

SAFETY DATA SHEET

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

Soudaseal Mirror

SECTION 1: Identification of the substance/mixture and of the company/undertaking 1.1. Product identifier Product name : Soudaseal Mirror 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 Sealing compound 1.2.2 Uses advised against No uses advised against known 1.3. Details of the supplier of the safety data sheet Supplier of the safety data sheet SOUDAL N.V. Everdongenlaan 18-20 B-2300 Turnhout **2** +32 14 42 42 31 +32 14 42 65 14 msds@soudal.com Manufacturer of the product SOUDAL N.V. Everdongenlaan 18-20 B-2300 Turnhout **2** +32 14 42 42 31 +32 14 42 65 14 msds@soudal.com 1.4. Emergency telephone number 24h/24h (Telephone advice: English, French, German, Dutch): +32 14 58 45 45 (BIG) SECTION 2: Hazards identification 2.1. Classification of the substance or mixture Not classified as dangerous according to the criteria of Regulation (EC) No 1272/2008 2.2. Label elements Not classified as dangerous according to the criteria of Regulation (EC) No 1272/2008 2.3. Other hazards No other hazards known SECTION 3: Composition/information on ingredients 3.1. Substances Not applicable 3.2. Mixtures Name CAS No Classification according to CLP Note Conc. (C) Remark **REACH Registration No** EC No trimethoxyvinylsilane 2768-02-7 1%<C<3% Flam. Liq. 3; H226 (1)(10) Constituent 01-2119513215-52 220-449-8 Acute Tox. 4; H332 (1) For H-statements in full: see heading 16 (10) Subject to restrictions of Annex XVII of Regulation (EC) No. 1907/2006 Created by: Brandweerinformatiecentrum voor gevaarlijke stoffen vzw (BIG) Publication date: 2011-05-20 .34-15960-611-en Technische Schoolstraat 43 A, B-2440 Geel Date of revision: 2018-04-24 http://www.big.be © BIG vzw Reason for revision: 12

Revision number: 0602

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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

