

# 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 f<mark>resh air. Respiratory problems: consult</mark> a doctor/medical service.

#### After skin contact:

Rinse with water. Soap m<mark>ay be used. Take victim to a doctor if</mark> irritation persists.

#### After eye contact:

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

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: No effects known. 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

# SECTION 5: Firefighting measures

## 5.1. Extinguishing media

5.1.1 Suitable extinguishing media:

Small fire: Quick-acting ABC powder extinguisher, Quick-acting BC powder extinguisher, Quick-acting class B foam extinguisher, Quick-acting CO2 extinguisher.

- Major fire: Class B foam (<mark>not alcohol-resistant).</mark>
- 5.1.2 Unsuitable extinguishing media: Small fire: Water (quick-acting extinguisher, reel); risk of puddle expansion. Major fire: Water; risk of puddle expansion.

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

Upon combustion: formation of CO, CO2 and small quantities of nitrous vapours and formation of metallic fumes.

## 5.3. Advice for firefighters

5.3.1 Instructions:

- No specific fire-fighting instructions required.
- 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. Use appropriate containment to avoid environmental contamination.

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

Scoop solid spill into closing containers. Clean contaminated surfaces with a soap solution. Wash clothing and equipment after handling.

## 6.4. Reference to other sections

Reason for revision: 12

Publication date: 2011-05-20 Date of revision: 2018-04-24

See heading 13.				
CTION 7: Handling and	storage			
The information in this section is a gen	eral description. If applicable and available, expo	osure scenarios are attached in ann	nex. Always use the relevant e	xposur
scenarios that correspond to your iden				
7.1. Precautions for safe hand Keep away from naked flames/hear	l <b>ing</b> t. Observe normal hygiene standards. Keep cont	ainer tightly closed.		
7.2.1 Safe storage requirements:	e, including any incompatibilities	_		
Store in a dry area. Store at roo 7.2.2 Keep away from:	m temperature. Meet the legal requirements. N	lax. storage time: 1 year(s).		
Heat sources.				
7.2.3 Suitable packaging material:				
Synthetic material. 7.2.4 Non suitable packaging mate	rial			
No data available				
7.3. Specific end use(s)				
•	sure scenarios are attached in annex. See inform	nation supplied by the manufactur	er.	
	tuele / company logistics			
CHON 8: Exposure con	trols/personal protection			
8.1. Control parameters				
8.1.1 Occupational exposure				
a) Occupational exposure limit	values I available these will be listed below.			
b) National biological limit value				
	available these will be listed below.			
8.1.2 Sampling methods	he belock here			
If applicable and available it will 8 1 3 Applicable limit values when	using the substance or mixture as intended			
	using the substance of mixture as intended			
If limit values are applicable and	-			
If limit values are applicable and 8.1.4 DNEL/PNEC values	available these will be listed below.			
8.1.4 DNEL/PNEC values DNEL/DMEL - Workers	-			
8.1.4 DNEL/PNEC values <u>DNEL/DMEL - Workers</u> <u>trimethoxyvinylsilane</u>	available these will be listed below.	Value	Remark	
8.1.4 DNEL/PNEC values <u>DNEL/DMEL - Workers</u>	-	Value 27.6 mg/m <sup>3</sup>	Remark	
8.1.4 DNEL/PNEC values <u>DNEL/DMEL - Workers</u> <u>trimethoxyvinylsilane</u> Effect level (DNEL/DMEL) DNEL	available these will be listed below.  Type Long-term systemic effects inhalation Long-term systemic effects dermal		Remark	
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Revision number: 0602

b) Hand protection: Gloves.

c) Eye protection:

Eye protection not required in normal conditions.

d) Skin protection:

Protective clothing.

8.2.3 Environmental exposure controls:

See headings 6.2, 6.3 and 13

# SECTION 9: Physical and chemical properties

# 9.1. Information on basic physical and chemical properties

Physical form		Paste					
Odour		Characteristic odour					
Odour threshold		No data available					
Colour		Variable in colour, depending on the composition					
Particle size		No data available					
Explosion limits		No data available					
Flammability		Non-flammable					
Log Kow		Not applicable (mixture)					
Dynamic viscosity		No data available					
Kinematic viscosity		No data available					
Melting point		No data available					
Boiling point		No data available					
Evaporation rate		No data available					
Relative vapour density		<mark>No data availa</mark> ble					
Vapour pressure		No data available					
Solubility		Water ; insoluble					
		Organic solvents ; soluble					
Relative density		1.6 ; 20 °C					
Decomposition temperat	ture	No data available					
Auto-ignition temperatur	re	<mark>No data availa</mark> ble					
Flash point		<mark>No data availa</mark> ble					
Explosive properties		No chemical group associated with explosive properties					
Oxidising properties		No chemical group associated with oxidising properties					
рН		No data available					
Other information							
Surface tension		No data available					
Absolute density		1600 kg/m <sup>3</sup> ; 20 °C					

# 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

Precautionary measures Keep away from naked flames/heat.

10.5. Incompatible materials

No data available.

## 10.6. Hazardous decomposition products

Upon combustion: forma<mark>tion of CO, CO2 and small quantities o</mark>f nitrous vapours and formation of metallic fumes.

