

### SAFETY DATA SHEET

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

### **Chemical Anchoring CA1400**

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

#### 1.1. Product identifier

Product name

: Chemical Anchoring CA1400

- Registration number REACH : Not applicable (mixture)
- Product type REACH : 2-component system

This product is a kit or a 2-component system. This safety data sheet has three parts: one with limited information on the 2-component system and two safety data sheets for the components.

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

1.2. Relevant idei	ntified uses of the subs	tance or mixture	and uses ad	vised against	
<u>1.2.1 Relevant ide</u> Adhesive	ntified uses				
1.2.2 Uses advised	<u>against</u> d against <mark>known</mark>				
	supplier of the safety	data sheet			
Supplier of the saf	ety data s <mark>heet</mark>				
SOUDAL N.V. Everdongenlaar	10.20				
B-2300 Turnhou					
<ul> <li>2 + 32 14 42 42</li> <li>→ + 32 14 42 65</li> </ul>					
msds@soudal.c					
Manufacturer of t	ne product				
SOUDAL N.V.					
Everdongenlaar B-2300 Turnh					
	31				
1.4. Emergency to					
	hone advice: English, French,	German, Dutch):			
	45 45 (BI <mark>G</mark> )	. ,			
	ards identificatic				
SECTION 2. FId2		/11			
	of the s <mark>ubstance or m</mark>	ixture			
See separate co	omponents				
2.2. Label elemer					
See separate co	omponents				
2.3. Other hazard					
No other hazar	ds known				
	nposition/inform	ation on ing	redients		
3.1. Substances					
Not applicable					
3.2. Mixtures					
			_		
Name		CAS No	Conc. (C)	Classification according to CLP Note	Remark
REACH Registration N		EC No			
Chemical Anchoring C	A1400, Co <mark>mponent A</mark>			Eye Irrit. 2; H319 Skin Sens. 1; H317	
Chemical Anchoring C	A1400, Component B			Eye Irrit. 2; H319	
				Skin Sens. 1; H317	
Created by: Brandweerinf	ormatiecentrum voor gevaar	lijke stoffen vzw (BIG)		Publication date: 2010-11-28	u e
Technische Schoolstraat 4				Date of revision: 2015-09-21	-472-
http://www.big.be © BIG vzw					2960
Reason for revision: ATP4					134-15960-472-en
Revision number: 0100				Product number: 50583	1/3
			-		

# **Chemical Anchoring CA1400**

CTION 14: Transpo	rt information	
Road (ADR)		
14.1. UN number		
Transport		Not subject
14.2. UN proper shipping na	me	Notousjeet
14.3. Transport hazard class		
Hazard identification nur	nber	
Class		
Classification code		
14.4. Packing group		
Packing group		
Labels 14.5. Environmental hazards		
Environmentally hazardo		no
14.6. Special precautions for		
Special provisions		
Limited quantities		
·		
Rail (RID)		
14.1. UN number		Nist subject
Transport	<b>m</b> 0	Not subject
14.2. UN proper shipping na 14.3. Transport hazard class	es)	
Hazard identification nur		
Class		
Classification code		
14.4. Packing group		
Packing group		
Labels		
14.5. Environmental hazards		
Environmentally hazardo	us substance mark	no
14.6. Special precautions for	user	
Special provisions		
Limited quantities		
Inland waterways (ADN) 14.1. UN number		
Transport		Not subject
14.2. UN proper shipping na	me	
14.3. Transport hazard class		
Class		
Classification code		
14.4. Packing group		
Packing group		
Labels		
14.5. Environmental hazards		
Environmentally hazardo 14.6. Special precautions for		no
Special provisions	user	
Limited quantities		
<u> </u>		
Sea (IMDG/IMSBC)		
14.1. UN number		
Transport	<b>mo</b>	Not subject
14.2. UN proper shipping na 14.3. Transport hazard class		
Class	,	
14.4. Packing group		
Packing group		
Labels		
14.5. Environmental hazards		
Marine pollutant		
Environmentally hazardo		no
14.6. Special precautions for	user	
Special provisions		
Limited quantities		
14.7. Transport in bulk accor	ding to Annex II of Marpol and the IBC	Code
son for revision: ATP4		Publication date: 2010-11-28
		Date of revision: 2015-09-21
icion number 0100		
ision number: 0100		Product number: 50583 2 ,

### Chemical Anchoring CA1400

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autorestination       Image: Contract of Large of Lar	Annex II of MARPOL 73/	78	Not applicable	
11. Un number       Hot subject         12. Un proper shipping names       Hot subject         13. Trango trand carge(s)       Hot subject         14. Shipping names       Hot subject         14. Shipping names       Hot subject         15. Trango trand carge(s)       Hot subject         14. Shipping names       Hot subject         15. Strangendum for user       Hot subject         16. Special provisions       Factor and carge transport         Special provisions       Special provisions         Special provisions       Factor and carge transport         Special provisions				
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1.1. Unproper shipping name         1.3. Transport         Exec         1.4. Proper shipping name         1.5. Proper shipping name         1.4.				
as more revision: Attri       Image: more revision: Attri	Transport		Not subject	
Instruction       Image:				
1.1. Produce group		(es)		
adding group       no         13. Environmental hazards       no         13. Executions for user       image: constraint index status in the execution	Class			
<form><form><form><form><form></form></form></form></form></form>	14.4. Packing group			
1.1.6. Evindenmental hazards       Introductional hazards usbalance mail       Interval metal hazards usbalance mail       Interval metal hazards				
Invirumentally harardyos sublance mark       jo         1940. Special provisions       Beseial provisions         Beseial provisions       Invirumentally harardyos sublance mark         Beseial prov				
exen for revision: ATP4				
Pescal provisions Percent diverge transport: limited quantities; maximum net quantity per packaging	Environmentally hazard	ous substance mark	no	
exenfor revision: ATP4		ruser		
texon for revision: ATP4	Special provisions			
textor for revision. ATT4		nsport: limited quantities: maximum n	et quantity	
Date of revision: 2015-09-21	per packaging			
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Date of revision: 2015-09-21	eason for revision: ATP4		Publication date: 2010-11-28	
			Date of revision: 2015-09-21	2 / 2



### **SAFETY DATA SHEET**

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

### **Chemical Anchoring CA1400, Component A**

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

#### 1.1. Product identifier

Product name Registration number REACH Product type REACH

- : Chemical Anchoring CA1 : Not applicable (mixture)
- : Mixture

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

1.2.1 Relevant identified uses Adhesive: component

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 ☎ +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 ☎ +32 14 42 42 31 ➡ +32 14 42 65 14 msds@soudal.com

#### 1.4. Emergency telephon<mark>e number</mark>

24h/24h (Telephone advice: English, French, German, Dutch): +32 14 58 45 45 (BIG)

#### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

Classified as danger	ous a <mark>ccording to the c</mark>	riteria of Regulation (EC) No 1272/2008
Class	Category	Hazard statements
Eye Irrit.	categ <mark>ory 2</mark>	H <mark>319: Causes serious</mark> eye irritation.
Skin Sens.	categ <mark>ory 1</mark>	H317: May cause an allergic skin reaction.

#### 2.2. Label elements

2.2. Edber elements		
$\langle \cdot \rangle$		
Contains: 2-hydroxyethyl	I methacrylate; ethylene dimethacrylate; hydroxypropyl methacrylate.	
Signal word	Warning	
H-statements		
H319	Causes serious eye irritation.	
H317	May cause an allergic skin reaction.	
P-statements		
P101	If medical advice is needed, have product container or label at hand.	
P102	Keep out of reach of children.	
P280	Wear protective gloves and eye protection/face protection.	
P302 + P352	IF ON SKIN: Wash with plenty of water and soap.	
P362 + P364	Take off contaminated clothing and wash it before reuse.	
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if presen	it and easy to do. Continue
	rinsing.	
P337 + P313	If eye irritation persists: Get medical advice/attention.	
Created by: Brandweerinformatiece	entrum voor gevaarlijke stoffen vzw (BIG) Publication date: 2007-02-2	
Technische Schoolstraat 43 A, B-244	40 Geel Date of revision: 2014-03-0	472
http://www.big.be		990
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Reason for revision: ATP4		134
Revision number: 0300	Product number: 44841	1/19

P333 + P313 P501 If skin irritation or rash occurs: Get medical advice/attention. Dispose of contents/container in accordance with local/regional/national/international regulation.

2.3. Other hazards

No other hazards known

#### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

Name REACH Registration No	CAS No EC No	Conc	. (C)	Classification according to CLF	Note	Remark
2-hydroxyethyl methacrylate 01-2119490169-29	868-77-9 212-782-2	5%<0		Eye Irrit. 2; H319 Skin Sens. 1; H317	(1)(2)(10)	Constituent
vinyltoluene	25013-15-4 246-562-2	1%<0		Flam. Liq. 3; H226 Acute Tox. 4; H332 Asp. Tox. 1; H304 Eye Irrit. 2; H319 STOT SE 3; H335 Skin Irrit. 2; H315	(1)(2)(10)	Constituent
ethylene dimethacrylate 01-2119965172-38	97-90-5 202-617-2	1%<0		STOT SE 3; H335 Skin Sens. 1; H317	(1)(8)(10)	Constituent
hydroxypropyl methacrylate	27813-02-1 248-666-3	1%<0		Eye Irrit. 2; H319 Skin Sens. 1; H317	(1)(10)	Constituent
1,1'-(p-tolylimino)dipropan-2-ol 01-2119980937-17	38668-48-3 254-075-1	0.1%		Acute Tox. 2; H300 Eye Dam. 1; H318 Aquatic Chronic 3; H412	(1)	Constituent

(8) Specific concentration limits, see heading 16

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

(2) Substance with a Community workplace exposure limit

(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 m<mark>edical advice.</mark>

After inhalation:

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

#### After skin contact:

Wipe off dry product from skin. Wash immediately with lots of water. Soap may be used. Take victim to a doctor if irritation persists.

