Method	n), hydrotre	eated light p	<u>araffinic</u>	Value	Temperature	
istillates (petroleur Log Kow Method yrithione zinc		Remark	<u>araffinic</u>	Value	Temperature	
Log Kow Method yrithione zinc BCF other aquatic	organisms	Remark No data	araffinic available			Value determination
Log Kow Method yrithione zinc BCF other aquatic Parameter	organisms Method	Remark No data	araffinic available Value	Duration	Species	Value determination Value determination
Log Kow Method yrithione zinc BCF other aquatic	organisms	Remark No data	araffinic available			Value determination
Log Kow Method yrithione zinc BCF other aquatic Parameter	organisms Method	Remark No data	araffinic available Value	Duration	Species	Value determination Value determination
Log Kow Method yrithione zinc BCF other aquatic BCF	organisms Method	Remark No data	araffinic available Value	Duration	Species Crassostrea sp.	Value determination Value determination
Log Kow Method Yrithione zinc BCF other aquatic Parameter BCF Log Kow Method	organisms Method	Remark No data	araffinic available Value	Duration 30 day(s) Value	Species Crassostrea sp. Temperature	Value determination Value determination Experimental value Value determination
istillates (petroleur Log Kow Method Yrithione zinc BCF other aquatic Parameter BCF Log Kow Method OECD 107	organisms Method	Remark No data	araffinic available Value	Duration 30 day(s)	Species Crassostrea sp.	Value determination Value determination Experimental value
Log Kow Method Yrithione zinc BCF other aquatic Parameter BCF Log Kow Method OECD 107 nclusion	organisms Method OECD 30	Remark No data a	araffinic available Value	Duration 30 day(s) Value	Species Crassostrea sp. Temperature	Value determination Value determination Experimental value Value determination
Istillates (petroleur Log Kow Method Yrithione zinc BCF other aquatic Parameter BCF Log Kow Method OECD 107 Inclusion Ontains bioaccumu 1.4. Mobility in Immethoxyvinylsilan	organisms Method OECD 30	Remark No data a	araffinic available Value	Duration 30 day(s) Value	Species Crassostrea sp. Temperature	Value determination Value determination Experimental value Value determination
istillates (petroleur Log Kow Method Prithione zinc BCF other aquatic Parameter BCF Log Kow Method OECD 107 Inclusion Ontains bioaccumu 2.4. Mobility in Immethoxyvinylsilan (log) Koc	organisms Method OECD 30	Remark No data a	araffinic available Value	Duration 30 day(s) Value 0.9	Species Crassostrea sp. Temperature 25 °C	Value determination Value determination Experimental value Value determination Experimental value
Log Kow Method Yrithione zinc BCF other aquatic Parameter BCF Log Kow Method OECD 107 Inclusion Ontains bioaccumu 2.4. Mobility in Immethoxyvinylsilan	organisms Method OECD 30	Remark No data a	araffinic available Value	Duration 30 day(s) Value	Species Crassostrea sp. Temperature	Value determination Value determination Experimental value Value determination Experimental value
Istillates (petroleur Log Kow Method Parameter BCF other aquatic Parameter BCF Log Kow Method OECD 107 Inclusion Ontains bioaccumu 1.4. Mobility in rimethoxyvinylsilan (log) Koc Parameter	organisms Method OECD 30 DECD 30 Decomposition of the composition of	Remark No data a Remark Remark Donnent(s)	araffinic available Value	Duration 30 day(s) Value 0.9	Species Crassostrea sp. Temperature 25 °C	Value determination Value determination Experimental value Value determination Experimental value
istillates (petroleur Log Kow Method Prithione zinc BCF other aquatic Parameter BCF Log Kow Method OECD 107 Inclusion Ontains bioaccumu 2.4. Mobility in Immethoxyvinylsilan (log) Koc Parameter Volatility (Henry's	organisms Method OECD 30 DECD 30 Decomposition of the composition of	Remark No data a Remark Remark Donnent(s)	araffinic available Value	Duration 30 day(s) Value 0.9	Species Crassostrea sp. Temperature 25 °C Value	Value determination Value determination Experimental value Value determination Experimental value Value determination Data waiving
Istillates (petroleur Log Kow Method Myrithione zinc BCF other aquatic Parameter BCF Log Kow Method OECD 107 Inclusion Inclus	organisms Method OECD 3C plative comp soil	Remark No data a Remark Remark Donnent(s)	araffinic available Value	Duration 30 day(s) Value 0.9 Method	Species Crassostrea sp. Temperature 25 °C	Value determination Value determination Experimental value Value determination Experimental value Value determination Data waiving
Istillates (petroleur Log Kow Method Method BCF other aquatic Parameter BCF Log Kow Method OECD 107 Inclusion Iontains bioaccumu 2.4. Mobility in rimethoxyvinylsilan (log) Koc Parameter Volatility (Henry's	organisms Method OECD 3C plative comp soil	Remark No data a Remark Remark Donnent(s)	araffinic available Value	Duration 30 day(s) Value 0.9	Species Crassostrea sp. Temperature 25 °C Value	Value determination Value determination Experimental value Value determination Experimental value Value determination Data waiving
istillates (petroleur Log Kow Method Prithione zinc BCF other aquatic Parameter BCF Log Kow Method OECD 107 Inclusion Ontains bioaccumu 2.4. Mobility in rimethoxyvinylsilan (log) Koc Parameter Volatility (Henry's Value	organisms Method OECD 3C plative comp soil	Remark No data a Remark Remark Donnent(s)	araffinic available Value	Duration 30 day(s) Value 0.9 Method	Species Crassostrea sp. Temperature 25 °C Value	Value determination Value determination Experimental value Value determination Experimental value Value determination Data waiving
Istillates (petroleur Log Kow Method Myrithione zinc BCF other aquatic Parameter BCF Log Kow Method OECD 107 Inclusion Inclus	organisms Method OECD 3C plative comp soil	Remark No data a Remark Remark Donnent(s)	araffinic available Value	Duration 30 day(s) Value 0.9 Method	Species Crassostrea sp. Temperature 25 °C Value	Value determination Value determination Experimental value Value determination Experimental value Value determination Data waiving Value determination Estimated value