# SECTION 11: Toxicological information

11.1.1 Information on toxicological effects 11.1.1 Test results

## Acute toxicity

Fix All Floor&Wall

No (test)data on the mixture available

Reason for revision: 12

Revision number: 0602

Publication date: 2011-05-20 Date of revision: 2018-04-24

Product number: 51156

								I FIO	00					
Jud	lgement is based on	the	elevan	t ingr	edients									
<u>trir</u>	nethoxyvinylsilane Route of exposure	Dr	ramete	r N/	lethod	h	/alue		Ev,	oosure time	nocios	Value	Remark	
	Route of exposure	Pa	ramete	er ivi	lethod				EX		species	determination	Remark	
	Oral	LC	50	Ec 40	quivalent to O )1	7	/120 mg/ /236 mg/	′kg bw		F	Rat (male/female)	Experimental value		
	Dermal	LC	50		quivalent to O )2		3259 mg/ 3880 mg/		24	h f	Rabbit (female)	Converted value	2	
	Inhalation (vapours	;) LC	50		quivalent to O )3	ECD 1	16.8 mg/l		4 h	F	Rat (male/female)	Experimental value		
	t classified for acute	toxi	ity										I	
Corrosic	n/irritation													
	Floor&Wall (test)data on the m	ixtur	e availa	ble										
	lgement is based on				edients									
	nethoxyvinylsilane	Docu	+		Method		Expos	ure time	-	Timo point	Species	Value	Remark	
	Route of exposure	Resu	t		ivietnoa		Exposi	ire time		Time point	Species	determination	Remark	
	Eye	Not i	ritatin	3	OECD 405		24 h			1; 24; 48; 72 hour	s Rabbit	Experimental va	llue	
	Skin	Not i	ritatin	g			24 h			24; 48; 72 hours	Rabbit	Experimental va	llue	
	clusion													
	t classified as irritation to the state of the second second second second second second second second second s	-												
	t classified as irritati	-			ory system									
Respirat	ory or skin sensitisa	ition												
	Floor&Wall													
	(test)data on the mi Igement is based on				adiants									
	nethoxyvinylsilane	the	elevan	t ingr	eulents									
R	oute of exposure R	lesul	:	l	Method		Exposu	re time		Observation time	Species	Value determinati	on Remark	
S	kin N	lot se	ens <mark>itizir</mark>	g	OECD 406					oint 4; 48 hours	Guinea pig	Experimental value	e	
Conc	lusion							_			(male/female)			
No	t classified as sensiti													
No	t classified as sensiti	zing	or inha	latio	n									
Specific	target organ toxicity	у												
	Floor&Wall													
	test)data on the mix Igement is based on				edients									
	<u>nethoxyvinylsilane</u>				culento					_				
	Route of exposure	Para	meter	Me	ethod	Value		Organ		Effect	Exposure time	Species	Value determination	
	Oral (stomach tube)	LOA	EL	OE		62.5 m bw/day		Bladder		Histopatholog al changes	ic 6 weeks (daily) - weeks (daily)	8 Rat (male/female	Experimental value	
	Oral (stomach tube)	LOA	EL	OE	CD 422	250 mg bw/day	g/kg	Bladder	1		ic 6 weeks (daily) - weeks (daily)		Experimental	
	Inhalation	NOA	EC		ochronic	100 pp				No effect	14 weeks (6h/d	ay, 5 Rat	Experimental	
Conc	(vapours) :lusion		_	tox	cicity test						days/week)	(male/female	value	
	t classified for subch	ironi	to <mark>xicit</mark>	у										
Mutage	nicity (in vitro)													
Fix All	Floor&Wall													
No	(test)data on the m	ixtur	e availa	ble						_				
Reason	for revision: 12									F	Publication date: 20	)11-05-20		
										L L	Date of revision: 20	18-04-24		
Revision	number: 0602									F	Product number: 5	1156	5/1	10