#### After eye contact:

Rinse immediately with plenty of water. Do not apply neutralizing agents. Take victim to an ophthalmologist if irritation persists.

After ingestion:

Rinse mouth with water. Immediately after ingestion: give lots of water to drink. Victim is fully conscious: immediately induce vomiting. 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: Irritation of the eye tissue. 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 availabl<mark>e it will be listed below.</mark>

#### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Reason for revision: ATP4

Publication date: 2007-02-28 Date of revision: 2014-03-02

Revision number: 0300

#### **Chemical Anchoring CA1400, Component A** 5.1.1 Suitable extinguishing media: Water spray. Polyvalent foam. BC powder. Carbon dioxide. 5.1.2 Unsuitable extinguishing media: Solid water jet ineffective as extinguishing medium. 5.2. Special hazards arising from the substance or mixture Upon combustion: formation of CO, CO2 and small quantities of nitrous vapours. 5.3. Advice for firefighters 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 leaking substance. 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 an excess of water. 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. Insufficient ventilation: keep naked flames/sparks away. Insufficient ventilation: use spark-/explosionproof appliances and lighting system. Observe very strict hygiene - avoid contact. Keep container tightly closed. Remove contaminated clothing immediately. Do not discharge the waste into the drain. 7.2. Conditions for safe storage, including any incompatibilities 7.2.1 Safe storage requirements: Storage temperature: 5 - 25 °C. Store in a cool area. Store in a dry area. Keep only in the original container. Meet the legal requirements. Max. storage time: 1 year(s). 7.2.2 Keep away from: Heat sources, ignition sources, oxidizing agents, (strong) acids. 7.2.3 Suitable packaging material: Synthetic material. 7.2.4 Non suitable packaging material: No data available 7.3. Specific end use(s) If applicable and available, exposure scenarios are attached in annex. See information supplied by the manufacturer. SECTION 8: Exposure controls/personal protection 8.1. Control parameters 8.1.1 Occupational exposure a) Occupational exposure limit values If limit values are applicable and available these will be listed below. The Netherlands Time-weighted average exposure limit 8 h (Private occupational 2-Hydroxyethylmethacrylaat 0.04 ppm exposure limit value) Time-weighted average exposure limit 8 h (Private occupational 0.24 mg/m<sup>3</sup> exposure limit value)

Reason for revision: ATP4	

		<u> </u>			
Methylstyreen			rage exposure limit 8 h (Private occup	oational	10 ppm
		exposure limit valu Time-weighted ave	e) rage exposure limit 8 h (Private occur	oational	50 mg/m³
		exposure limit value			
Belgium					
Vinyltoluène (tous isomè <mark>res)</mark>		Time-weighted ave	rage exposure limit 8 h		50 ppm
			rage exposure limit 8 h		246 mg/m <sup>3</sup>
		Short time value	•		100 ppm
		Short time value			490 mg/m <sup>3</sup>
		Short time value			490 mg/m
USA (TLV-ACGIH)					
Vinyl toluene			rage exposure limit 8 h (TLV - Adopte	d Value)	50 ppm
		Short time value (T	LV - Adopted Value)		100 ppm
Germany					
Vinyltoluol (alle Isomeren)		Time-weighted ave	rage exposure limit 8 h (TRGS 900)		100 ppm
virgitoldor (dile isofficient)		-	rage exposure limit 8 h (TRGS 900)		490 mg/m <sup>3</sup>
		Time-weighted ave			450 mg/m
France					
Vinyltoluènes (tous isom <mark>ères)</mark>			rage exposure limit 8 h (VL: Valeur no	on	50 ppm
		réglementaire indic			
			rage exposure limit 8 h (VL: Valeur no	on	240 mg/m³
		réglementaire indic			L
b) National biological lim <mark>it value</mark>	<u>es</u>				
If limit values are applicable and		elow.			
.1.2 Sampling methods					
If applicable and available it will	be listed below.				
.1.3 Applicable limit values when		e as intended			
If limit values are applicable and	=				
.1.4 DNEL/PNEC values	available these will be listed b	elow.			
DNEL/DMEL - Workers					
2-hydroxyethyl methacrylate			heat a	Derred	
Effect level (DNEL/DMEL)	Туре		Value	Remark	
DNEL	Long-term systemic effect		4.9 mg/m <sup>3</sup>		
	Long-term systemic effect	cts dermal	1.3 mg/kg bw/day		
vinyltoluene					
Effect level (DNEL/DMEL)	Туре		Value	Remark	
DNEL	Long-term systemic effect		37 mg/m³		
	Long-term local effects ir	halation	37 mg/m³		
ethylene dimethacrylate					
Effect level (DNEL/DMEL)	Туре		Value	Remark	
DNEL	Long-term systemic effect	cts oral	2.45 mg/m <sup>3</sup>		
	Long-term systemic effect	cts dermal	1.3 mg/kg bw/day		
hydroxypropyl methacrylate					
Effect level (DNEL/DMEL)	Туре		Value	Remark	
DNEL	Long-term systemic effect	cts inhalation	14.7 mg/m <sup>3</sup>		
	Long-term systemic effect	cts dermal	4.2 mg/kg bw/day		
1,1'-(p-tolylimino)diprop <mark>an-2-ol</mark>					
Effect level (DNEL/DMEL)	Туре		Value	Remark	
DNEL	Long-term systemic effect	cts inhalation	2 mg/m <sup>3</sup>		
	Long-term systemic effect		0.6 mg/kg bw/day	1	
DNEL/DMEL - General populati	<b>v</b> ,				
2-hydroxyethyl methacrylate					
Effect level (DNEL/DMEL)	Туре		Value	Remark	
DNEL	Long-term systemic effect	cts inhalation	2.9 mg/m <sup>3</sup>		
	Long-term systemic effect		0.83 mg/kg bw/day		
	Long-term systemic effect		0.83 mg/kg bw/day	1	
ethylene dimethacrylate				1	
Effect level (DNEL/DMEL)	Туре		Value	Remark	
DNEL	Long-term systemic effect	ts inhalation	1.47 mg/m <sup>3</sup>		
	Long-term systemic effect		100 mg/kg bw/day		
	Long-term systemic effect		100 mg/kg bw/day		
hydroxypropyl methacrylate				1	
Effect level (DNEL/DMEL)	Туре		Value	Remark	
DNEL	Long-term systemic effect	ts inhalation	8.8 mg/m <sup>3</sup>		
	Long-term systemic effect		2.5 mg/kg bw/day	1	
	Long-term systemic effect		2.5 mg/kg bw/day		
	Long term systemic effet				
or revision: ATP4			Publication date: 2007-02	-78	
UT TEVISIUII. ATP4					
			Date of revision: 2014-03-	-02	
number: 0300			Product number: 44841		4/1

Effect level (DNEL/DME	EL)	Туре		Value		Remark
DNEL		Long-term system	ic effects inhalation	0.4 mg/m <sup>3</sup>		
		Long-term system	ic effects dermal	0.3 mg/kg		
		Long-term system	<mark>ic effec</mark> ts oral	0.3 mg/kg	ow/day	
NEC						
hydroxyethyl methacry	late					
Compartments			alue		Remark	
Fresh water			<mark>482 mg</mark> /l			
Marine water			<mark>482 mg</mark> /l			
Aqua (intermittent relea	ases)		mg/l			
STP			) mg/l			
Fresh water sediment			<mark>79 mg</mark> /kg sediment dw			
Marine water sedimen <mark>t</mark>			<mark>79 mg/</mark> kg sediment dw			
Soil		0.	<mark>476 mg</mark> /kg soil dw			
nyltoluene					·	
Compartments			alue		Remark	
Fresh water			0498 mg/l			
Salt water			<mark>002 mg</mark> /l			
Aqua (intermittent relea	ases)		<mark>013 mg</mark> /l			
Wastewater treatment	plant		mg/l			
Fresh water sediment			<mark>684 mg</mark> /kg sediment dw			
Marine water sediment			0684 mg/kg sediment dw			
Soil			<mark>133 mg</mark> /kg soil dw			
Food		2.	5 mg/kg food			
hylene dimethacrylate						
Compartments			alue		Remark	
Fresh water			139 mg/l		<u> </u>	
Marine water			0139 mg/l			
Aqua (intermittent relea	ases)		15 mg/l		_	
STP			mg/l			
Fresh water sediment			6 mg/kg sediment dw			
Marine water sediment			16 mg/kg sediment dw		_	
Soil		0.	239 mg/kg soil dw			
droxypropyl methacry <mark>la</mark>	ate	k			Barraula	
Compartments			alue		Remark	
Fresh water			904 mg/l			
Marine water	2000)		904 mg/l 972 mg/l			
Aqua (intermittent relea STP	dses)		<mark>) mg/l</mark>			
Fresh water sediment			<u>.</u>			
			28 mg/kg sediment dw 28 mg/kg sediment dw		_	
Marine water sediment			727 mg/kg soil dw			
Soil 1'-(p-tolylimino)dipropa		υ.	727 mg/kg soll dw			
Compartments	<u>III-Z-0I</u>	h	alue		Remark	
Fresh water			017 mg/l		Remark	
Marine water			0017 mg/l			
Aqua (intermittent relea	ases)		17 mg/l			
STP	uses)		9.5 mg/l			
Fresh water sediment			0782 mg/kg sediment dw			
Marine water sediment			0782 mg/kg sediment dw	1		
Soil			00782 mg/kg soil dw			

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. Insufficient ventilation: keep naked flames/sparks away. Insufficient ventilation: use spark-/explosionproof appliances and lighting system. Measure the concentration in the air regularly. Carry operations in the open/under local exhaust/ventilation or with respiratory protection.