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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

Ì	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

Fix All High Tack

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

CTION 14: Transpo	ort information	
Road (ADR)		
14.1. UN number		
Transport		Not subject
14.2. UN proper shipping na	ama	ivot subject
14.3. Transport hazard class		
Hazard identification nu		
Class		
Classification code		
14.4. Packing group		
Packing group		
Labels		
14.5. Environmental hazard	s	
Environmentally hazard	ous substance mark	no
14.6. Special precautions fo	r user	
Special provisions		
Limited quantities		
Rail (RID)		
14.1. UN number		
Transport		Not subject
14.2. UN proper shipping na	ame	
14.3. Transport hazard class	s(es)	
Hazard identification nu	ımber	
Class		
Classification code		
ason for revision: 3		Publication date: 2015-06-24

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Date of revision: 2016-04-12

	Fix All	High Tack
14.4. P	Packing group	
	cking group	
	pels	
	invironmental hazards	
	vironmentally hazardous substance mark	no
	pecial precautions for user ecial provisions	
	nited quantities	
<u> </u>		
	vaterways (ADN) JN number	
	ansport	Not subject
<u> </u>	JN proper shipping na <mark>me</mark>	Not subject
14.3. T	ransport hazard class(es)	
Cla	nss	
	ssification code	
	Packing group	
	cking group pels	
<u></u>	nvironmental hazards	
	vironmentally hazardo <mark>us substance mark</mark>	no
	pecial precautions for user	
	ecial provisions	
Lin	nited quantities	
Sea (IM	DG/IMSBC)	
	JN number	
	ansport	Not subject
	JN proper shipping na <mark>me</mark> Transport hazard class(<mark>es)</mark>	
Cla		
	Packing group	
	cking group	
<u></u>	pels	
	invironmental hazards	
	arine pollutant vironmentally hazardous substance mark	no
14.6. S	pecial precautions for user	ito
	ecial provisions	
	nited quantities	
	ransport in bulk according to Annex II of Marpol and the IBC Cod nex II of MARPOL 73/78	le la
<u>. </u>		
	O-TI/IATA-DGR) JN number	
	ansport	Not subject
	JN proper shipping name	
	ransport hazard class(<mark>es)</mark>	
Cla		
	Packing group	
	cking group pels	
	invironmental hazards	
	vironmentally hazardous substance mark	no
	pecial precautions for user	
<u> </u>	ecial provisions	
	ssenger and cargo tran <mark>sport: limited quantities: maximum ne</mark> t qu r packaging	adituty
<u> </u>		
	15: Regulatory information	
15.1. Sa	fety, health and environmental regulations/legisla	ation specific for the substance or mixture
Eurone	ean legislation:	
-	content Directive 2010/75/EU	
-		Domork
	/OC content 4.5 %	Remark
<u> </u>	: 43.5 %	
<u></u>	pean drinking water standards (Directive 98/83/EC)	
Reason for re	vision: 3	Publication date: 2015-06-24
		Date of revision: 2016-04-12
D. 1st.		Doublet a subsection