			Fi	x All	Floor	&Wa					
trin	nethoxyvinylsilane										
	Result	Method		Т	est substrate		Effect			Value deter	mination
	Positive with metabolic	OECD 47	3	C	HL/IU cells		Chromoson	ne aberrat	ions I	Experiment	al value
	activation, positive witho	ut									
	metabolic activation										
	Negative with metabolic	OECD 47	6	C	ninese hamster o	vary (CHO)			1	Experimenta	al value
	activation, negative withe metabolic activation	but									
	Negative with metabolic	OECD 47	1	D	acteria (S.typhim	urium)	No effect			Experiment	alvaluo
	activation, negative with		T	B	acteria (S.typnim	unum)	NO effect		1	experimenta	al value
	metabolic activation	Jul									
Mutager	nicity (in vivo)										
	Floor&Wall										
	(test)data on the mixture	available									
	gement is based on the re		ents								
	-		citto								
	nethoxyvinylsilane Result	<b>I</b> N/	lethod	Evnosu	re time	Test subs	trato	Orgar	n	Valu	e determination
	Negative (Inhalation (vap		ECD 489		(1x/day)	Rat (fema		Orgai			erimental value
	lusion			5 ddys	(1), (1),	nut (remu				скре	
	classified for mutagenic (	or genotoxic to	vicity								
1100		of genotoxic te	JAICITY								
Carcinog	enicity										
-	-										
	Floor&Wall	a va ila la la									
	(test)data on the mixture										
	gement is based on the re	elevant ingredi	ents								
	lusion										
Not	classified for carcinogeni	city									
Reprodu	ctive toxicity										
Reprodu	cive toxicity										
Fix All	Floor&Wall										
No	(test)data on the mixture	available									
اميرا	gement is based on the re	elevant ingredi	ents								
Jud											
	nethoxyvinylsilane	Ū									
	nethoxyvinylsilane	Parameter	Method	Value	Exposure	time Spec	cies	Effect	O	rgan	Value
<u>trin</u>	nethoxyvinylsilane	Parameter	Method							rgan	Value determination
<u>trin</u>	<u>nethoxyvinylsilane</u> Developmental toxicity		EPA OTS	Value	10 days	Rat	cies (female)	<b>Effect</b> No effect		rgan	determination Experimental
<u>trin</u>	nethoxyvinylsilane	Parameter			10 days (gestatior	Rat				rgan	determination
<u>trin</u>	nethoxyvinylsilane Developmental toxicity (Inhalation (vapours))	Parameter	EPA OTS 798.4350	100 ppm	10 days (gestatior 6h/day)	Rat i	(female)	No effect		rgan	determination Experimental value
<u>trin</u>	Developmental toxicity (Inhalation (vapours)) Maternal toxicity	Parameter	EPA OTS 798.4350 EPA OTS		10 days (gestation 6h/day) 10 days	Rat (	(female)			rgan	determination Experimental value Experimental
<u>trin</u>	nethoxyvinylsilane Developmental toxicity (Inhalation (vapours))	Parameter	EPA OTS 798.4350	100 ppm	10 days (gestatior 6h/day) 10 days (gestatior	Rat (	(female)	No effect		rgan	determination Experimental value
trin	Developmental toxicity (Inhalation (vapours)) Maternal toxicity (Inhalation (vapours))	Parameter NOAEL NOAEL	EPA OTS 798.4350 EPA OTS 798.4350	100 ppm 25 ppm	10 days (gestatior 6h/day) 10 days (gestatior 6h/day)	Rat (	(female) (female)	No effect No effect		rgan	determination Experimental value Experimental value
trin	Developmental toxicity (Inhalation (vapours)) Maternal toxicity (Inhalation (vapours)) Effects on fertility (Oral	Parameter	EPA OTS 798.4350 EPA OTS	100 ppm 25 ppm 1000 mg	10 days (gestatior 6h/day) 10 days (gestatior 6h/day)	Rat (	(female) (female)	No effect		rgan	determination Experimental value Experimental value Experimental
<u>trin</u>	Developmental toxicity (Inhalation (vapours)) Maternal toxicity (Inhalation (vapours)) Effects on fertility (Oral (stomach tube))	Parameter NOAEL NOAEL	EPA OTS 798.4350 EPA OTS 798.4350	100 ppm 25 ppm	10 days (gestatior 6h/day) 10 days (gestatior 6h/day)	Rat (	(female) (female)	No effect No effect		rgan	determination Experimental value Experimental value
<u>trin</u> <u>Conc</u>	Developmental toxicity (Inhalation (vapours)) Maternal toxicity (Inhalation (vapours)) Effects on fertility (Oral (stomach tube)) Iusion	Parameter NOAEL NOAEL NOAEL (P)	EPA OTS 798.4350 EPA OTS 798.4350 OECD 422	100 ppm 25 ppm 1000 mg	10 days (gestatior 6h/day) 10 days (gestatior 6h/day)	Rat (	(female) (female)	No effect No effect		rgan	determination Experimental value Experimental value Experimental
<u>trin</u> <u>Conc</u>	Developmental toxicity (Inhalation (vapours)) Maternal toxicity (Inhalation (vapours)) Effects on fertility (Oral (stomach tube))	Parameter NOAEL NOAEL NOAEL (P)	EPA OTS 798.4350 EPA OTS 798.4350 OECD 422	100 ppm 25 ppm 1000 mg	10 days (gestatior 6h/day) 10 days (gestatior 6h/day)	Rat (	(female) (female)	No effect No effect		rgan	determination Experimental value Experimental value Experimental
<u>trin</u> <u>Conc</u> Not	Developmental toxicity (Inhalation (vapours)) Maternal toxicity (Inhalation (vapours)) Effects on fertility (Oral (stomach tube)) Iusion	Parameter NOAEL NOAEL NOAEL (P)	EPA OTS 798.4350 EPA OTS 798.4350 OECD 422	100 ppm 25 ppm 1000 mg	10 days (gestatior 6h/day) 10 days (gestatior 6h/day)	Rat (	(female) (female)	No effect No effect		rgan	determination Experimental value Experimental value Experimental