#### 8.2.2 Individual protection measures, such as personal protective equipment

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

#### a) Respiratory protection:

Insufficient ventilation: wear respiratory protection.

#### b) Hand protection:

Gloves.

Reason for revision: ATP4

Materials	Breakthrough time	Thickness	
nitrile rubber	>480 minutes		
aterials (good resistance)			
Nitrile rubber.			
Eye protection:			
Safety glasses.			
Skin protection:			
Protective clothing.			
.3 Environmental exposu <mark>re controls</mark>			
See headings 6.2, 6.3 and 13			
500 medulings 0.2, 0.5 und 15			
ON 9: Physical and ch	emical properties		
N 9: Physical and ch			
ON 9: Physical and chonsing of the second se	l and chemical properties		
ON 9: Physical and cho nformation on basic physical Physical form Odour	and chemical properties Paste Characteristic odour		
ON 9: Physical and cho nformation on basic physical Physical form	and chemical properties Paste		
ON 9: Physical and cho nformation on basic physical Physical form Odour	and chemical properties         Paste         Characteristic odour         No data available         Beige		
ON 9: Physical and cho nformation on basic physical Physical form Odour Odour threshold	and chemical properties         Paste         Characteristic odour         No data available		
N 9: Physical and cho nformation on basic physical Physical form Odour Odour threshold Colour	Pand chemical properties         Paste         Characteristic odour         No data available         Beige         No data available         0.9 - 9.5 vol %		
NN 9: Physical and che nformation on basic physical Physical form Odour Odour threshold Colour Particle size	Paste         Characteristic odour         No data available         Beige         No data available		
N 9: Physical and che nformation on basic physical Physical form Odour Odour threshold Colour Particle size Explosion limits	and chemical properties         Paste         Characteristic odour         No data available         Beige         No data available         0.9 - 9.5 vol %         Non-flammable         Not applicable (mixture)		
N 9: Physical and che nformation on basic physical Physical form Odour Odour threshold Colour Particle size Explosion limits Flammability	and chemical properties         Paste         Characteristic odour         No data available         Beige         No data available         0.9 - 9.5 vol %         Non-flammable		
N 9: Physical and che nformation on basic physical Physical form Odour Odour threshold Colour Particle size Explosion limits Flammability Log Kow	and chemical properties         Paste         Characteristic odour         No data available         Beige         No data available         0.9 - 9.5 vol %         Non-flammable         Not applicable (mixture)		

No data available

water ; insoluble

<mark>No data availa</mark>ble No data available

No data available

No data available

No data available

Not applicable <mark>No data availa</mark>ble

, issociate actionly	

Explosive properties

Oxidising properties

9.2. Other information Absolute density

Evaporation rate

Vapour pressure Solubility

Relative density

Relative vapour density

Decomposition temperature Auto-ignition temperature

#### SECTION 10: Stability and reactivity

10.1. Reactivity

pН

No data available.

- 10.2. Chemical stability Stable under normal conditions.
- 10.3. Possibility of hazardous reactions

Reacts with (strong) oxidizers and with (some) acids.

#### 10.4. Conditions to avoid

Keep away from naked flames/heat. Insufficient ventilation: keep naked flames/sparks away. Insufficient ventilation: use spark-/explosionproof appliances and lighting system.

No chemical group associated with explosive properties No chemical group associated with oxidising properties

10.5. Incompatible materials Oxidizing agents, (strong) acids.

10.6. Hazardous decomposition products

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

#### SECTION 11: Toxicological information

- 11.1. Information on toxicological effects 11.1.1 Test results
- Acute toxicity