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pyrithione zinc

JYTHIOHE ZIHC				
Parameter	Parametric value	Not	te	Reference
Pesticides	0,1 μg/Ι			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.

and use of certain dar	ngerous	s substances, mixtures and articl	ies.	
· trimethoxyvinylsilane	n.,	Liquid substances or mixtures which		1. Shall not be used in:
· dioctylbis(pentane-2,4-dionato-0,0		regarded as dangerous in accordance		— ornamental articles intended to produce light or colour effects by means of different
		Directive 1999/45/EC or are fulfilling criteria for any of the following haza		phases, for example in ornamental lamps and ashtrays, — tricks and jokes,
		or categories set out in Annex I to Re		games for one or more participants, or any article intended to be used as such, even w
		(EC) No 1272/2008:	-8	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	2.7, 2.8	market.3. Shall not be placed on the market if they contain a colouring agent, unless
				required for fiscal reasons, or perfume, or both, if they:
		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, and,
		(b) hazard classes 3.1 to 3.6, 3.7 adv	orco	 present an aspiration hazard and are labelled with R65 or H304,4. Decorative oil lamp for supply to the general public shall not be placed on the market unless they conform to
		effects on sexual function and fertilit		the European Standard on Decorative oil lamps (EN 14059) adopted by the European
		development, 3.8 effects other than		Committee for Standardisation (CEN).5. Without prejudice to the implementation of oth
		effects, 3.9 and 3.10;		Community provisions relating to the classification, packaging and labelling of dangerous
		(c) hazard class 4.1;		substances and mixtures, suppliers shall ensure, before the placing on the market, 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 public are visil
				legibly and indelibly marked as follows: "Keep lamps filled with this liquid out of the reac children"; and, by 1 December 2010, "Just a sip of lamp oil — or even sucking 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 general public
				legibly and indelibly marked by 1 December 2010 as follows: "Just a sip of grill lighter ma
				lead to life threatening lung damage";
				c) lamp oils and grill lighters, labelled with R65 or H304, intended for supply to the gener
				public are packaged in black opaque containers not exceeding 1 litre by 1 December 201
				No later than 1 June 2014, the Commission shall request the European Chemicals Agenc 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 mark
				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 g
				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.'
dioctylbis(pentane-2,4-dionato-0,0	')tin	Organostannic compounds		Shall not be placed on the market, or used, as substances or in mixtures where the
				substance or mixture is acting as biocide in free association paint.2. Shall not be placed of
				the market, or used, as substances or in mixtures where the substance or mixture 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, estuarine and inland waterways and lakes;
				(b) cages, floats, nets and any other appliances or equipment used for fish or shellfish
				farming;
				(c) any totally or partly submerged appliance or equipment.3. Shall not be placed on the
				market, or used, as substances or in mixtures where the substance or mixture is intende
				for use in the treatment of industrial waters.4. Tri-substituted organostannic compounds
				a) Tri-substituted organostannic compounds such as tributyltin (TBT) compounds and triphenyltin (TPT) compounds shall not be used after 1 July 2010 in articles where the
				concentration in the article, or part thereof, is greater than the equivalent of 0,1 % by
				concentration in the article, or part thereof, is greater than the equivalent of 0.1% by weight of tin.
				concentration in the article, or part thereof, is greater than the equivalent of 0,1 % by weight of tin. b) Articles not complying with point (a) shall not be placed on the market after 1 July 20: except for articles that were already in use in the Community before that date.5. Dibuty
				concentration in the article, or part thereof, is greater than the equivalent of 0,1 % by weight of tin. b) Articles not complying with point (a) shall not be placed on the market after 1 July 20: except for articles that were already in use in the Community before that date.5. Dibutyl (DBT) compounds:
				concentration in the article, or part thereof, is greater than the equivalent of 0,1 % by weight of tin. b) Articles not complying with point (a) shall not be placed on the market after 1 July 20: except for articles that were already in use in the Community before that date.5. Dibutyl (DBT) compounds: a) Dibutyltin (DBT) compounds shall not be used after 1 January 2012 in mixtures and