<u>trin</u> <u>Conc</u> Not Toxicity	Developmental toxicity (Inhalation (vapours)) Maternal toxicity (Inhalation (vapours)) Effects on fertility (Oral (stomach tube)) Iusion c classified for reprotoxic of other effects	Parameter NOAEL NOAEL NOAEL (P)	EPA OTS 798.4350 EPA OTS 798.4350 OECD 422	100 ppm 25 ppm 1000 mg	10 days (gestatior 6h/day) 10 days (gestatior 6h/day)	Rat (	(female) (female)	No effect No effect		rgan	determination Experimental value Experimental value Experimental
<u>Conc</u> Not Toxicity	Developmental toxicity (Inhalation (vapours)) Maternal toxicity (Inhalation (vapours)) Effects on fertility (Oral (stomach tube)) Lusion : classified for reprotoxic o other effects Floor&Wall	Parameter NOAEL NOAEL NOAEL (P)	EPA OTS 798.4350 EPA OTS 798.4350 OECD 422	100 ppm 25 ppm 1000 mg	10 days (gestatior 6h/day) 10 days (gestatior 6h/day)	Rat (	(female) (female)	No effect No effect		rgan	determination Experimental value Experimental value Experimental
<u>Conc</u> Not Toxicity	Developmental toxicity (Inhalation (vapours)) Maternal toxicity (Inhalation (vapours)) Effects on fertility (Oral (stomach tube)) Iusion c classified for reprotoxic of other effects	Parameter NOAEL NOAEL NOAEL (P)	EPA OTS 798.4350 EPA OTS 798.4350 OECD 422	100 ppm 25 ppm 1000 mg	10 days (gestatior 6h/day) 10 days (gestatior 6h/day)	Rat (	(female) (female)	No effect No effect		rgan	determination Experimental value Experimental value Experimental
<u>Conc</u> Not Toxicity <u>Fix All</u> No	Developmental toxicity (Inhalation (vapours)) Maternal toxicity (Inhalation (vapours)) Effects on fertility (Oral (stomach tube)) Lusion : classified for reprotoxic o other effects Floor&Wall	Parameter NOAEL NOAEL NOAEL (P) or developmen	EPA OTS 798.4350 EPA OTS 798.4350 OECD 422	100 ppm 25 ppm 1000 mg	10 days (gestatior 6h/day) 10 days (gestatior 6h/day)	Rat (	(female) (female)	No effect No effect		rgan	determination Experimental value Experimental value Experimental
<u>Conc</u> Not Toxicity <u>Fix All</u> No Chronic (	Developmental toxicity (Inhalation (vapours)) Maternal toxicity (Inhalation (vapours)) Effects on fertility (Oral (stomach tube)) Iusion classified for reprotoxic of other effects Floor&Wall (test)data on the mixture effects from short and lor	Parameter NOAEL NOAEL NOAEL (P) or developmen	EPA OTS 798.4350 EPA OTS 798.4350 OECD 422	100 ppm 25 ppm 1000 mg	10 days (gestatior 6h/day) 10 days (gestatior 6h/day)	Rat (	(female) (female)	No effect No effect		rgan	determination Experimental value Experimental value Experimental
<u>Conc</u> Not Toxicity <u>Fix All</u> No Chronic ( <u>Fix All</u>	Developmental toxicity (Inhalation (vapours)) Maternal toxicity (Inhalation (vapours)) Effects on fertility (Oral (stomach tube)) Lusion c classified for reprotoxic of other effects Floor&Wall (test)data on the mixture effects from short and lor Floor&Wall	Parameter NOAEL NOAEL NOAEL (P) or developmen	EPA OTS 798.4350 EPA OTS 798.4350 OECD 422	100 ppm 25 ppm 1000 mg	10 days (gestatior 6h/day) 10 days (gestatior 6h/day)	Rat (	(female) (female)	No effect No effect		rgan	determination Experimental value Experimental value Experimental
<u>Conc</u> Not Toxicity <u>Fix All</u> No Chronic ( <u>Fix All</u>	Developmental toxicity (Inhalation (vapours)) Maternal toxicity (Inhalation (vapours)) Effects on fertility (Oral (stomach tube)) Iusion classified for reprotoxic of other effects Floor&Wall (test)data on the mixture effects from short and lor	Parameter NOAEL NOAEL NOAEL (P) or developmen	EPA OTS 798.4350 EPA OTS 798.4350 OECD 422	100 ppm 25 ppm 1000 mg	10 days (gestatior 6h/day) 10 days (gestatior 6h/day)	Rat (	(female) (female)	No effect No effect		rgan	determination Experimental value Experimental value Experimental
<u>Conc</u> Not Toxicity <u>Fix All</u> No Chronic ( <u>Fix All</u> No	Developmental toxicity (Inhalation (vapours)) Maternal toxicity (Inhalation (vapours)) Effects on fertility (Oral (stomach tube)) Lusion classified for reprotoxic of other effects Floor&Wall (test)data on the mixture effects from short and low Floor&Wall effects known.	Parameter NOAEL NOAEL (P) or developmen available ng-term expos	EPA OTS 798.4350 EPA OTS 798.4350 OECD 422 OECD 422	100 ppm 25 ppm 1000 mg	10 days (gestatior 6h/day) 10 days (gestatior 6h/day)	Rat (	(female) (female)	No effect No effect		rgan	determination Experimental value Experimental value Experimental
<u>Conc</u> Not Toxicity <u>Fix All</u> No Chronic ( <u>Fix All</u> No	Developmental toxicity (Inhalation (vapours)) Maternal toxicity (Inhalation (vapours)) Effects on fertility (Oral (stomach tube)) Lusion c classified for reprotoxic of other effects Floor&Wall (test)data on the mixture effects from short and lor Floor&Wall	Parameter NOAEL NOAEL (P) or developmen available ng-term expos	EPA OTS 798.4350 EPA OTS 798.4350 OECD 422 OECD 422	100 ppm 25 ppm 1000 mg	10 days (gestatior 6h/day) 10 days (gestatior 6h/day)	Rat (	(female) (female)	No effect No effect		rgan	determination Experimental value Experimental value Experimental