Chemical Anchoring CA1400, Component A

Reason for revision: ATP4

#### Publication date: 2007-02-28 Date of revision: 2014-03-02

Revision number: 0300

	i aramete	Metho	d V	alue	Exposure time	Species	Value Remark
Dral	ATE			5000 mg/kg bw		Rat	determination Calculated value
	ATE	-		100 mg/l		Rat	Calculated value
-hydroxyethyl metha			r	100 mg/1		nac	
Route of exposur		eter Me	thod	Value	Exposure time	Species	Value Remark
							determination
Oral	LD50			5564 mg/kg bw		Rat	Experimental value
Dermal	LD50			> 5000 mg/kg	24 h	Rabbit (male)	Experimental value
inyltoluene			alle a d	h ( - 1	<b>F</b>	<b>C</b>	http://www.i
Route of exposur	e Param	eter ivie	ethod	Value	Exposure time	Species	Value Remark determination
Oral	LD50			2000 mg/kg - 50	00	Rat (male)	Experimental value
				mg/kg			
Dermal	LD50	Otl	ner	2000 mg/kg bw ·	- 24 h	Rabbit	Experimental value
	) 1.00			5000 mg/kg bw	C 1	(male/female)	
Inhalation (vapou				9.459 mg/l	6 h	Rat (male/fema	· · ·
Inhalation (vapou thylene dimethacryl				category 4			Literature study
Route of exposur		eter Ma	ethod	Value	Exposure time	Species	Value Remark
noute of exposul				Value	Exposure time	Species	determination
Oral	LD50	Otl	ner	8700 mg/kg		Rat (male/fema	
Dermal	LD50	OE	CD 402	> 2000 mg/kg bv	v 24 h	Rat (male/fema	le) Experimental value
Inhalation							Data waiving
ydroxypropyl metha				h	-		
Route of exposur	e Param	eter Me	ethod	Value	Exposure time	Species	Value Remark determination
Oral	LD50	05	CD 401	≥ 2000 mg/kg bv	M	Rat (male/fema	
Dermal	LD50	UE		≥ 2000 mg/kg bv ≥ 5000 mg/kg bv		Rabbit (male)	Experimental value
Inhalation				_ 0000 mg/ kg DV			Data waiving
,1'-(p-tolylimino)dipi	ropan-2-ol						
Route of exposur		eter Me	ethod	Value	Exposure time	Species	Value Remark
							determination
Oral	LD50	OE	CD 423	25 mg/kg bw - 2	00	Rat (male/fema	le) Experimental value
Dermal	1050	05	CD 402	mg/kg bw	24 5	Det (male /feme	
Dermal	LD50	UE	CD 402	> 2000 mg/kg bw/day	24 h	Rat (male/fema	le) Experimental value
Inhalation udgement is based o <u>nclusion</u>		ant ingre	dients	Dw/day		-	Data waiving
udgement is based o <u>nclusion</u> lot classified for acut sion/irritation	e toxicity	-	dients	bw/uay			Data waiving
udgement is based o <u>nclusion</u> lot classified for acut sion/irritation <u>nical Anchoring CA1</u> lo (test)data on the r	te toxicity 400, Comp nixture ava	onent A	dients	bw/uay			Data waiving
udgement is based o <u>nclusion</u> lot classified for acut sion/irritation nical Anchoring CA1- lo (test)data on the r - <u>hydroxyethyl metha</u>	te toxicity 400, Comp mixture ava acrylate	onent A					
udgement is based o <u>nclusion</u> lot classified for acut sion/irritation <u>nical Anchoring CA1</u> lo (test)data on the r	te toxicity 400, Comp mixture ava acrylate	onent A	dients	Exposure tim	e Time point	Species	Value Remark
udgement is based o <u>nclusion</u> lot classified for acut sion/irritation nical Anchoring CA1- lo (test)data on the r - <u>hydroxyethyl metha</u>	400, Comp nixture ava acrylate Result	onent A			-	•	
udgement is based o nclusion lot classified for acut sion/irritation nical Anchoring CA1- lo (test)data on the r <u>-hydroxyethyl metha</u> Route of exposure	te toxicity 400, Comp mixture ava acrylate	onent A			-	Species	Value Remark determination
udgement is based o nclusion lot classified for acut sion/irritation nical Anchoring CA1- lo (test)data on the r <u>-hydroxyethyl metha</u> Route of exposure	400, Comp nixture ava acrylate Result	onent <u>A</u> ilable	Method Equivalent to		24; 48; 72 hr	rs; 4; 5; Rabbit	Value Remark determination
udgement is based o nclusion lot classified for acut sion/irritation nical Anchoring CA1- lo (test)data on the r -hydroxyethyl metha Route of exposure Eye Skin	te toxicity	onent <u>A</u> ilable	Method	Exposure time	24; 48; 72 hr 7 days	rs; 4; 5; Rabbit	Value determination Experimental value
udgement is based o nclusion lot classified for acut sion/irritation mical Anchoring CA1 lo (test)data on the r -hydroxyethyl metha Route of exposure Eye Skin inyltoluene	e toxicity	onent <u>A</u> ilable	Method Equivalent to OECD 404	Exposure time	24; 48; 72 hr 7 days 24; 72 hours	s; 4; 5; Rabbit Rabbit	Value     Remark       determination     Experimental value       Experimental value     Experimental value
udgement is based o nclusion lot classified for acut sion/irritation nical Anchoring CA1- lo (test)data on the r -hydroxyethyl metha Route of exposure Eye Skin	e toxicity	onent <u>A</u> ilable	Method Equivalent to	Exposure time	24; 48; 72 hr 7 days 24; 72 hours	rs; 4; 5; Rabbit	Value     Remark       determination     Experimental value       Experimental value     Experimental value       Value     Remark
udgement is based o nclusion lot classified for acut sion/irritation mical Anchoring CA1 lo (test)data on the r -hydroxyethyl metha Route of exposure Eye Skin inyltoluene	e toxicity	onent A illable	Method Equivalent to OECD 404	Exposure time	24; 48; 72 hr 7 days 24; 72 hours	s; 4; 5; Rabbit Rabbit	Value     Remark       determination     Experimental value       Experimental value     Experimental value
udgement is based o nclusion lot classified for acut sion/irritation mical Anchoring CA14 lo (test)data on the r -hydroxyethyl metha Route of exposure Eye Skin inyltoluene Route of exposure	e toxicity	onent A illable	Method Equivalent to OECD 404 Method	Exposure time	24; 48; 72 hr 7 days 24; 72 hours	s; 4; 5; Rabbit Rabbit Species	Value     Remark       determination     Experimental value       Experimental value     Experimental value       Value     Remark       determination     Remark
udgement is based o nclusion lot classified for acut sion/irritation mical Anchoring CA14 lo (test)data on the r -hydroxyethyl metha Route of exposure Eye Skin inyltoluene Route of exposure	e toxicity	ilable	Method Equivalent to OECD 404 Method Equivalent to OECD 405	Exposure time	24; 48; 72 hr 7 days 24; 72 hours	s; 4; 5; Rabbit Rabbit Species	Value     Remark       determination     Experimental value       Experimental value     Experimental value       Value     Remark       determination     Remark
udgement is based o nclusion lot classified for acut sion/irritation mical Anchoring CA14 lo (test)data on the r -hydroxyethyl metha Route of exposure Eye Skin inyltoluene Eye Eye	e toxicity	ilable	Method Equivalent to OECD 404 Method Equivalent to OECD 405	Exposure time	24; 48; 72 hr 7 days 24; 72 hours	s; 4; 5; Rabbit Rabbit Species Rabbit	Value determination       Remark         Experimental value       Experimental value         Experimental value       Value         Value determination       Remark         Weight of evidence       Single treat         Literature study       Experimental value
udgement is based o nclusion lot classified for acut sion/irritation mical Anchoring CA14 lo (test)data on the ri- hydroxyethyl metha Route of exposure Eye Skin inyltoluene Eye Eye Skin Skin	e toxicity	ilable	Method Equivalent to OECD 404 Method Equivalent to OECD 405	Exposure time	24; 48; 72 hr 7 days 24; 72 hours	s; 4; 5; Rabbit Rabbit Species	Value determination       Remark         Experimental value       Experimental value         Experimental value       Value determination         Weight of evidence       Single treat         Literature study       Experimental value
udgement is based o nclusion lot classified for acut sion/irritation mical Anchoring CA14 lo (test)data on the r -hydroxyethyl metha Route of exposure Eye Skin inyltoluene Eye Eye	e toxicity	ilable	Method Equivalent to OECD 404 Method Equivalent to OECD 405	Exposure time	24; 48; 72 hr 7 days 24; 72 hours	s; 4; 5; Rabbit Rabbit Species Rabbit	Value determination       Remark         Experimental value       Experimental value         Experimental value       Value         Value determination       Remark         Weight of evidence       Single treat         Literature study       Experimental value
udgement is based o nclusion lot classified for acut sion/irritation mical Anchoring CA14 lo (test)data on the ri- hydroxyethyl metha Route of exposure Eye Skin inyltoluene Eye Eye Skin Skin	e toxicity	ilable	Method Equivalent to OECD 404 Method Equivalent to OECD 405	Exposure time	24; 48; 72 hr 7 days 24; 72 hours	s; 4; 5; Rabbit Rabbit Species Rabbit	Value determination       Remark         Experimental value       Experimental value         Experimental value       Value determination         Weight of evidence       Single treat         Literature study       Experimental value
udgement is based o nclusion lot classified for acut sion/irritation mical Anchoring CA14 lo (test)data on the r i-hydroxyethyl metha Route of exposure Eye Skin inyltoluene Eye Eye Skin Skin Skin	e toxicity 400, Comp mixture availation acrylate Result Irritating Not irritat Result Irritating; 2 Irritating; 2 Irritating; 2	ilable	Method Equivalent to OECD 404 Method Equivalent to OECD 405	Exposure time	24; 48; 72 hr 7 days 24; 72 hours	s; 4; 5; Rabbit Rabbit Species Rabbit Human	Value determination       Remark         Experimental value
udgement is based o nclusion lot classified for acut sion/irritation mical Anchoring CA14 lo (test)data on the r -hydroxyethyl metha Route of exposure Eye Skin inyltoluene Eye Eye Skin Skin Skin Skin	e toxicity	ilable	Method Equivalent to OECD 404 Method Equivalent to OECD 405	Exposure time	24; 48; 72 hr 7 days 24; 72 hours	s; 4; 5; Rabbit Rabbit Species Rabbit Human	Value determination       Remark         Experimental value       Experimental value         Experimental value       Memark         Value determination       Remark         Value determination       Remark         Literature study       Single treat         Literature study       Experimental value         Literature study       Experimental value         Value       Remark         Memory       Experimental value         Value       Remark
udgement is based o nclusion lot classified for acut sion/irritation mical Anchoring CA1- lo (test)data on the r -hydroxyethyl metha Route of exposure Eye Skin invltoluene Eye Eye Eye Skin inhalation thylene dimethacryl Route of exposure	e toxicity 400, Comp mixture availant acrylate Result Irritating Not irritat Irritating; 2 Irritating; 2 Irritating; 2 Irritating; 2 Result Result Irritating; 2	ilable ilable ing category category	Method  Equivalent to OECD 404  Equivalent to OECD 405	Exposure time 24 h Exposure time 25 h Exposure time 26 h	e Time point	s; 4; 5; Rabbit Rabbit Species Rabbit Human Human Species	Value determination       Remark         Experimental value       Experimental value         Experimental value       Experimental value         Value determination       Remark         Value determination       Remark         Literature study       Single treat         Literature study       Experimental value         Literature study       Experimental value         Value determination       Remark
udgement is based o nclusion lot classified for acut sion/irritation mical Anchoring CA14 lo (test)data on the r -hydroxyethyl metha Route of exposure Eye Skin inyltoluene Eye Eye Skin Skin Inhalation thylene dimethacryl Route of exposure Eye	e toxicity 400, Comp mixture availant acrylate Result Irritating Irritating; 2 Irritating; 3 Irritat	ing category category	Method Equivalent to OECD 404 Equivalent to OECD 405 Equivalent to OECD 405	Exposure time 24 h Exposure time 25 h	e Time point	s; 4; 5; Rabbit Rabbit Species Rabbit Human Human Species Rabbit	Value determination       Remark         Experimental value       Experimental value         Experimental value       Experimental value         Value determination       Remark         Value determination       Remark         Literature study       Single treat         Literature study       Experimental value         Literature study       Experimental value         Value determination       Remark         Experimental value       Experimental value
udgement is based o nclusion lot classified for acut sion/irritation mical Anchoring CA1- lo (test)data on the r -hydroxyethyl metha Route of exposure Eye Skin inyltoluene Eye Eye Skin Inhalation thylene dimethacryl Route of exposure Eye Skin	e toxicity	ing category category	Method  Equivalent to OECD 404  Equivalent to OECD 405	Exposure time 24 h Exposure time 25 h	e Time point	s; 4; 5; Rabbit Rabbit Species Rabbit Human Human Species Rabbit	Value determination       Remark         Experimental value       Experimental value         Experimental value       Experimental value         Value determination       Remark         Value determination       Remark         Literature study       Single treat         Literature study       Experimental value         Literature study       Experimental value         Experimental value       Experimental value         Value determination       Remark         Weight of evidence       Weight of evidence
udgement is based o nclusion lot classified for acut sion/irritation mical Anchoring CA14 lo (test)data on the r -hydroxyethyl metha Route of exposure Eye Skin inyltoluene Eye Eye Skin Skin Inhalation thylene dimethacryl Route of exposure Eye	e toxicity 400, Comp mixture availant acrylate Result Irritating Irritating; 2 Irritating; 3 Irritat	ing category category	Method Equivalent to OECD 404 Equivalent to OECD 405 Equivalent to OECD 405	Exposure time 24 h Exposure time 25 h	e Time point	s; 4; 5; Rabbit Rabbit Species Rabbit Human Human Species Rabbit	Value determination       Remark         Experimental value       Experimental value         Experimental value       Experimental value         Value determination       Remark         Value determination       Remark         Literature study       Single treat         Literature study       Experimental value         Literature study       Experimental value         Value determination       Remark         Experimental value       Experimental value
udgement is based o nclusion lot classified for acut sion/irritation mical Anchoring CA1- lo (test)data on the r -hydroxyethyl metha Route of exposure Eye Skin inyltoluene Eye Eye Skin Inhalation thylene dimethacryl Route of exposure Eye Skin	e toxicity	ing category category	Method Equivalent to OECD 404 Equivalent to OECD 405 Equivalent to OECD 405	Exposure time 24 h Exposure time 25 h	e Time point	s; 4; 5; Rabbit Rabbit Species Rabbit Human Human Species Rabbit	Value       Remark         determination       Experimental value         Experimental value       Experimental value         Value       Remark         determination       Remark         Value       Remark         determination       Single treat         Literature study       Experimental value         Literature study       Experimental value         Value       Remark         determination       Experimental value         Value       Remark         determination       Experimental value         Uiterature study       Experimental value         Usinght of evidence       Uiterature study
udgement is based o nclusion lot classified for acut sion/irritation mical Anchoring CA14 to (test)data on the r -hydroxyethyl metha Route of exposure Eye Skin inyltoluene Eye Eye Skin Inhalation thylene dimethacryl Route of exposure Skin Inhalation	e toxicity	ing category category	Method Equivalent to OECD 404 Equivalent to OECD 405 Equivalent to OECD 405	Exposure time 24 h Exposure time 25 h	e Time point	s; 4; 5; Rabbit Rabbit Rabbit Rabbit Rabbit Human Human Rabbit Rabbit Rabbit Rabbit Rabbit	Value       Remark         determination       Experimental value         Experimental value       Experimental value         Value       Remark         determination       Remark         Value       Remark         determination       Single treat         Literature study       Experimental value         Literature study       Experimental value         Value       Remark         determination       Experimental value         Value       Remark         determination       Experimental value         Uiterature study       Experimental value         Using to find the study       Experimental value         Value       Remark         determination       Experimental value         Weight of evidence       Literature study         :: 2007-02-28