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				concentration in the article, or part thereof, is greater than the equivalent of 0,1 % by weight of tin. b) Articles not complying with point (a) shall not be placed on the market after 1 July 202 except for articles that were already in use in the Community before that date. 5. Dibutyl (DBT) compounds: a) Dibutyltin (DBT) compounds shall not be used after 1 January 2012 in mixtures and articles for supply to the general public where the concentration in the mixture or the article, or part thereof, is greater than the equivalent of 0,1 % by weight of tin. b) Articles and mixtures not complying with point (a) shall not be placed on the market at 1 January 2012, except for articles that were already in use in the Community before the date. c) By way of derogation, points (a) and (b) shall not apply until 1 January 2015 to the following articles and mixtures for supply to the general public: — one-component and two-component room temperature vulcanisation sealants (RTV-and RTV-2 sealants) and adhesives, — paints and coatings containing DBT compounds as catalysts when applied on articles, — soft polyvinyl chloride (PVC) profiles whether by themselves or coextruded with hard
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				concentration in the article, or part thereof, is greater than the equivalent of 0,1 % by weight of tin. b) Articles not complying with point (a) shall not be placed on the market after 1 July 201 except for articles that were already in use in the Community before that date.5. Dibutyl (DBT) compounds: a) Dibutyltin (DBT) compounds shall not be used after 1 January 2012 in mixtures and articles for supply to the general public where the concentration in the mixture or the article, or part thereof, is greater than the equivalent of 0,1 % by weight of tin. b) Articles and mixtures not complying with point (a) shall not be placed on the market a 1 January 2012, except for articles that were already in use in the Community before that date. c) By way of derogation, points (a) and (b) shall not apply until 1 January 2015 to the following articles and mixtures for supply to the general public: — one-component and two-component room temperature vulcanisation sealants (RTV-and RTV-2 sealants) and adhesives, — paints and coatings containing DBT compounds as catalysts when applied on articles, — soft polyvinyl chloride (PVC) profiles whether by themselves or coextruded with hard PVC, — fabrics coated with PVC containing DBT compounds as stabilisers when intended for outdoor applications, — outdoor rainwater pipes, gutters and fittings, as well as covering material for roofing a containing outdoor rainwater pipes, gutters and fittings, as well as covering material for roofing a containing outdoor rainwater pipes, gutters and fittings, as well as covering material for roofing a containing outdoor and containing and fittings, as well as covering material for roofing and containing outdoor and containing and fittings, as well as covering material for roofing and containing outdoor and containing and containing outdoor and containing and containing outdoor and contain
				concentration in the article, or part thereof, is greater than the equivalent of 0,1 % by weight of tin. b) Articles not complying with point (a) shall not be placed on the market after 1 July 201 except for articles that were already in use in the Community before that date.5. Dibutyl (DBT) compounds: a) Dibutyltin (DBT) compounds shall not be used after 1 January 2012 in mixtures and articles for supply to the general public where the concentration in the mixture or the article, or part thereof, is greater than the equivalent of 0,1 % by weight of tin. b) Articles and mixtures not complying with point (a) shall not be placed on the market a 1 January 2012, except for articles that were already in use in the Community before that date. c) By way of derogation, points (a) and (b) shall not apply until 1 January 2015 to the following articles and mixtures for supply to the general public: — one-component and two-component room temperature vulcanisation sealants (RTV-and RTV-2 sealants) and adhesives, — paints and coatings containing DBT compounds as catalysts when applied on articles, — soft polyvinyl chloride (PVC) profiles whether by themselves or coextruded with hard PVC, — fabrics coated with PVC containing DBT compounds as stabilisers when intended for outdoor applications, — outdoor rainwater pipes, gutters and fittings, as well as covering material for roofing a façades,