<u>Conc</u> Not Toxicity <u>Fix All</u> No Chronic ( <u>Fix All</u> No SECTI(	Developmental toxicity (Inhalation (vapours)) Maternal toxicity (Inhalation (vapours)) Effects on fertility (Oral (stomach tube)) Lusion : classified for reprotoxic of other effects <u>Floor&amp;Wall</u> (test)data on the mixture effects from short and lor <u>Floor&amp;Wall</u> effects known. ON 12: Ecologi	Parameter NOAEL NOAEL (P) or developmen available ng-term expos	EPA OTS 798.4350 EPA OTS 798.4350 OECD 422 OECD 422	100 ppm 25 ppm 1000 mg	10 days (gestatior 6h/day) 10 days (gestatior 6h/day)	Rat (	(female) (female)	No effect No effect		rgan	determination Experimental value Experimental value Experimental
<u>Conc</u> Not Toxicity <u>Fix All</u> No Chronic ( <u>Fix All</u> No SECTI(	Developmental toxicity (Inhalation (vapours)) Maternal toxicity (Inhalation (vapours)) Effects on fertility (Oral (stomach tube)) Lusion classified for reprotoxic of other effects Floor&Wall (test)data on the mixture effects from short and low Floor&Wall effects known.	Parameter NOAEL NOAEL (P) or developmen available ng-term expos	EPA OTS 798.4350 EPA OTS 798.4350 OECD 422 OECD 422	100 ppm 25 ppm 1000 mg	10 days (gestatior 6h/day) 10 days (gestatior 6h/day)	Rat (	(female) (female)	No effect No effect		rgan	determination Experimental value Experimental value Experimental
<u>Conc</u> Not Toxicity <u>Fix All</u> No Chronic ( <u>Fix All</u> No SECTI( 12.1	Developmental toxicity (Inhalation (vapours)) Maternal toxicity (Inhalation (vapours)) Effects on fertility (Oral (stomach tube)) Lusion : classified for reprotoxic of other effects <u>Floor&amp;Wall</u> (test)data on the mixture effects from short and lor <u>Floor&amp;Wall</u> effects known. ON 12: Ecologi	Parameter NOAEL NOAEL (P) or developmen available ng-term expos	EPA OTS 798.4350 EPA OTS 798.4350 OECD 422 Ital toxicity ure	100 ppm 25 ppm 1000 mg bw/day	10 days (gestatior 6h/day) 10 days (gestatior 6h/day) /kg ≤ 43 day(:	, Rat (	(female) (female) (male)	No effect No effect			determination Experimental value Experimental value Experimental value
<u>Conc</u> Not Toxicity <u>Fix All</u> No Chronic ( <u>Fix All</u> No SECTI( 12.1	Developmental toxicity (Inhalation (vapours)) Maternal toxicity (Inhalation (vapours)) Effects on fertility (Oral (stomach tube)) Lusion : classified for reprotoxic of other effects <u>Floor&amp;Wall</u> (test)data on the mixture effects from short and lor <u>Floor&amp;Wall</u> effects known. ON 12: Ecologi	Parameter NOAEL NOAEL (P) or developmen available ng-term expos	EPA OTS 798.4350 EPA OTS 798.4350 OECD 422 OECD 422	100 ppm 25 ppm 1000 mg	10 days (gestatior 6h/day) 10 days (gestatior 6h/day)	Rat (	(female) (female) (male)	No effect No effect No effect	Fresh/sal		determination Experimental value Experimental value Experimental
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<u>trin</u> Conc Not Toxicity <u>Fix All</u> No Chronic ( <u>Fix All</u> No SECTI( 12.1 <u>Fix All</u> No	Developmental toxicity (Inhalation (vapours)) Maternal toxicity (Inhalation (vapours)) Effects on fertility (Oral (stomach tube)) Iusion : classified for reprotoxic of other effects Floor&Wall (test)data on the mixture effects from short and low Floor&Wall effects known. ON 12: Ecologi I. Toxicity Floor&Wall	Parameter NOAEL NOAEL (P) or developmen available ng-term expos Cal infor	EPA OTS 798.4350 EPA OTS 798.4350 OECD 422 Ital toxicity ure	100 ppm 25 ppm 1000 mg bw/day	10 days (gestatior 6h/day) 10 days (gestatior 6h/day) /kg ≤ 43 day(:	s) Rat i	(female) (female) (male) (male) Test	No effect No effect design	Fresh/sal	It Value ter Experi	determination Experimental value Experimental value Experimental value determination mental value
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Conc Not Toxicity Fix All No Chronic ( <u>Fix All</u> No SECTIC 12.1	Developmental toxicity (Inhalation (vapours)) Maternal toxicity (Inhalation (vapours)) Effects on fertility (Oral (stomach tube)) Iusion : classified for reprotoxic of other effects Floor&Wall (test)data on the mixture effects from short and low Floor&Wall effects known. ON 12: Ecologi I. Toxicity Floor&Wall	Parameter NOAEL NOAEL (P) or developmen available ng-term expos cal infor Parameter ic ErC50	EPA OTS 798.4350 EPA OTS 798.4350 OECD 422 ttal toxicity ure mation Method OECD 201	25 ppm 100 ppm 100 ppm 1000 mg bw/day Value 190 mg/l	10 days (gestatior 6h/day) 10 days (gestatior 6h/day) /kg ≤ 43 day(:	s) Rat i	(female) (female) (male) (male) Test	No effect No effect design	Fresh/sal water	It Value ter Experi	determination Experimental value Experimental value Experimental value determination mental value