hydroxypropyl metha	ici yiute							
Route of exposure	Result	Method	E	xposure time	Time point	Species	Value	Remark
							determination	
Eye	Not irritating				<u>1; 2;</u> 3; 4; 5; 7 days	Rabbit	Experimental value	
Eye	Irritating	Draize Ski				Rabbit	Literature study	
Skin	Not irritating		2	24 h	24; 72 hours	Rabbit	Experimental value	
1,1'-(p-tolylimino)dip		Mathad	-		Time naint	Enocios	Value	Domoule
Route of exposure	Result	Method	E	xposure time	Time point	Species	determination	Remark
Eye	Irritatin <mark>g</mark>	OECD 405	5 2	4 h	1; 24; 48; 72; 168	Rabbit	Experimental value	
Skin	Not irritating	OECD 404	ı 4	h	hours 1; 24; 48; 72; 168	Rabbit	Experimental value	
Classification is based					hours			
onclusion Causes serious eye in Not classified as irrita iratory or skin sensiti emical Anchoring CA1 No (test)data on the i	iting to the skin sation 400, Componer	nt A						
2-hydroxyethyl meth								
Route of exposure	Result	Method	Ex	posure time		Species	Value determination	Remark
Skin	Sensitizi <mark>ng</mark>				point	Mouse (female)	Experimental value	
Skin	Sensitizing Sensitizing	Human obse	ervation			Human		
	SCHOULINE	indinari obse				(male/female)		
ethylene dimethacryl	ate						I	
Route of exposure	Result	Method	Ex	posure time	Observation time point	Species	Value determination	Remark
Skin	Sensitizi <mark>ng</mark>	OECD 406			point	Mouse (female)	Experimental value	
Dermal	Sensitizing	Other				. ,	Experimental value	
hydroxypropyl metha								
Route of exposure		Method	Ex	opsure time	Observation time point	Species	Value determination	Remark
Skin	Sensitizin <mark>g</mark>	Patch test or	n human				Literature study	
	NI-1	skin	0500			(male/female)		
Skin	Not sens <mark>itizing</mark>	Equivalent to 429	D OECD		-	Mouse (female)	Experimental value	
1,1'-(p-tolylimino)dip								
Route of exposure	Result	Method	Ex	posure time		Species	Value determination	Remark
Skin	Not sens <mark>itizing</mark>	OECD 406			24; 48 hours	Guinea pig	Experimental value	
SKIT	Not sensitizing	0100 400			,	(female)		
Classification is based	l on the r <mark>eleva</mark> n	it ingredients	I					
onclusion		•						
May cause sensitisati	on by skin cont	act.						
	it.							
fic target organ toxic	acy							
ific target organ toxic		ν+ Λ						
ific target organ toxic emical Anchoring CA1 o (test)data on the m	400, Componer							
emical Anchoring CA1	400, Componer ixture available							
emical Anchoring CA1 o (test)data on the m	400, Componer ixture available acrylate		Value	Organ	Effect	Exposure time	Species	Value
emical Anchoring CA1 o (test)data on the m 2-hydroxyethyl metha Route of exposur	400, Componer ixture available acrylate Parameter	Method				•		determinatio
emical Anchoring CA1 o (test)data on the m 2-hydroxyethyl metha Route of exposur Oral (stomach	400, Componer ixture available acrylate		100 mg/kg	g All major		Exposure time	aily) Rat	determination Experimental
emical Anchoring CA1 o (test)data on the m 2-hydroxyethyl metha Route of exposur Oral (stomach tube)	400, Componer ixture available acrylate re Parameter NOAEL	Method OECD 422	100 mg/kg bw/day	g All major organs	No effect	5.5 - 7 weeks (da	aily) Rat (male/female)	determination Experimental value
emical Anchoring CA1 o (test)data on the m 2-hydroxyethyl metha Route of exposur Oral (stomach tube) Oral (stomach	400, Componer ixture available acrylate Parameter	Method	100 mg/kg bw/day 300 mg/kg	g All major organs		•	aily) Rat (male/female) aily) Rat	determination Experimental value Experimental
emical Anchoring CA1 o (test)data on the m 2-hydroxyethyl metha Route of exposur Oral (stomach tube)	400, Componer ixture available acrylate re Parameter NOAEL	Method OECD 422	100 mg/kg bw/day	g All major organs	No effect	5.5 - 7 weeks (da	aily) Rat (male/female) aily) Rat (male/female)	determination Experimental value
emical Anchoring CA1 o (test)data on the m 2-hydroxyethyl metha Route of exposur Oral (stomach tube) Oral (stomach tube)	400, Componer ixture available acrylate Parameter NOAEL NOAEL	Method OECD 422	100 mg/kg bw/day 300 mg/kg bw/day	g All major organs	No effect	5.5 - 7 weeks (da 5.5 - 7 weeks (da	aily) Rat (male/female) aily) Rat (male/female)	determination Experimental value Experimental value
emical Anchoring CA1 o (test)data on the m 2-hydroxyethyl metha Route of exposur Oral (stomach tube) Oral (stomach tube) Inhalation	400, Componer ixture available acrylate Parameter NOAEL NOAEL NOAEL	Method OECD 422 OECD 422	100 mg/kg bw/day 300 mg/kg bw/day 0.5 mg/l	g All major organs g General	No effect No effect No effect	5.5 - 7 weeks (d 5.5 - 7 weeks (d 3 weeks (6h/day days/week)	aily) Rat (male/female) aily) Rat (male/female) /, 5 Rat (male/female)	determinatic Experimental value Experimental value Not determir
emical Anchoring CA1 o (test)data on the m 2-hydroxyethyl metha Route of exposur Oral (stomach tube) Oral (stomach tube) Inhalation	400, Componer ixture available acrylate Parameter NOAEL NOAEL NOAEL	Method OECD 422	100 mg/kg bw/day 300 mg/kg bw/day	g All major organs	No effect	5.5 - 7 weeks (da 5.5 - 7 weeks (da 5.8 - 7 weeks (da 3 weeks (6h/da)	aily) Rat (male/female) aily) Rat (male/female) <i>r</i> , 5 Rat	determinatic Experimental value Experimental value Not determin
emical Anchoring CA1 o (test)data on the m 2-hydroxyethyl metha Route of exposur Oral (stomach tube) Oral (stomach tube) Inhalation vinyltoluene Route of exposur	400, Componer ixture available acrylate Parameter NOAEL NOAEL NOAEL ROAEL	Method OECD 422 OECD 422 Method	100 mg/kg bw/day 300 mg/kg bw/day 0.5 mg/l	g All major organs g General Organ	No effect No effect No effect Effect	5.5 - 7 weeks (di 5.5 - 7 weeks (di 3 weeks (6h/day days/week) Exposure time	aily) Rat (male/female) aily) Rat (male/female) 7, 5 Rat (male/female) <b>Species</b>	determinatic Experimental value Experimental value Not determin Value determinatic
emical Anchoring CA1 o (test)data on the m 2-hydroxyethyl metha Route of exposur Oral (stomach tube) Oral (stomach tube) Inhalation vinyltoluene Route of exposur Oral (stomach	400, Componer ixture available acrylate Parameter NOAEL NOAEL NOAEL	Method OECD 422 OECD 422	100 mg/kg bw/day 300 mg/kg bw/day 0.5 mg/l Value < 50 mg/k	g All major organs g General Organ	No effect No effect No effect	5.5 - 7 weeks (d 5.5 - 7 weeks (d 3 weeks (6h/day days/week)	aily) Rat (male/female) aily) Rat (male/female) 7, 5 Rat (male/female) <b>Species</b> Rat	determinatic Experimental value Experimental value Not determin Value determinatic Experimental
emical Anchoring CA1 o (test)data on the m 2-hydroxyethyl metha Route of exposur Oral (stomach tube) Oral (stomach tube) Inhalation vinyltoluene Route of exposur Oral (stomach tube)	400, Componer ixture available acrylate NOAEL NOAEL NOAEL ROAEL	Method OECD 422 OECD 422 Method	100 mg/kg bw/day 300 mg/kg bw/day 0.5 mg/l	g All major organs g General Organ g Lungs	No effect No effect No effect Effect	5.5 - 7 weeks (di 5.5 - 7 weeks (di 3 weeks (6h/day days/week) Exposure time	aily) Rat (male/female) aily) Rat (male/female) 7, 5 Rat (male/female) <b>Species</b> Rat (male/female)	determinatic Experimental value Experimental value Not determin Value Experimental value
emical Anchoring CA1 o (test)data on the m 2-hydroxyethyl metha Route of exposur Oral (stomach tube) Oral (stomach tube) Inhalation vinyltoluene Route of exposur Oral (stomach	400, Componer ixture available acrylate NOAEL NOAEL NOAEL ROAEL	Method OECD 422 OECD 422 Method OECD 408	100 mg/kg bw/day 300 mg/kg bw/day 0.5 mg/l Value < 50 mg/k bw/day	g All major organs g General Organ g Lungs	No effect No effect No effect Effect No effect	5.5 - 7 weeks (di 5.5 - 7 weeks (di 3 weeks (6h/day days/week) Exposure time 13 week(s)	aily) Rat (male/female) aily) Rat (male/female) 7, 5 Rat (male/female) <b>Species</b> Rat (male/female)	determinatic Experimental value Experimental value Not determin Value determinatic Experimental
emical Anchoring CA1 o (test)data on the m 2-hydroxyethyl metha Route of exposur Oral (stomach tube) Oral (stomach tube) Inhalation vinyltoluene Route of exposur Oral (stomach tube)	400, Componer ixture available acrylate NOAEL NOAEL NOAEL ROAEL	Method OECD 422 OECD 422 Method OECD 408 Subchronic	100 mg/kg bw/day 300 mg/kg bw/day 0.5 mg/l Value < 50 mg/k bw/day	g All major organs g General Organ g Lungs	No effect No effect No effect Effect No effect	5.5 - 7 weeks (di 5.5 - 7 weeks (di 3 weeks (6h/da) days/week) Exposure time 13 week(s) 13 weeks (6h/da)	aily) Rat (male/female) aily) Rat (male/female) 7, 5 Rat (male/female) <b>Species</b> Rat (male/female) ay, 5 Rat	determinatic Experimental value Experimental value Not determin Value Experimental value Experimental
emical Anchoring CA1 o (test)data on the m 2-hydroxyethyl metha Route of exposur Oral (stomach tube) Oral (stomach tube) Inhalation vinyltoluene Route of exposur Oral (stomach tube)	400, Componer ixture available acrylate NOAEL NOAEL NOAEL ROAEL	Method OECD 422 OECD 422 Method OECD 408 Subchronic	100 mg/kg bw/day 300 mg/kg bw/day 0.5 mg/l Value < 50 mg/k bw/day	g All major organs g General Organ g Lungs	No effect No effect No effect Effect No effect	5.5 - 7 weeks (di 5.5 - 7 weeks (di 3 weeks (6h/da) days/week) Exposure time 13 week(s) 13 weeks (6h/da)	aily) Rat (male/female) aily) Rat (male/female) 7, 5 Rat (male/female) <b>Species</b> Rat (male/female) ay, 5 Rat	determinatic Experimental value Experimental value Not determin Value Experimental value Experimental
emical Anchoring CA1 o (test)data on the m 2-hydroxyethyl metha Route of exposur Oral (stomach tube) Oral (stomach tube) Inhalation vinyltoluene Route of exposur Oral (stomach tube)	400, Componer ixture available acrylate NOAEL NOAEL NOAEL ROAEL	Method OECD 422 OECD 422 Method OECD 408 Subchronic	100 mg/kg bw/day 300 mg/kg bw/day 0.5 mg/l Value < 50 mg/k bw/day	g All major organs g General Organ g Lungs	No effect No effect Effect No effect No effect No effect No effect	5.5 - 7 weeks (di 5.5 - 7 weeks (di 3 weeks (6h/da) days/week) Exposure time 13 week(s) 13 weeks (6h/da)	aily) Rat (male/female) aily) Rat (male/female) 7, 5 Rat (male/female) <b>Species</b> Rat (male/female) ay, 5 Rat (male/female)	determinatic Experimental value Experimental value Not determin Value Experimental value Experimental
emical Anchoring CA1 o (test)data on the m 2-hydroxyethyl metha Route of exposur Oral (stomach tube) Oral (stomach tube) Inhalation vinyltoluene Route of exposur Oral (stomach tube) Inhalation (gases)	400, Componer ixture available acrylate NOAEL NOAEL NOAEL ROAEL	Method OECD 422 OECD 422 Method OECD 408 Subchronic	100 mg/kg bw/day 300 mg/kg bw/day 0.5 mg/l Value < 50 mg/k bw/day	g All major organs g General Organ g Lungs	No effect No effect Effect No effect No effect No effect P	5.5 - 7 weeks (di 5.5 - 7 weeks (di 3 weeks (6h/day days/week) Exposure time 13 week(s) 13 weeks (6h/da days/week)	aily) Rat (male/female) aily) Rat (male/female) 7,5 Rat (male/female) <b>Species</b> Rat (male/female) ay, 5 Rat (male/female)	determinatic Experimental value Experimental value Not determin Value Experimental value Experimental
mical Anchoring CA1 o (test)data on the m 2-hydroxyethyl metha Oral (stomach tube) Oral (stomach tube) Inhalation vinyltoluene Route of exposur Oral (stomach tube) Inhalation (gases)	400, Componer ixture available acrylate NOAEL NOAEL NOAEL ROAEL	Method OECD 422 OECD 422 Method OECD 408 Subchronic	100 mg/kg bw/day 300 mg/kg bw/day 0.5 mg/l Value < 50 mg/k bw/day	g All major organs g General Organ g Lungs	No effect No effect Effect No effect No effect No effect P	5.5 - 7 weeks (di 5.5 - 7 weeks (di 3 weeks (6h/day days/week) Exposure time 13 week(s) 13 weeks (6h/da days/week) ublication date: 20	aily) Rat (male/female) aily) Rat (male/female) 7,5 Rat (male/female) <b>Species</b> Rat (male/female) ay, 5 Rat (male/female)	determinatic Experimental value Experimental value Not determin Value Experimental value Experimental