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				concentration in the article, or part thereof, is greater than the equivalent of 0,1 % by weight of tin. b) Articles not complying with point (a) shall not be placed on the market after 1 July 201 except for articles that were already in use in the Community before that date.5. Dibutyl (DBT) compounds: a) Dibutyltin (DBT) compounds shall not be used after 1 January 2012 in mixtures and articles for supply to the general public where the concentration in the mixture or the article, or part thereof, is greater than the equivalent of 0,1 % by weight of tin. b) Articles and mixtures not complying with point (a) shall not be placed on the market a 1 January 2012, except for articles that were already in use in the Community before tha date. c) By way of derogation, points (a) and (b) shall not apply until 1 January 2015 to the following articles and mixtures for supply to the general public: — one-component and two-component room temperature vulcanisation sealants (RTV-and RTV-2 sealants) and adhesives, — paints and coatings containing DBT compounds as catalysts when applied on articles, — soft polyvinyl chloride (PVC) profiles whether by themselves or coextruded with hard PVC, — fabrics coated with PVC containing DBT compounds as stabilisers when intended for outdoor applications, — outdoor rainwater pipes, gutters and fittings, as well as covering material for roofing a façades, d) By way of derogation, points (a) and (b) shall not apply to materials and articles regular under Regulation (EC) No 1935/2004.6. Dioctyltin (DOT) compounds:
				concentration in the article, or part thereof, is greater than the equivalent of 0,1 % by weight of tin. b) Articles not complying with point (a) shall not be placed on the market after 1 July 201 except for articles that were already in use in the Community before that date.5. Dibutyl (DBT) compounds: a) Dibutyltin (DBT) compounds shall not be used after 1 January 2012 in mixtures and articles for supply to the general public where the concentration in the mixture or the article, or part thereof, is greater than the equivalent of 0,1 % by weight of tin. b) Articles and mixtures not complying with point (a) shall not be placed on the market a 1 January 2012, except for articles that were already in use in the Community before that date. c) By way of derogation, points (a) and (b) shall not apply until 1 January 2015 to the following articles and mixtures for supply to the general public: — one-component and two-component room temperature vulcanisation sealants (RTV-and RTV-2 sealants) and adhesives, — paints and coatings containing DBT compounds as catalysts when applied on articles, — soft polyvinyl chloride (PVC) profiles whether by themselves or coextruded with hard PVC, — fabrics coated with PVC containing DBT compounds as stabilisers when intended for outdoor applications, — outdoor rainwater pipes, gutters and fittings, as well as covering material for roofing a facades, d) By way of derogation, points (a) and (b) shall not apply to materials and articles regular under Regulation (EC) No 1935/2004.6. Dioctyltin (DOT) compound: (a) Dioctyltin (DOT) compounds shall not be used after 1 January 2012 in the following
on for revision: 3				concentration in the article, or part thereof, is greater than the equivalent of 0,1 % by weight of tin. b) Articles not complying with point (a) shall not be placed on the market after 1 July 20: except for articles that were already in use in the Community before that date.5. Dibutyl (DBT) compounds: a) Dibutyltin (DBT) compounds shall not be used after 1 January 2012 in mixtures and articles for supply to the general public where the concentration in the mixture or the article, or part thereof, is greater than the equivalent of 0,1 % by weight of tin. b) Articles and mixtures not complying with point (a) shall not be placed on the market a 1 January 2012, except for articles that were already in use in the Community before the date. c) By way of derogation, points (a) and (b) shall not apply until 1 January 2015 to the following articles and mixtures for supply to the general public: — one-component and two-component room temperature vulcanisation sealants (RTV-and RTV-2 sealants) and adhesives, — paints and coatings containing DBT compounds as catalysts when applied on articles, — soft polyvinyl chloride (PVC) profiles whether by themselves or coextruded with hard PVC, — fabrics coated with PVC containing DBT compounds as stabilisers when intended for outdoor applications, — outdoor rainwater pipes, gutters and fittings, as well as covering material for roofing of façades, d) By way of derogation, points (a) and (b) shall not apply to materials and articles regulation (EC) No 1935/2004.6. Dioctyltin (DOT) compound:

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			articles for supply to, or use by, the general public, where the concentration in the article 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) Articles not complying with point (a) shall not be placed on the market after 1 Januar
			2012, except for articles that were already in use in the Community before that date.
imethoxyvinylsilane		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	 Shall not be used, as substance or as mixtures in aerosol dispensers where these aero dispensers are intended for supply to the general public for entertainment and decorating purposes such as the following: metallic glitter intended mainly for decoration,
		with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or	, — artificial snow and frost, — "whoopee" cushions,
		pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to	— silly string aerosols, — imitation excrement,
		that Regulation or not.	horns for parties,decorative flakes and foams,
			— artificial cobwebs,
			 stink bombs.2. Without prejudice to the application of other Community provisions of 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 mar
			visibly, legibly and indelibly with: "For professional users only".3. By way of derogation, paragraphs 1 and 2 shall not appl
			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 Belg	ium		
<u>Fix All High Tack</u> No data available			
dioctylbis(pentane-2,	4-dionato-	0,0')tin	
Résorption peau			tion de l'agent, via la peau, les muqueuses ou les yeux, constitue une partie résorption peut se faire tant par contact direct que par présence de l'agent da
National legislation The	Net <mark>herlan</mark> d	<u>ds</u>	
Fix All High Tack Waste identification	n (the	LWCA (the Netherlands): KGA category	05
Netherlands)	·		
Waterbezwaarlijkh distillates (petroleum		ated light paraffinic	
SZW - List of carcino		Listed in SZW-list of carcinogenic substa	nces
substances SZW - List of mutag	enic	Listed in SZW-list of mutagenic substance	ces
substances			
Substances	_		
National legislation Fran	<u>ce</u>		
	<u>ce</u>		
National legislation Fran			
National legislation Fran Fix All High Tack No data available		1: Classification water polluting based o	n the components in compliance with Verwaltungsvorschrift wassergefährder
National legislation Fran Fix All High Tack No data available National legislation Gerr Fix All High Tack WGK	man <u>y</u>	1; Classification water polluting based o Stoffe (VwVwS) of 27 July 2005 (Anhang	
National legislation Fran Fix All High Tack No data available National legislation Gerr Fix All High Tack WGK trimethoxyvinylsilane	man <u>y</u>	Stoffe (VwVwS) of 27 July 2005 (Anhang	
National legislation Fran Fix All High Tack No data available National legislation Gerr Fix All High Tack WGK trimethoxyvinylsilane TA-Luft bis(1,2,2,6,6-pentame	many 2	Stoffe (VwVwS) of 27 July 2005 (Anhang 5.2.5 eridyl) [[3,5-bis(1,1-dimethylethyl)-4-hyd	(4)
National legislation Fran Fix All High Tack No data available National legislation Gerr Fix All High Tack WGK trimethoxyvinylsilane TA-Luft bis(1,2,2,6,6-pentame TA-Luft	many 2 ethyl-4-pipe	Stoffe (VwVwS) of 27 July 2005 (Anhang 5.2.5 eridyl) [[3,5-bis(1,1-dimethylethyl)-4-hyd 5.2.1	(4)
National legislation Fran Fix All High Tack No data available National legislation Gerr Fix All High Tack WGK trimethoxyvinylsilane TA-Luft bis(1,2,2,6,6-pentame TA-Luft dioctylbis(pentane-2,	many ethyl-4-pipe 4-dionato-	\$toffe (VwVwS) of 27 July 2005 (Anhang 5.2.5 eridyl) [[3,5-bis(1,1-dimethylethyl)-4-hyd 5.2.1 O,O')tin	(4)
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National legislation Frantisch All High Tack No data available National legislation Gerr Fix All High Tack WGK trimethoxyvinylsilane TA-Luft bis(1,2,2,6,6-pentament) TA-Luft dioctylbis(pentane-2, Schwangerschaft GMAK 8-Stunden-Mimg/m³	ethyl-4-pipe 4-dionato-truppe	stoffe (VwVwS) of 27 July 2005 (Anhang 5.2.5 eridyl) [[3,5-bis(1,1-dimethylethyl)-4-hyd 5.2.1 O,O')tin D Zinnverbindungen, organische (als Sn begemessen als einatembare Fraktion (vgl	