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See heading 13.							
CTION 7: Handling	and st	orage					
The information in this section	is a general o	description. If applie	cable and available, expo	sure scenarios are attac	ched in annex. Al	ways use the relevan	t exposu
scenarios that correspond to y	our identified	d use.					
7.1. Precautions for safe	e handling						
Keep away from naked flan	nes/heat. Ob	serve normal hygie	<mark>ne stan</mark> dards. Keep conta	iner tightly closed.			
7.2. Conditions for safe 7.2.1 Safe storage requirer		ncluding any inc	compatibilities				
• •		mperature. Meet th	ne legal requirements. Ma	ax. storage time: 1 year	(s).		
7.2.2 Keep away from:							
Heat sources.	atorial						
7.2.3 Suitable packaging m Synthetic material.	laterial:						
7.2.4 Non suitable packagi	ng material:						
No data available	5						
7.3. Specific end use(s)							
•	ole, exposure	scenarios are attac	hed in annex. See inform	ation supplied by the n	nanufacturer.		
CTION 8: Exposure	e contro	ols/persona	I protection				
0.1. Combrol a casa store							
8.1. Control parameters							
8.1.1 Occupational exposu							
a) Occupational exposu			listed holow				
If limit values are applic		hable these will be	isted below.				
b) National biological li							
If limit values are applic	able and ava	ilable these will be l	listed below.				
8.1.2 Sampling methods If applicable and availab	olo it will bo li	isted below					
8.1.3 Applicable limit value			mixture as intended				
		y the substance of					
	able and ava						
	able and ava	ilable these will be l					
8.1.4 DNEL/PNEC values							
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8.1.4 DNEL/PNEC values <u>DNEL/DMEL - Workers</u> <u>trimethoxyvinylsilane</u> <u>Effect level (DNEL/DMEL)</u> <u>DNEL</u> <u>DNEL/DMEL - General 1</u> <u>trimethoxyvinylsilane</u> <u>Effect level (DNEL/DMEL)</u> <u>DNEL</u> <u>DNEL</u> <u>DNEL</u> <u>PNEC</u> <u>trimethoxyvinylsilane</u> <u>Compartments</u> <u>Fresh water</u> <u>Aqua (intermittent remonser)</u> <u>Fresh water sediment</u> <u>Marine water sediment</u> <u>Soil</u> 8.1.5 Control banding If applicable and availat 8.2. Exposure controls The information in this sect scenarios that correspond to 8.2.1 Appropriate engineent Keep away from naked	VIEL) population VIEL) leases) t tople it will be li tion is a gene to your identi ring controls flames/heat.	Type Long-term system Long-term system <t< td=""><td>histed below. histed below. hist effects inhalation hist effects dermal hist effects dermal hist effects dermal hist effects oral alue .36 mg/l .4 mg/l .036 mg/l .6 mg/l .3 mg/kg sediment dw .035 mg/kg soil dw pplicable and available, each hist he open/under local exercts</td><td>27.6 mg/k 3.9 mg/k 18.9 mg/k 7.8 mg/k 0.3 mg/k 0.3 mg/k</td><td>3 bw/day</td><td>Remark</td><td>vant expo</td></t<>	histed below. histed below. hist effects inhalation hist effects dermal hist effects dermal hist effects dermal hist effects oral alue .36 mg/l .4 mg/l .036 mg/l .6 mg/l .3 mg/kg sediment dw .035 mg/kg soil dw pplicable and available, each hist he open/under local exercts	27.6 mg/k 3.9 mg/k 18.9 mg/k 7.8 mg/k 0.3 mg/k 0.3 mg/k	3 bw/day	Remark	vant expo
8.1.4 DNEL/PNEC values DNEL/DMEL - Workers trimethoxyvinylsilane Effect level (DNEL/DI DNEL DNEL/DMEL - General 1 trimethoxyvinylsilane Effect level (DNEL/DI DNEL DNEL PNEC trimethoxyvinylsilane Compartments Fresh water Aqua (intermittent re Marine water STP Fresh water sediment Marine water sediment Marine water sediment Soil 8.1.5 Control banding If applicable and availat 8.2. Exposure controls The information in this sect scenarios that correspond 8.2.1 Appropriate engineer Keep away from naked 8.2.2 Individual protection	VIEL) population VIEL) leases) leases) t to pole it will be li tion is a gene to your identi ring controls flames/heat. measures, si	Type Long-term system Independent system Long-term system Independent system	histed below. histed below. hist effects inhalation hist effects dermal hist effects dermal hist effects dermal hist effects oral alue .36 mg/l .4 mg/l .036 mg/l .4 mg/l .036 mg/l .3 mg/kg sediment dw .035 mg/kg soil dw pplicable and available, each the open/under local exploret were the open and the	27.6 mg/k 3.9 mg/k 18.9 mg/k 7.8 mg/k 0.3 mg/k 0.3 mg/k	3 bw/day	Remark	vant expo