	L				IS CAL	400, C	ompone		
eth	ylene dimethacrylate	e			1				
	Route of exposure		er Method	Value	Organ	Effect	Exposure time	Species	Value determination
	Oral	NOAEL	OECD 422	100 mg/kg bw/day	General	Reduced body weight and food consumption; CNS effects; signs of necropsy	49 day(s)	Rat (male/female)	Experimental value
		NOAEL	Other	100 mg/kg bw/day	Skin	irritation	78 weeks (daily, 5 days/week)	Mouse (male)	Read-across
	roxypropyl methacr			h	-				
	Route of exposure			Value	Organ	Effect	Exposure time	Species	Value determination
		NOAEL	OECD 422	300 mg/kg bw		No effect	49 day(s)	Rat (male/female)	Experimental value
	-(p-tolylimino)diprop		er Method	Value	Organ	Effect		Crosico	Value
	Route of exposure	Paramete	er ivietnoa	value	Organ	Effect	Exposure time	Species	determination
	tube)	NOAEL system <mark>ic</mark> effects	OECD 422	40 mg/kg bw/day		No adverse systemic effects	3	Rat (male)	Experimental value
	Oral (stomach tube)	NOAEL system <mark>ic</mark>	OECD 422	20 mg/kg bw/day		No adverse systemic effects		Rat (female)	Experimental value
	gement is based on t	effects							
Not Mutager <u>Chemic</u> No	lusion classified for subchr nicity (in vitro) cal Anchoring CA140 (test)data on the mix	<u>0, Compo</u> xture avail	nent A						
<u>2-h</u>	ydroxyethyl methaci	rylate	h		<b>-</b>			<b>b i i i i</b>	1
	Result		Method		Test substrate		fect	Value deter	
	Negative with metal activation, negative metabolic activatior	without	OECD 472		Escherichia coli	No	o effect	Experimenta	al value
	Negative with metal activation, negative metabolic activatior	without	OECD 476		Chinese hamster	ovary (CHO) No	o effect	Experimenta	al value
	Negative with metal activation, negative metabolic activatior	bolic witho <mark>ut</mark>	OECD 471		Bacteria (S.typhi	murium) No	o effect	Experimenta	al value
	Negative with metal activation, negative	bolic without	OECD 476		Chinese hamster fibroblasts	· lung No	o effect	Experimenta	al value
	metabolic activation	1							
VIII	<u>/ltoluene</u> <b>Result</b>		Method		Test substrate	Ef	fect	Value deter	mination
	Negative with metal	holic	Equivalent to OE	CD 476	Mouse (lymphor		o effect	Experimenta	
	activation, negative metabolic activation	without		CD 470	cells)		Senect	Experimenta	
	Negative with metal activation, negative metabolic activatior	without	Equivalent to OE	CD 471	Bacteria (S.typhi	murium) No	o effect	Experimenta	al value
<u>eth</u>	vlene dimethacrylate	e							
	Result		Method		Test substrate		fect	Value deter	
hud	Negative roxypropyl methacr	vlate	Other		Mouse fibroblas	ls		Experimenta	ai value
	Result	yiute	Method		Test substrate	Ff	fect	Value deter	mination
	Positive		Other		Chinese hamster fibroblasts			Experimenta	
	Negative		OECD 471		Bacteria (S.typhi	murium)		Experimenta	al value
						7			
Reason f	or revision: ATP4						ublication date: 2007-0 ate of revision: 2014-0		
		2							
Revision	number: 0300					Pr	oduct number: 44841	1	9/19