<u>Conc</u> Not Toxicity <u>Fix All</u> No Chronic ( <u>Fix All</u> No SECTIC 12.1	Developmental toxicity (Inhalation (vapours)) Maternal toxicity (Inhalation (vapours)) Effects on fertility (Oral (stomach tube)) Iusion : classified for reprotoxic of other effects Floor&Wall (test)data on the mixture effects from short and low Floor&Wall effects known. ON 12: Ecologi I. Toxicity Floor&Wall Eloor&Wall	Parameter NOAEL NOAEL (P) or developmen available ng-term expos cal infor Parameter ic ErC50	EPA OTS 798.4350 EPA OTS 798.4350 OECD 422 ttal toxicity ure mation Method OECD 201	25 ppm 100 ppm 100 ppm 1000 mg bw/day Value 190 mg/l	10 days (gestatior 6h/day) 10 days (gestatior 6h/day) /kg ≤ 43 day(:	s) Rat i	(female) (female) (male) (male) Test	No effect No effect design	Fresh/sal water	It Value ter Experi	determination Experimental value Experimental value Experimental value determination mental value
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Conc Not Toxicity Fix All No Chronic ( Fix All No SECTIO 12.1 Fix All No SECTIO 12.1	Developmental toxicity (Inhalation (vapours)) Maternal toxicity (Inhalation (vapours)) Effects on fertility (Oral (stomach tube)) Iusion : classified for reprotoxic of other effects Floor&Wall (test)data on the mixture effects from short and low Floor&Wall effects known. ON 12: Ecologi I. Toxicity Floor&Wall Eloor&Wall	Parameter NOAEL NOAEL (P) or developmen available ng-term expos cal infor Parameter ic ErC50	EPA OTS 798.4350 EPA OTS 798.4350 OECD 422 ttal toxicity ure mation Method OECD 201	25 ppm 100 ppm 100 ppm 1000 mg bw/day Value 190 mg/l	10 days (gestatior 6h/day) 10 days (gestatior 6h/day) /kg ≤ 43 day(:	s) Rat i	(female) (female) (male	No effect No effect design c system date: 201:	Fresh/sal water Fresh wat	It Value ter Experi	determination Experimental value Experimental value Experimental value determination mental value
Conc Not Toxicity Fix All No Chronic ( Fix All No SECTIO 12.1 Fix All No SECTIO 12.1	Developmental toxicity (Inhalation (vapours)) Maternal toxicity (Inhalation (vapours)) Effects on fertility (Oral (stomach tube)) Iusion : classified for reprotoxic of other effects Floor&Wall (test)data on the mixture effects from short and lor Floor&Wall effects known. ON 12: Ecologi I. Toxicity Floor&Wall Eloor&Wall	Parameter NOAEL NOAEL (P) or developmen available ng-term expos cal infor Parameter ic ErC50	EPA OTS 798.4350 EPA OTS 798.4350 OECD 422 ttal toxicity ure mation Method OECD 201	25 ppm 100 ppm 100 ppm 1000 mg bw/day Value 190 mg/l	10 days (gestatior 6h/day) 10 days (gestatior 6h/day) /kg ≤ 43 day(:	s) Rat i	(female) (female) (male) (male) rethnerie stati itata	No effect No effect design c system date: 201:	Fresh/sal water Fresh wat	It Value ter Experi	determination Experimental value Experimental value Experimental value determination mental value
Conc Not Toxicity Fix All No Chronic ( Fix All No SECTIO 12.1 Fix All No SECTIO 12.1	Developmental toxicity (Inhalation (vapours)) Maternal toxicity (Inhalation (vapours)) Effects on fertility (Oral (stomach tube)) Iusion : classified for reprotoxic of other effects Floor&Wall (test)data on the mixture effects from short and lor Floor&Wall effects known. ON 12: Ecologi I. Toxicity Floor&Wall Eloor&Wall	Parameter NOAEL NOAEL (P) or developmen available ng-term expos cal infor Parameter ic ErC50	EPA OTS 798.4350 EPA OTS 798.4350 OECD 422 ttal toxicity ure mation Method OECD 201	25 ppm 100 ppm 100 ppm 1000 mg bw/day Value 190 mg/l	10 days (gestatior 6h/day) 10 days (gestatior 6h/day) /kg ≤ 43 day(:	s) Rat i	(female) (female) (male	No effect No effect design c system date: 201:	Fresh/sal water Fresh wat	It Value ter Experi	determination Experimental value Experimental value Experimental value determination mental value
Conc Not Toxicity Fix All No Chronic Fix All No SECTI 12.1 Fix All Fix All Toxic plant Judge Reason f	Developmental toxicity (Inhalation (vapours)) Maternal toxicity (Inhalation (vapours)) Effects on fertility (Oral (stomach tube)) Iusion : classified for reprotoxic of other effects Floor&Wall (test)data on the mixture effects from short and lor Floor&Wall effects known. ON 12: Ecologi I. Toxicity Floor&Wall Eloor&Wall	Parameter NOAEL NOAEL (P) or developmen available ng-term expos cal infor Parameter ic ErC50	EPA OTS 798.4350 EPA OTS 798.4350 OECD 422 ttal toxicity ure mation Method OECD 201	25 ppm 100 ppm 100 ppm 1000 mg bw/day Value 190 mg/l	10 days (gestatior 6h/day) 10 days (gestatior 6h/day) /kg ≤ 43 day(:	s) Rat i	(female) (female) (male	No effect No effect No effect design c system date: 2011: sion: 2018	Fresh/sal water Fresh wat 1-05-20 3-04-24	It Value ter Experi	determination Experimental value Experimental value Experimental value determination mental value