8.1.4 DNEL/PNEC values DNEL/DMEL - Workers trimethoxyvinylsilane Effect level (DNEL/DM DNEL DNEL/DMEL - General, trimethoxyvinylsilane Effect level (DNEL/DM DNEL PNEC trimethoxyvinylsilane Compartments Fresh water Aqua (intermittent re Marine water STP Fresh water sediment Marine water sediment Marine water sediment Soil 8.1.5 Control banding If applicable and availat 8.2. Exposure controls The information in this sect scenarios that correspond to 8.2.1 Appropriate engineer Keep away from naked 8.2.2 Individual protection Observe normal hygien	VIEL) population VIEL) leases) leases) t to pole it will be li tion is a gene to your identi ring controls flames/heat. measures, si	Type Long-term system Independent system Long-term system Independent system	histed below. histed below. hist effects inhalation hist effects dermal hist effects dermal hist effects dermal hist effects oral alue .36 mg/l .4 mg/l .036 mg/l .4 mg/l .036 mg/l .3 mg/kg sediment dw .035 mg/kg soil dw pplicable and available, each the open/under local exploret were the open and the	27.6 mg/k 3.9 mg/k 18.9 mg/k 7.8 mg/k 0.3 mg/k 0.3 mg/k	3 bw/day	Remark	vant expo
8.1.4 DNEL/PNEC values DNEL/DMEL - Workers trimethoxyvinylsilane Effect level (DNEL/DM DNEL DNEL/DMEL - General, trimethoxyvinylsilane Effect level (DNEL/DM DNEL PNEC trimethoxyvinylsilane Compartments Fresh water Aqua (intermittent re Marine water STP Fresh water sediment Marine water sediment Marine water sediment Marine water sediment STP Fresh water sediment Marine water sediment Marine water sediment STP Fresh water sediment Marine water sediment Marine water sediment Soil 8.1.5 Control banding If applicable and availat 8.2. Exposure controls The information in this sect scenarios that correspond to 8.2.1 Appropriate engineer Keep away from naked 8.2.2 Individual protection Observe normal hygien a) Respiratory protection:	MEL)	Type Long-term system Long-term system <t< td=""><td>isted below.</td><td>27.6 mg/k 3.9 mg/k 18.9 mg/k 7.8 mg/k 0.3 mg/k 0.3 mg/k</td><td>3 bw/day</td><td>Remark</td><td>vant expo</td></t<>	isted below.	27.6 mg/k 3.9 mg/k 18.9 mg/k 7.8 mg/k 0.3 mg/k 0.3 mg/k	3 bw/day	Remark	vant expo
8.1.4 DNEL/PNEC values DNEL/DMEL - Workers trimethoxyvinylsilane Effect level (DNEL/DM DNEL DNEL/DMEL - General trimethoxyvinylsilane Effect level (DNEL/DM DNEL PNEC trimethoxyvinylsilane Compartments Fresh water Aqua (intermittent re Marine water STP Fresh water sediment Marine water sediment Marine water sediment Soil 8.1.5 Control banding If applicable and availat 8.2. Exposure controls The information in this sect scenarios that correspond to 8.2.1 Appropriate engineer Keep away from naked 8.2.2 Individual protection Observe normal hygien	MEL)	Type Long-term system Long-term system <t< td=""><td>isted below.</td><td>27.6 mg/k 3.9 mg/k 18.9 mg/k 7.8 mg/k 0.3 mg/k 0.3 mg/k</td><td>3 bw/day</td><td>Remark</td><td>vant expo</td></t<>	isted below.	27.6 mg/k 3.9 mg/k 18.9 mg/k 7.8 mg/k 0.3 mg/k 0.3 mg/k	3 bw/day	Remark	vant expo
8.1.4 DNEL/PNEC values DNEL/DMEL - Workers trimethoxyvinylsilane Effect level (DNEL/DI DNEL DNEL/DMEL - General 1 trimethoxyvinylsilane Effect level (DNEL/DI DNEL DNEL PNEC trimethoxyvinylsilane Compartments Fresh water Aqua (intermittent re Marine water STP Fresh water sediment Marine water sediment Soil 8.1.5 Control banding If applicable and availat 8.2. Exposure controls The information in this sect scenarios that correspond 8.2.1 Appropriate engineer Keep away from naked 8.2.2 Individual protection Observe normal hygien a) Respiratory protection: Respiratory protection	MEL)	Type Long-term system Long-term system <t< td=""><td>isted below.</td><td>27.6 mg/r 3.9 mg/kg 18.9 mg/kg 0.3 mg/kg 0.3 mg/kg</td><td>3 bw/day</td><td>Remark</td><td>vant expo</td></t<>	isted below.	27.6 mg/r 3.9 mg/kg 18.9 mg/kg 0.3 mg/kg 0.3 mg/kg	3 bw/day	Remark	vant expo
8.1.4 DNEL/PNEC values DNEL/DMEL - Workers trimethoxyvinylsilane Effect level (DNEL/DM DNEL DNEL/DMEL - General, trimethoxyvinylsilane Effect level (DNEL/DM DNEL PNEC trimethoxyvinylsilane Compartments Fresh water Aqua (intermittent re Marine water STP Fresh water sediment Marine water sediment Marine water sediment Marine water sediment STP Fresh water sediment Marine water sediment Marine water sediment STP Fresh water sediment Marine water sediment Marine water sediment Soil 8.1.5 Control banding If applicable and availat 8.2. Exposure controls The information in this sect scenarios that correspond to 8.2.1 Appropriate engineer Keep away from naked 8.2.2 Individual protection Observe normal hygien a) Respiratory protection:	MEL)	Type Long-term system Long-term system <t< td=""><td>isted below.</td><td>27.6 mg/r 3.9 mg/kg 18.9 mg/kg 0.3 mg/kg 0.3 mg/kg</td><td>3 bw/day</td><td>Remark</td><td>vant expo</td></t<>	isted below.	27.6 mg/r 3.9 mg/kg 18.9 mg/kg 0.3 mg/kg 0.3 mg/kg	3 bw/day	Remark	vant expo