Real Anchoring CA1400, Component A (test)data on the mixture available widroxycithy methacrylate         Method         Exposure time         Test substrate         Organ         Value determining (main/female)           Negative	Negative with m activation, nega metabolic activa Negative with m activation, nega metabolic activa Negative with m activation, nega metabolic activa nicity (in vivo)	ative without ation netabolic ative without						urium)				
arkivation, negative without Negative with metabolic activation, negative without metabolic activation Megative with metabolic activation, negative without metabolic activation Megative with metabolic activation Megative without Megative without Megativ	activation, nega metabolic activa Negative with m activation, nega metabolic activa Negative with m activation, nega metabolic activa nicity (in vivo)	ative without ation netabolic ative without	OECD 2	471			Bacteria (S.typhimi	urium)	No effect		Exper	rimental value
metabolic activation         Logan with metabolic block         DCD 476         Encode and the set of th	metabolic activa Negative with m activation, nega metabolic activa Negative with m activation, nega metabolic activa nicity (in vivo)	ation netabolic itive without										
Negative with metabolic activation metabolic activation development of the service harmster lung in the effect in the service of the service harmster lung in the effect in the service of the service harmster lung intervalue activation metabolic activation	Negative with m activation, nega metabolic activa Negative with m activation, nega metabolic activa nicity (in vivo) ical Anchoring CA	netabolic Itive without										
Application         DECD 473         Encoders         No effect         Experimental value           Anatomic activation         DECD 473         Chinese harnster lung.         No effect         Experimental value           Anatomic activation         DECD 473         Chinese harnster lung.         No effect         Experimental value           Anatomic activation         Mathematic activation         Mathematic activation         Experimental value         Experimental value           Anatomic activation         Mathematic activation         Mathematic activation         Experimental value         Experimental value           Magative         DECD 474         Z day(s)         Extension         Drasport for an and activation of activativation of activation of activativation of activat	activation, nega metabolic activa Negative with m activation, nega metabolic activa <b>nicity (in vivo)</b> ical Anchoring CA	itive witho <mark>ut</mark>										
metabolic activation of CED 473 Characterization of CED 474 Characterization of CED 47	metabolic activa Negative with m activation, nega metabolic activa nicity (in vivo) cal Anchoring CA		OECD 4	176			Chinese hamster lu	ing	No effect		Exper	imental value
Negative with metabolic activation         DECD 473         Chinase hamsteringe Biorblasts         No effect         Experimental value           nichty (in vvo)         autAnchnic CA1400. Component A (rest)data on the mixture available volgenschulture data (rest) (rest)         Value determine market (in value)         Organ         Value determine market (in value)           Result         Method         Poposure time         Test substrate         Organ         Value determine market (in value)         Specimental value           Negative         0.00 AVAT         Method         Poposure time         Test substrate         Organ         Value determine presenter           Negative         0.00 CD 474         2 day(s)         Rst (male)         Bone marrow         Experimental value           Negative         0.00 CD 474         Poposure time         Test substrate         Organ         Value determine value           Negative         0.00 CD 474         Poposure time         Test substrate         Organ         Value determine value           Negative         0.00 CD 474         Poposure time         Test substrate         Organ         Value determine value           Negative         0.00 CD 474         Poposure time         Test substrate         Organ         Experimental value           Negative         0.00 CD 474         Poposure time<	Negative with m activation, nega metabolic activa nicity (in vivo) cal Anchoring CA						fibroblasts					
atchvator, negative without field of the subtrate and a subset of the su	activation, nega metabolic activa nicity (in vivo) cal Anchoring CA	ation										
Interspective         Organ         Value determining           Result         Septimental value         Septimental value         Septimental value           Virgitive         Septimental value         Septimental value         Septimental value           Virgitive         Septimental value         Septimental value         Septimental value           Negative         OECD 47.4         Mouse (male/female)         Septimental value           Negative         OECD 47.4         Mouse (male/female)         Septimental value           Negatival	metabolic activa nicity (in vivo) cal Anchoring CA	netabolic	OECD 4	173			Chinese hamster lu	ing	No effect		Exper	imental value
Initial function         Component A (tast)data on the mixture available videouting interface (all all all all all all all all all al	nicity (in vivo) cal Anchoring CA						fibroblasts					
Cal Anchorine CA1400. Component A (test)data on the mixture available vydowychny methocychu.     Method     Exposure time     Test substrate     Organ     Deperimental w Deperimental w superimental w       Negative     0 CCD 474     2 day(s)     Rat (male)     Bone marrow     Experimental w superimental w       Negative     0 CCD 474     2 day(s)     Rat (male)     Bone marrow     Experimental w superimental w       Negative     0 CCD 474     Negative     0 CCD 474     Method     Exposure time       Negative     0 CCD 474     Method     Exposure time     Test substrate     Organ     Value determin Negative       Negative     0 CCD 474     Method     Exposure time     Test substrate     Organ     Value determin Negative       Negative     0 CCD 474     Method     Exposure time     Test substrate     Organ     Value determin Negative     D CED 474     Mouse (male/female)     Experimental w       Negative     0 CED 474     Method     Exposure time     Test substrate     Organ     Experimental w       Negative     0 ECD 474     Method     Exposure time     Test substrate     Organ     Experimental w       Negative     0 ECD 474     Method     Exposure time     Test substrate     Organ     Experimental w       Negative     0 ECD 615	cal Anchoring CA	ation										
Cal Anchorine CA1400. Component A (test)data on the mixture available vydowychny limethacrylate     Method     Exposure time     Test substrate     Organ     Evalue determin Sperimental w (male/female)       Result     Method     Exposure time     Test substrate     Organ     Experimental w (male/female)       Negative     0 CCD 474     2 day(s)     Rat (male)     Bone marrow     Experimental w (Experimental w (Male)       Negative     0 CCD 474     Exposure time     Test substrate     Organ     Value determin (Male)       Negative     0 CCD 474     Exposure time     Test substrate     Organ     Value determin (Male)       Negative     0 CCD 474     Method     Exposure time     Test substrate     Organ     Value determin (Male)       Negative     0 CCD 474     Method     Exposure time     Test substrate     Organ     Value determin (Male)       Negative     0 CED 474     Method     Exposure time     Test substrate     Organ     Yalue determin (Male)     Experimental w (Male)       Vegative     0 EED 474     Method     Exposure time     Test substrate     Organ     Experimental w (Male)     Experimental w (Male)       Vegative     0 EED 474     Method     2 US mg/l air     D2 weeks (6N/day, Substrate     Experimental w (Male)     Experimental w (Male)     Experimental w (Male)<	cal Anchoring CA											
(tert)data on the mixture available vigrowychul methacrylate           Result         Method         Dopoure time         Test substrate         Organ         Value diseminatal v Experimental v           Negative         0 ECD 474         2 day(s)         34 (male)         0 rgan         Experimental v           Negative         0 ECD 474         2 day(s)         34 (male)         0 rgan         Value disterminatal v           Negative         0 ECD 474         2 day(s)         Ret (male)         0 rgan         Value disterminatal v           Verine dimethacrylate         Method         Bopoure time         Test substrate         0 rgan         Value determini           Negative         0 Other         Result         Method         Bopoure time         Test substrate         0 rgan         Value determini           Negative         0 Other         Result         Method         Bopoure time         Test substrate         0 rgan         Value determini           Negative         0 Other         Nogative         0 CEC 474         Mouse (male/female)         Experimental v           Negative         0 Other         Sopoure time         Test substrate         Organ         Value determini           Negative         0 Other         Nogative         O ECD 474         Mouse (male/female)         No												
Result     Method     Exposure time     Test substrate     Organ     Value determining       Negative     0 EC0 474     2 day(s)     main/female)     Departmental value determining       Negative     0 EC0 474     2 day(s)     main/female)     Departmental value determining       Negative     0 EC0 474     2 day(s)     Nature dimental value determining     Corgan     Value determining       Negative     0 EC0 474     2 day(s)     Result     Organ     Value determining       Negative     0 EC0 474     Mouse (main/female)     Doe marrow     Experimental value determining       Vene dimethacrylate     0 EC0 474     Mouse (main/female)     Dream     Value determining       Negative     0 Other     Nogative     Organ     Value determining       Negative     0 Other     Program     Program     Value determining       Negative     0 Other     Program     Program     Value determining       Negative     0 Other     Program     Program     Septemmetal value       Negative     0 Other     Program     Program     Experimental value       Negative     0 Other     Program     Program     Experimental value       Negative     0 Other     Program     Program     Experimental value <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>												
Besult         Nethod         Repute         Test substrate         Organ         Value determinities           Negative         0ECD 474         2 day(s)         Rat (male)         Experimental value determinities           Negative         0ECD 474         2 day(s)         Rat (male)         Experimental value determinities           Negative         0ECD 474         2 day(s)         Rat (male)         Experimental value determinities           Negative         0ECD 474         2 day(s)         Rat (male)         Bone marrow         Experimental value determinities           Negative         0ECD 474         Exposure time         Test substrate         Organ         Value determinities           Negative         0ECD 474         Method         Exposure time         Test substrate         Organ         Value determinities           Negative         0ECD 474         Method         Exposure time         Test substrate         Organ         Value determinities           Negative         0Hther         Exposure time         Test substrate         Organ         Value determinities           Negative         0Hther         Exposure time         Test substrate         Organ         Yalue determinities           Negative         0Hther         Exposure time         Test substrate </td <td>(test)data on the</td> <td></td>	(test)data on the											
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Negative         SNART         Drosophila melanogaster (male/female)         Experimental v (melanogaster (male/female)         Experimental v (melanogaster (male/female)         Experimental v (melanogaster (male/female)         Experimental v (melanogaster (male/female)         Value determin (male/female)           Negative         Method         Exposure time         Test substrate         Organ         Value determin (male/female)         Value determin (male/female)         Sperimental v (male/female)           Negative         OECD 474         Exposure time         Test substrate         Organ         Value determin (male/female)         Coperimental v (male/female)           Negative         OECD 474         Exposure time         Test substrate         Organ         Value determin (male/female)         Coperimental v (male/female)         Coperimental v	nydroxyethyl met	hacrylate										