methoxyvinylsilane						-	-	
	Parameter	Method	Value	Duration	Species	Test design	Fresh/salt water	Value determinatio
Acute toxicity fishes	LC50		191 mg/l	96 h	Oncorhynchus mykiss		Fresh water	Experimental value; Nominal concentration
Acute toxicity crustacea	EC50	EU Method C.2	168.7 mg/l	48 h	Daphnia magna	Static system	Fresh water	Experimental value, GLP
Toxicity algae and other aqu <mark>ations and and a second sec</mark>	EC50	EPA 67014- 73-0	210 mg/l	7 day(s)	Pseudokirchnerie Ila subcapitata	Static system	Fresh water	Experimental value Nominal concentration
Long-term toxicity fish								Data waiving
Long-term toxicity aquatic crustacea	NOEC	OECD 211	28.1 mg/l	21 day(s)		Semi-static system	Fresh water	Experimental value GLP

#### **Conclusion**

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

## 12.2. Persistence and degradability

Value	Duration	Value determination
51 %; GLP	28 day(s)	Experimental value
Value	Conc. OH-radicals	Value determination
0.56 day(s)	500000 /cm <sup>3</sup>	Calculated value
Value	Primary degradation/mineralisation	Value determination
< 2.4 h; pH = 7	Primary degradation	Weight of evidence
	51 %; GLP Value 0.56 day(s) Value	51 %; GLP     28 day(s)       Value     Conc. OH-radicals       0.56 day(s)     500000 /cm³       Value       Primary degradation/mineralisation

#### **Conclusion**

Contains non readily biodegradable component(s)

#### 12.3. Bioaccumulative potential

# Fix All Floor&Wall

Log Kow
---------

Method	Remark	Value	Temperature	Value determination
	Not applicable (mixture)			
trimethoxyvinylsilane				
Log Kow			_	
Mathead	Domork	Value	Tomporaturo	Value determination

	Method	Remark	Value	Temperature	Value determination
	KOWWIN	Calculated	-2	20 °C	QSAR
Conc	lusion				

<u>Conclusion</u> Contains bioaccumulative component(s)

## 12.4. Mobility in soil

trimethoxyvinylsilane								
(log) Koc								
Parameter			Method			Value		Value determination
								Data waiving
Volatility (Henry's Law const	ant H)							
Value	Method	Temp	erature	Re	emark		Val	ue determination
8.72E-5 atm m³/mol		25 °C					Est	imated value

#### **Conclusion**

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

## 12.5. Results of PBT and vPvB assessment

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

#### 12.6. Other adverse effects

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# 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)

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# Publication date: 2011-05-20

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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

#### **European Union**

Can be considered as non hazardous waste according to Directive 2008/98/EC, as amended by Regulation (EU) No 1357/2014 and Regulation (EU) No 2017/997

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

08 04 10 (wastes from MFSU of adhesives and sealants (including waterproofing products): waste adhesives and sealants other than those mentioned in 08 04 09). 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. Do not discharge into drains or the environment. Dispose of at authorized waste collection point.

#### 13.1.3 Packaging/Container

**European Union** 

Waste material code packaging (Directive 2008/98/EC). 15 01 02 (plastic packaging).

# SECTION 14: Transport information

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

14.1. UN number	
Transport	Not subject
14.2. UN proper shipping na <mark>me</mark>	
14.3. Transport hazard class(es)	
Hazard identification number	
Class	
Classification code	
14.4. Packing group	
Packing group	
Labels	
14.5. Environmental hazards	
Environmentally hazardo <mark>us substance mark</mark>	no
14.6. Special precautions for user	
Special provisions	
Limited quantities	
14.7. Transport in bulk accor <mark>ding to Annex II of Marpol and the IBC</mark>	Code
Annex II of MARPOL 73/78	Not applicable, based on available data

# SECTION 15: Regulatory information

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

#### European legislation:

VOC content Directive 2010/75/EU

VOC content		Remark
< 2.61 %		
< 41.78 g/l		

#### **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.

	Designation of the substance, of the group of substances or of the mixture
· trimethoxyvinylsilane	<ul> <li>Liquid substances or mixtures which are regarded as dangerous in accordance with Directive 1999/45/EC or are fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008:</li> <li>(a) hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8</li> <li>(b) hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10;</li> <li>(c) hazard classe 4.1;</li> <li>1. Shall not be used in: <ul> <li>ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,</li> <li>tricks and jokes,</li> <li>games for one or more participants, or any article intended to be used as such, even with ornamental aspects,</li> <li>2. Articles not complying with paragraph 1 shall not be placed on the market.</li> <li>f;</li> <li>can be used as fuel in decorative oil lamps for supply to the general public, and,</li> <li>present an aspiration hazard and are labelled with R65 or H304,</li> <li>4. Decorative oil lamps for supply to the general public, shall not be placed on the market unless they conform to the European Standard on Decorative oil lamps (EN 14059) adopted by the European Committee for Standardisation (CEN).</li> <li>5. Without prejudice to the implementation of other Community provisions relating to</li> </ul></li></ul>
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evision number: 0602	Product number: 51156 8 / 10