b) Hand protection: Gloves.

<u>c) Eye protection:</u>

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		<mark>No data availa</mark> ble				
Explosion limits		<mark>No data availa</mark> ble				
Flammability		Non-flammable				
Log Kow		Not applicable (mixture)				
Dynamic viscosity		<mark>No data availa</mark> ble				
Kinematic viscosity		<mark>No data availa</mark> ble				
Melting point		No data available				
Boiling point		<mark>No data availa</mark> ble				
Evaporation rate		No data available				
Relative vapour density		<mark>No data availa</mark> ble				
Vapour pressure		<mark>No data availa</mark> ble				
Solubility		Water ; insoluble				
		Organic solvents ; soluble				
Relative density		1.6 ; 20 °C				
Decomposition temperat	ture	<mark>No data availa</mark> ble				
Auto-ignition temperatu	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		<mark>No data availa</mark> ble				
Other information						
Surface tension		<mark>No data availa</mark> ble				
Absolute density		1600 kg/m ³ ; 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: formation of CO, CO2 and small quantities of 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

Soudaseal Mirror

No (test)data on the mixture available

Reason for revision: 12

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

Product number: 51156

					S	Juu	asea	11				
Jud	gement is based on	the r	el <mark>evant</mark>	ingredients								
<u>trin</u>	nethoxyvinylsilane Route of exposure	Ра	ramete	Method		Value		Ехр	osure time	Species	Value	Remark
	Oral	LD	50	Equivalent to		<mark>7120 mg</mark> ,			F	Rat (male/female)	determination Experimental	
	Dermal	LD	50	401 Equivalent to	OECD	7236 mg, 3259 mg,	/kg bw -	24 ł	ı F	Rabbit (female)	value Converted value	
	Inhalation (vapours	5) LC	50	402 Equivalent to		3880 mg, 16.8 mg/		4 h	F	Rat (male/female)	Experimental	
Cond	lusion			403							value	
	t classified for acute	toxic	ity									
Corrosio	n/irritation											
	<u>seal Mirror</u> (test)data on the m	ixtur	e availat	le				4				
	gement is based on											
	nethoxyvinylsilane Route of exposure	Resu	t	Method		Expos	ure time	T	ime point	Species	Value	Remark
			ritating	OECD 40		24 h			; 24; 48; 72 hour		determination Experimental va	
	-				,							
	Skin	Not i	ritating			24 h		2	4; 48; 72 hours	Rabbit	Experimental va	lue
	t classified as irritati	ng to	the skir									
No	t classified as irritati	ng to	th <mark>e eye</mark>	s								
	t classified as irritati	-	the res	oratory system								
-	ory or skin sensitisa	ition										
	<u>seal Mirror</u> (test)data on the mi	ixtur	e availat	le								
	gement is based on	the I	elevant	ingredients								
	nethoxyvinylsilane oute of exposure	Pesult		Method		Exposu	ire time	0	bservation time	Species	Value determination	on Remark
		ic sun				слрози		ро	pint	•		Jinkemark
S	kin N	lot se	nsitizin	g OECD 406				24	1; 48 hours	Guinea pig (male/female)	Experimental value	
	lusion		in a lain									
	t classified as sensiti t classified as sensiti			ation								
Specific	target organ toxicity	у										
Soudas	seal Mirror											
	est)data on the mix											
	gement is based on nethoxyvinylsilane	the r	elevant	ingreatents								
	Route of exposure	Para	meter	Method	Value	:	Organ		Effect	Exposure time	Species	Value determination
	Oral (stomach tube)	LOA	EL	OECD 422	62.5 r bw/da		Bladder		Histopatholog al changes	ic 6 weeks (daily) - weeks (daily)	8 Rat (male/female)	Experimental value
	Oral (stomach tube)	LOA	EL	OECD 422	250 m bw/da	ng/kg	Bladder		Histopatholog al changes	· //		Experimental value
	Inhalation	NOA	EC	Subchronic	100 p				No effect	14 weeks (6h/da	ay, 5 Rat	Experimental
	(vapours) : lusion	<u> </u>		toxicity test			1			days/week)	(male/female)	value
No	t classified for subch	ronio	toxicity	,								
Vlutagei	nicity (in vitro)											
	<u>seal Mirror</u> (test)data on the m	ivtur	vavailat									
NO		ixtur	. avanai									
Reason f	or revision: 12								F	Publication date: 20)11-05-20	
										Date of revision: 20		
Revision	number: 0602								г	Product number: 51	1156	5/10
1011011	number: 0002								ŀ	i ouuce number. 51	1.1.50	5/10