National legislation Frantisch All High Tack No data available National legislation Gerry Fix All High Tack WGK trimethoxyvinylsilane TA-Luft bis(1,2,2,6,6-pentame) TA-Luft dioctylbis(pentane-2, Schwangerschaft G MAK 8-Stunden-Mimg/m³ TA-Luft	ethyl-4-pipe 4-dionato-truppe	stoffe (VwVwS) of 27 July 2005 (Anhang 5.2.5 eridyl) [[3,5-bis(1,1-dimethylethyl)-4-hyd 5.2.1 O,O')tin D Zinnverbindungen, organische (als Sn be	
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National legislation Frantis All High Tack No data available National legislation Gerr Fix All High Tack WGK trimethoxyvinylsilane TA-Luft bis(1,2,2,6,6-pentame TA-Luft dioctylbis(pentane-2, Schwangerschaft G MAK 8-Stunden-Mi mg/m³ TA-Luft pyrithione zinc TA-Luft	ethyl-4-pipe 4-dionato-ruppe ittelwert	Stoffe (VwVwS) of 27 July 2005 (Anhang 5.2.5 eridyl) [[3,5-bis(1,1-dimethylethyl)-4-hyd 5.2.1 O,O')tin D Zinnverbindungen, organische (als Sn be gemessen als einatembare Fraktion (vgl 5.2.5	
National legislation Frantis All High Tack No data available National legislation Gerr Fix All High Tack WGK trimethoxyvinylsilane TA-Luft bis(1,2,2,6,6-pentame) TA-Luft dioctylbis(pentane-2, Schwangerschaft G MAK 8-Stunden-Mi mg/m³ TA-Luft pvrithione zinc TA-Luft National legislation Unit Fix All High Tack	ethyl-4-pipe 4-dionato-ruppe ittelwert	Stoffe (VwVwS) of 27 July 2005 (Anhang 5.2.5 eridyl) [[3,5-bis(1,1-dimethylethyl)-4-hyd 5.2.1 O,O')tin D Zinnverbindungen, organische (als Sn be gemessen als einatembare Fraktion (vgl 5.2.5	
National legislation Frantis All High Tack No data available National legislation Gerr Fix All High Tack WGK trimethoxyvinylsilane TA-Luft bis(1,2,2,6,6-pentam) TA-Luft dioctylbis(pentane-2, Schwangerschaft G MAK 8-Stunden-Mi mg/m³ TA-Luft pyrithione zinc TA-Luft National legislation Unit Fix All High Tack No data available	ethyl-4-pipe 4-dionato-ruppe tttelwert	Stoffe (VwVwS) of 27 July 2005 (Anhang 5.2.5 eridyl) [[3,5-bis(1,1-dimethylethyl)-4-hyd 5.2.1 O,O')tin D Zinnverbindungen, organische (als Sn be gemessen als einatembare Fraktion (vgl 5.2.5 5.2.1	
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National legislation Frantis All High Tack No data available National legislation Gerr Fix All High Tack WGK trimethoxyvinylsilane TA-Luft bis(1,2,2,6,6-pentam) TA-Luft dioctylbis(pentane-2, Schwangerschaft G MAK 8-Stunden-Mi mg/m³ TA-Luft pyrithione zinc TA-Luft National legislation Unit Fix All High Tack No data available	ethyl-4-pipe 4-dionato-ruppe tttelwert	Stoffe (VwVwS) of 27 July 2005 (Anhang 5.2.5 eridyl) [[3,5-bis(1,1-dimethylethyl)-4-hyd 5.2.1 O,O')tin D Zinnverbindungen, organische (als Sn be gemessen als einatembare Fraktion (vgl 5.2.5 5.2.1	
National legislation Frantis All High Tack No data available National legislation Gerr Fix All High Tack WGK trimethoxyvinylsilane TA-Luft bis(1,2,2,6,6-pentame) TA-Luft dioctylbis(pentane-2, Schwangerschaft G MAK 8-Stunden-Mi mg/m³ TA-Luft pyrithione zinc TA-Luft National legislation Unit Fix All High Tack No data available dioctylbis(pentane-2,	ethyl-4-pipe 4-dionato-ruppe tttelwert	Stoffe (VwVwS) of 27 July 2005 (Anhang 5.2.5 eridyl) [[3,5-bis(1,1-dimethylethyl)-4-hyd 5.2.1 O,O')tin D Zinnverbindungen, organische (als Sn be gemessen als einatembare Fraktion (vgl 5.2.5 5.2.1 M O,O')tin	

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Other relevant data

Fix All High Tack

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), hy <mark>drotreated 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-pentamethy <mark>l-4-piperidyl) [[3,5-bis(1,1-</mark> dimethylethyl)-4-hydroxyphenyl]methyl]butylmalonate		Chronic	ECHA
pyrithione zinc	10	Acute	Customer information THOR (2014-10-27)

Specific concentration limits CLP

dioctylbis(pentane-2.4-dionato-0.0')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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