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tripathous in dilana	(d) hazard class 5.1.	<ul> <li>the classification, packaging and labelling of dangerous substances and mixtures, suppliers shall ensure, before the placing on the market, that the following requirements are met: <ul> <li>a) lamp oils, labelled with R65 or H304, intended for supply to the general public are visibly, legibly and indelibly marked as follows: "Keep lamps filled with this liquid out of the reach of children"; and, by 1 December 2010, "Just a sip of lamp oil — or even sucking the wick of lamps — may lead to life-threatening lung damage";</li> <li>b) grill lighter fluids, labelled with R65 or H304, intended for supply to the general public are legibly and indelibly marked by 1 December 2010 as follows: "Just a sip of grill lighter may lead to life threatening lung damage";</li> <li>c) lamp oils and grill lighters, labelled with R65 or H304, intended for supply to the general public are packaged in black opaque containers not exceeding 1 litre by 1 December 2010.</li> <li>6. No later than 1 June 2014, the Commission shall request the European Chemicals Agency to prepare a dossier, in accordance with Article 69 of the present Regulation with a view to ban, if appropriate, grill lighter fluids and fuel for decorative lamps, labelled R65 or H304, intended for supply to the general public.</li> <li>7. Natural or legal persons placing on the market for the first time lamp oils and grill lighter fluids, labelled with R65 or H304, shall by 1 December 2011, and annually thereafter, provide data on alternatives to lamp oils and grill lighter fluids labelled R65 or H304 to the competent authority in the Member State concerned. Member States shall make those data available to the Commission.'</li> </ul> </li> </ul>	
- trimethoxyvinylsilane	Substances classified as flammable g category 1 or 2, flammable liquids ca 1, 2 or 3, flammable solids category 1 substances and mixtures which, in cc with water, emit flammable gases, ca 2 or 3, pyrophoric liquids category 1 pyrophoric solids category 1, regardl whether they appear in Part 3 of Anr that Regulation or not.	tegories       dispensers are intended for supply to the general public for entertainment and decorative         L or 2,       purposes such as the following:	
<u>National legislation Belgium</u> <u>Fix All Floor&amp;Wall</u> No data available National legislation The Net			
Fix All Floor&Wall	<u>includius</u>		
Waterbezwaarlijkheid	Z (1)		
<u>National legislation France</u> <u>Fix All Floor&amp;Wall</u> No data available			
National legislation German	х		
<u>Fix All Floor&amp;Wall</u> WGK		based on the components in compliance with Verwaltungsvorschrift wassergefährdender (Anhang 4) and Verordnung über Anlagen zum Umgang mit wassergefährdenden Stoffen	
trimethoxyvinylsilane	F 2 F		
TA-Luft	5.2.5		
<u>National legislation United I</u> <u>Fix All Floor&amp;Wall</u> No data available <u>Other relevant data</u> <u>Fix All Floor&amp;Wall</u> No data available			
	essment sment has been conducted for the mixt		
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SECTION 16: Other in			
Full text of any H-statement H226 Flammable liquid H332 Harmful if inhaled			
CLP (EU-GHS) C DMEL D DNEL D EC50 E ErC50 E LC50 L LC50 L NOAEL N NOEC N OECD O PBT P	NTERNAL CLASSIFICATION BY BIG lassification, labelling and packaging (Globally Harmonised System in Europe) erived Minimal Effect Level erived No Effect Level ffect Concentration 50 % C50 in terms of reduction of growth rate ethal Concentration 50 % ethal Dose 50 % lo Observed Adverse Effect Level lo Observed Effect Concentration Irganisation for Economic Co-operation and Development ersistent, Bioaccumulative & Toxic redicted No Effect Concentration		
	ludge Treatment Process		
vPvB ve	ery Persistent & very Bioaccumulative		
state of knowledge at the of the substances/prepar may be used. Old version substances/preparations substances/preparations take all measures dictate circumstances. BIG does parties. This safety data s in other countries, where local legislation. Use of th failing the general condit	afety 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 at time. The safety data sheet only constitutes a guideline for the safe handling, use, consumption, storage, transport and disposal rations/mixtures mentioned under point 1. New safety data sheets are written from time to time. Only the most recent versions as must be destroyed. Unless indicated otherwise word for word on the safety data sheet, the information does not apply to (mixtures in purer form, mixed with other substances or in processes. The safety data sheet offers no quality specification for the (mixtures in question. Compliance with the instructions in this safety data sheet does not release the user from the obligation to do by common sense, regulations and recommendations or which are necessary and/or useful based on the real applicable not guarantee the accuracy or exhaustiveness of the information provided and cannot be held liable for any changes by third sheet has been elaborated for use within the European Union, Switzerland, Iceland, Norway and Lichtenstein. It may be consulted a local legislation with regards to the set-up of safety data sheets will take precedence. It is your obligation to verify and apply such his safety data sheet is subject to the licence and liability limiting conditions as stated in your BIG licence agreement or when this is close of BIG. All intellectual property rights to this sheet are the property of BIG and its distribution and reproduction are limited.		
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