			S	ouda	aseal N	/lirr	or				
trin	nethoxyvinylsilane										
	Result	Method		h	est substrate		Effect		Va	alue deter	mination
	Positive with metabolic activation, positive witho	ut OECD 47	3	G	CHL/IU cells		Chromo	osome aberra	tions Ex	periment	al value
	metabolic activation Negative with metabolic activation, negative with	OECD 47	6		Chinese hamster	ovary (CH	10)		Ex	periment	al value
	metabolic activation Negative with metabolic	OECD 47	1		Bacteria (S.typhi	murium)	No effe	ct	Ex	periment	al value
	activation, negative with metabolic activation	but						_			
Mutager	icity (in vivo)										
	<u>eal Mirror</u> (test)data on the mixture	available									
	gement is based on the re		ents								
<u>trin</u>	nethoxyvinylsilane	b				- E					
	Result Negative (Inhalation (vap		lethod ECD 489		ure time (1x/day)	Test su Rat (fe	ubstrate male)	Orga	n		erimental value
	lusion			5 duys	(1), (4)	100 (10	marcy			Expe	
Not	classified for mutagenic	or <mark>genotoxic to</mark>	xicity								
Carcinog	enicity										
	<u>eal Mirror</u> (test)data on the mixture	available									
	gement is based on the re	elevant ingredie	ents								
	lusion classified for carcinogeni	city									
Reprodu	ctive toxicity										
	<u>eal Mirror</u> (test)data on the mixture	available									
	gement is based on the re	elevant ingredi	ents								
<u>trin</u>	nethoxyvinylsilane	Parameter	Method	Value	Exposu	o time S	pecies	Effect	Org	an	Value
		rarameter	Nethod	Value	LAPUSU	c unic 5	pecies	LIICOL	org	an	determination
	Developmental toxicity (Inhalation (vapours))	NOAEL	EPA OTS 798.4350	100 ppn	n 10 days (gestatio 6h/day)	on,	at (female)	No effect			Experimental value
	Maternal toxicity (Inhalation (vapours))	NOAEL	EPA OTS 798.4350	25 ppm	10 days (gestatio 6h/day)	on,	at (female)	No effect			Experimental value
	Effects on fertility (Oral (stomach tube))	NOAEL (P)	OECD 422	1000 mg bw/day			at (male)	No effect			Experimental value
	lusion					I					<u> </u>
	classified for reprotoxic on the contract of t	or developmen	tal toxicity								
Soudas	<u>eal Mirror</u> (test)data on the mixture	available									
	effects from short and lor		ure								
	eal Mirror										
	effects known.										
SECTI	ON 12: Ecologi	cal infor	mation								
12.1	. Toxicity										
Soudas	eal Mirror	Paramotor	Method	Value	Duration	Spacio	<u> </u>	Tost dosign	Fresh/salt	Valuo	determination
		Parameter	ivietnoa	value	Duration	Specie	S	Test design	water	value	determination
Toxic plant	ity algae and other aquat s	ic ErC50	OECD 201	190 mg/l	72 h		okirchnerie s capitata	Static system	Fresh wate		mental value ilar product
Judge	ement of the mixture is ba	ased on the rel	evant ingredier	nts							
Reason f	or revision: 12						Publicat	tion date: 201	.1-05-20		
								revision: 201			
Revision	number: 0602						Product	number: 511	156		6/10

	_						
Parameter	Method	Value	Duration	Species	Test design	Fresh/salt water	Value determination
LC50		191 mg/l	96 h	Oncorhynchus mykiss		Fresh water	Experimental value; Nominal concentration
EC50	EU Method C.2	168.7 mg/l	48 h	Daphnia magna	Static system	Fresh water	Experimental value; GLP
EC50	EPA 67014- 73-0	210 mg/l	7 day(s)	Pseudokirchnerie Ila subcapitata	Static system	Fresh water	Experimental value; Nominal concentration
							Data waiving
NOEC	OECD 211	28.1 mg/l	21 day(s)			Fresh water	Experimental value; GLP
	EC50 EC50	LC50 EU Method EC50 EU Method C.2 EC50 EC50 EPA 67014- 73-0 Image: Comparison of the second s	LC50 EU Method C.2 191 mg/l EC50 EU Method C.2 168.7 mg/l EC50 EPA 67014- 73-0 210 mg/l	LC50 LC50 191 mg/l 96 h EC50 EU Method C.2 168.7 mg/l 48 h EC50 EPA 67014- 73-0 210 mg/l 7 day(s) Image: Comparison of the second sec	LC50EU Method C.2191 mg/l96 hOncorhynchus mykissEC50EU Method C.2168.7 mg/l48 hDaphnia magnaEC50EPA 67014- 73-0210 mg/l7 day(s)Pseudokirchnerie lla subcapitataNOECOECD 21128.1 mg/l21 day(s)Daphnia magna	LC50 Image: Static system EC50 EU Method C.2 168.7 mg/l 48 h Daphnia magna Static system EC50 EPA 67014- 73-0 210 mg/l 7 day(s) Pseudokirchnerie Static system Image: Static system Image: Static system Image: Static system Image: Static system Image: Static system Image: Static system Image: Static system Image: Static system Image: Static system Image: Static system Image: Static system Image: Static system Image: Static system Image: Static system Image: Static system Image: Static system Image: Static system Image: Static system Image: Static system Image: Static system Image: Static system Image: Static system Image: Static system Image: Static system Image: Static system Image: Static system Image: Static system Image: Static system Image: Static system Image: Static system Image: Static system Image: Static system Image: Static system Image: Static system Image: Static system Image: Static system Image: Static system Image: Static system Image: Static system Image: Static system Image: Static sy	LC50LO1000191 mg/l96 hOncorhynchus mykisswaterLC50EU Method C.2168.7 mg/l48 hDaphnia magnaStatic systemFresh waterEC50EU Method C.2168.7 mg/l48 hDaphnia magnaStatic systemFresh waterEC50EPA 67014- 73-0210 mg/l7 day(s)Pseudokirchnerie Ila subcapitataStatic systemFresh waterNOECOECD 21128.1 mg/l21 day(s)Daphnia magnaSemi-staticFresh water

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 ³	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

Soudaseal Mirror

Log Kow	Loa	Kow	
---------	-----	-----	--

Method	Remark	Value	Temperature	Value determination
	Not applicable (mixture)			
trimethoxyvinylsilane				
Log Kow			_	
Method	Remark	Value	Temperature	Value determination
KOWWIN	Calculated	-2	20 °C	QSAR

Conclusion

Contains bioaccumulative component(s)

12.4. Mobility in soil

trimethoxyvinylsilane								
(log) Koc								
Parameter			Method		Value		Value determination	
							Data waiving	
Volatility (Henry's Law cons	tant H)							
Value	Method	Temp	erature	Remark		Va	lue determination	
8.72E-5 atm m ³ /mol		25 °C				Est	timated 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

Soudaseal Mirror

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)

Reason for revision: 12

Publication date: 2011-05-20

Date of revision: 2018-04-24

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> C	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 	 Liquid substances or mixtures which are regarded as dangerous in accordance with Directive 1999/45/EC or are fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: (a) hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 (a) hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 (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; (c) hazard classe 4.1; 1. Shall not be used in: - ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays, - tricks and jokes, - games for one or more participants, or any article intended to be used as such, even with ornamental aspects, 2. Articles not complying with paragraph 1 shall not be placed on the market. (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; (c) hazard class 4.1; 1. Shall not be used in: - ornamental articles intended to produce light or colour effects to means of different phases, for example in ornamental lamps and ashtrays, - tricks and jokes, - games for one or more participants, or any article intended to be used as such, even with ornamental aspects, 2. Articles not complying with paragraph 1 shall not be placed on the market. (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; (c) hazard class 4.1; (c) hazard class 4.1;
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	shall ensure, before the pla a) lamp oils, labelled with F legibly and indelibly marke children"; and, by 1 Decem lamps — may lead to life- b) grill lighter fluids, labelle legibly and indelibly marke lead to life threatening lun c) lamp oils and grill lighter public are packaged in blac 6. No later than 1 June 201 to prepare a dossier, in acc ban, if appropriate, grill ligh intended for supply to the 7. Natural or legal persons fluids, labelled with R65 or provide data on alternative	d with R65 or H304, intended for supply to the general public are d by 1 December 2010 as follows: "Just a sip of grill lighter may g damage"; s, labelled with R65 or H304, intended for supply to the general k opaque containers not exceeding 1 litre by 1 December 2010. 4, the Commission shall request the European Chemicals Agency ordance with Article 69 of the present Regulation with a view to iter fluids and fuel for decorative lamps, labelled R65 or H304, general public. placing on the market for the first time lamp oils and grill lighter H304, shall by 1 December 2011, and annually thereafter, s to lamp oils and grill lighter fluids labelled R65 or H304 to the Member State concerned. Member States shall make those data
 trimethoxyvinylsilane 	category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to that Regulation or not.	mainly for decoration, ams, application of other Community provisions on the classification, ubstances, suppliers shall ensure before the placing on the of aerosol dispensers referred to above is marked visibly, legibly
<u>National legislation Belgium</u> <u>Soudaseal Mirror</u> No data available <u>National legislation The Net</u>		
Soudaseal Mirror Waterbezwaarlijkheid	Z (1)	
National legislation France Soudaseal Mirror No data available National legislation Germar		
Soudaseal Mirror WGK	2; Classification water polluting based on the components in corr Stoffe (VwVwS) of 27 July 2005 (Anhang 4) and Verordnung über (AwSV) of 18 April 2017	
trimethoxyvinylsilane		
TA-Luft <u>National legislation United l</u> <u>Soudaseal Mirror</u> No data available	5.2.5 Kingdom	
<u>Other relevant data</u> <u>Soudaseal Mirror</u> No data available		
15.2. Chemical safety ass No chemical safety asses	sessment sement has been conducted for the mixture.	
Reason for revision: 12		lication date: 2011-05-20 e of revision: 2018-04-24
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Soudaseal Mirror SECTION 16: Other information Full text of any H-statements referred to under heading 3: H226 Flammable liquid and vapour. H332 Harmful if inhaled. INTERNAL CLASSIFICATION BY BIG (*) CLP (EU-GHS) Classification, labelling and packaging (Globally Harmonised System in Europe) DMEL **Derived Minimal Effect Level** DNEL **Derived No Effect Level** EC50 Effect Concentration 50 % ErC50 EC50 in terms of reduction of growth rate LC50 Lethal Concentration 50 % LD50 Lethal Dose 50 % No Observed Adverse Effect Level NOAEL NOEC No Observed Effect Concentration OECD Organisation for Economic Co-operation and Development PBT Persistent, Bioaccumulative & Toxic Predicted No Effect Concentration PNEC STP Sludge Treatment Process vPvB very Persistent & very Bioaccumulative 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 has been elaborated for use within the European Union, Switzerland, Iceland, Norway and Lichtenstein. It may be consulted in other countries, where local legislation with regards to the set-up of safety data sheets will take precedence. It is your obligation to verify and apply such local legislation. 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. Reason for revision: 12 Publication date: 2011-05-20 Date of revision: 2018-04-24

Product number: 51156