Negative         SNART         Drosophila melanogaster (male/female)         Experimental v (melanogaster (male/female)         Experimental v (melanogaster (male/female)         Experimental v (melanogaster (male/female)         Experimental v (melanogaster (male/female)         Value determin (male/female)           Negative         Method         Exposure time         Test substrate         Organ         Value determin (male/female)         Value determin (male/female)         Sperimental v (male/female)           Negative         OECD 474         Exposure time         Test substrate         Organ         Value determin (male/female)         Coperimental v (male/female)           Negative         OECD 474         Exposure time         Test substrate         Organ         Value determin (male/female)         Coperimental v (male/female)         Coperimental v	Result			Method		Ехро	sure time	Test subst	rate	Organ		Value determ
Specifie         DECD 474         2 day(s)         Rat (male)         Experimental vertice           Result         Method         Exposure time         Test substrate         Organ         Value determinities           Result         Method         Exposure time         Test substrate         Organ         Value determinities           Result         Method         Exposure time         Test substrate         Organ         Value determinities           Negative         OCCO 474         Mouse (male/remale)         Experimental vertice         Organ         Value determinities           Negative         OCCO 474         Mouse (male/remale)         Experimental vertice         Organ         Value determinities           Negative         OCCO 474         Mouse (male/remale)         Experimental vertice         Organ         Value determinities           Negative         OCCO 474         Mouse (male/remale)         Experimental vertice         Organ         Value determinities           Negative         OCECO 474         Mouse (male/remale)         Experimental vertice         Value determinities         Value	Negative			SMART				Drosophila	melanogaster			Experimental
Negative         OECD 474         2 day(s)         Rat (male)         Deprimental volume           Result         Method         Exposure time         Test substrate         Organ         Value determining           Negative         A75         Sday(s)         Rat (male)         Bone marrow         Experimental volume           Negative         OECD 474         Mouse (male/female)         Experimental volume         Experimental volume           Negative         OECD 474         Mouse (male/female)         Experimental volume         Experimental volume           Negative         OECD 474         Mouse (male/female)         Experimental volume         Experimental volume           Negative         Other         Perst substrate         Organ         Value determinit           Negative         OECD 474         Mouse (male/female)         Experimental volume         Experimental volume           Negative         OECD 474         Mouse (male/female)         Experimental volume         Experimental volume         Experimental volume           Result         Method         Experimental volume         Experimental volume         Experimental volume         Experimental volume           Value         OECD 474         Value         Result volume         Nocarcin         Experimental volume         Exp	-0			-					•			
Special         Method         Exposure time         Test substrate         Organ         Value determine           Result         Apgative         Equivalent to OECD         5 day(s)         Rat (male)         Bone marrow         Value determine           Result         Method         Exposure time         Test substrate         Organ         Value determine           Result         Method         Exposure time         Test substrate         Organ         Value determine           Negative         DCIC 0.47.4         Mouse (male/female)         Experimental value         Experimental value           Negative         DTher         Result         Method         Exposure time         Test substrate         Organ         Value determine           Negative         DECD 47.4         Mouse (male/female)         Experimental value         Experimental value         Experimental value           Section         Organ         Method         Exposure time         Dresophila melanogeadre         Experimental value           Value determini         Species         Value         Organ         Effect           Result         Method         Value         Experimental value         Species           Value determini         Organ         Effect         Species         Value<	Negative			OFCD 47	74	2 day	(s)					Experimental
Result         Method         Exposure time         Fest substrate         Organ         Value determining           Negative         Equivalent to OECD         5 day(s)         Rat (male)         Bone marrow         Experimental value determining           Negative         OECD 474         Exposure time         Test substrate         Organ         Value determining           Negative         OECD 474         Moose (male/(emale))         Experimental value determining         Experimental value           Negative         Other         Bone marrow         Experimental value         Experimental value           Negative         Other         Discourt time         Test substrate         Organ         Value determining           Negative         Other         Discourt time         Test substrate         Organ         Experimental value           Value determining         Other         Discourt time         Test substrate         Organ         Experimental value           Negative         OECD 474         Method         Exposure time         Species         Value         Experimental value           Value determining         Organ         Experimental value         No carcine         Experimental value         No carcine         Experimental value         No carcine         Experimental value	-			OLCD 47	4	z uay	(3)	Nat (male)				Experimental
Negative         Equivalent to QECD         5 day(s)         Rat (male)         Bone marrow         Experimental variation           Result         Method         Exposure time         Test substrate         Organ         Value determining           Negative         OCEO 474         Mouse (male/(emale)         Experimental variation         Experimental variation           Negative         Other         Bart (male)         Experimental variation         Experimental variation           Negative         Other         Experimental variation         Experimental variation         Experimental variation           Negative         Other         Specifier         Other         Experimental variation           Negative         Other         Specifier         Organ         Value determination           Variation         OECD 474         Mouse (male/female)         Experimental variation         Experimental variation           Variation         OECD 474         Mouse (male/female)         Experimental variation         Experimental variation         Experimental variation           Variation         OECD 474         Mouse (male/female)         Experimental variation         Experimental variation           Variation         OECD 474         Value         Experimental variation         Experimental variation										_		
Image: specific control in the	Result								rate	Organ		
International constraints         Nethod         Exposure time         Test substrate         Organ         Value determin Experimental va incovpropul methacrylate           Result         Method         Exposure time         Test substrate         Organ         Value determin Experimental va incovpropul methacrylate           Result         Method         Exposure time         Test substrate         Organ         Value determin Value determinativa           Negative         Other         Other         Docophila metanogaster         Experimental va Drocophila metanogaster         Experimental va Drocophila metanogaster         Experimental va Drocophila metanogaster           Result         Method         Value         Exposure time         Species         Value determination           Naced Anthoning CA1400. Component A (test)data on the mature available dydroxyethyl methacrylate         Organ         Effect           Route of         Parameter exposure         Method         Value         Exposure time for day/week)         Species         Value         Experimental va value         No carcine effect           Inhalation         NAEC         Equivalent to 0CC0 451         2.05 mg/l air 5 day/week)         D2 weeks (6h/day, reaks (6h/day, reaks (6h/day, value         Experimental value         No earcine eptihelia           Inhalation         NOAEC         Equivalent to 0EC0 451 <td< td=""><td>Negative</td><td></td><td></td><td></td><td>nt to OECD</td><td>5 day</td><td>(s)</td><td>Rat (male)</td><td></td><td>Bone mar</td><td>row</td><td>Experimental</td></td<>	Negative				nt to OECD	5 day	(s)	Rat (male)		Bone mar	row	Experimental
Result         Method         Exposure time         Fest substrate         Organ         Value determinental value           Negative         OECD 474         Mouse (male/[emaile])         Experimental value         Experime				475								
Negative       Otco 474       Mouse (male/female)       Experimental v         Negative       Other       Rat (male)       Experimental v         Result       Method       Exposure time       Test substrate       Organ       Value determin         Result       OECD 474       Mouse (male/female)       Experimental v       Experimental v         Negative       OECD 474       Mouse (male/female)       Experimental v         Negative       OECD 474       Mouse (male/female)       Experimental v         genicity       Cal Anchoring CA1400. Component A       Exposure time       Species       Value       Experimental v         genicity       Cal Anchoring CA1400. Component A       Value       Exposure time       Species       Value       Organ       Effect         Route of       Parameter       Method       Value       Exposure time       Value       No carcine         Inhalation       NOAEC       Equivalent to       2.05 mg/l air       102 weeks (fn/day, Rat (male/female)       Experimental v       No carcine         systemic       OECD 451       2.05 mg/l air       102 weeks (fn/day, Rat (male/female)       Value       No earcine         inhalation       NOAEC       Equivalent to       2.05 mg/l air       102 weeks (fn/day, Malu	ylene dimethacr	ylate										
Negative       Otco 474       Mouse (male/female)       Experimental v         Negative       Other       Rat (male)       Experimental v         Result       Method       Exposure time       Test substrate       Organ       Value determin         Result       OECD 474       Mouse (male/female)       Experimental v       Experimental v         Negative       OECD 474       Mouse (male/female)       Experimental v         Negative       OECD 474       Mouse (male/female)       Experimental v         genicity       Cal Anchoring CA1400. Component A       Exposure time       Species       Value       Experimental v         genicity       Cal Anchoring CA1400. Component A       Value       Exposure time       Species       Value       Organ       Effect         Route of       Parameter       Method       Value       Exposure time       Value       No carcine         Inhalation       NOAEC       Equivalent to       2.05 mg/l air       102 weeks (fn/day, Rat (male/female)       Experimental v       No carcine         systemic       OECD 451       2.05 mg/l air       102 weeks (fn/day, Rat (male/female)       Value       No earcine         inhalation       NOAEC       Equivalent to       2.05 mg/l air       102 weeks (fn/day, Malu				Method		Expo	sure time	Test subst	rate	Organ		Value determ
Negative       Other       Bat (male)       Experimental value         Result       Method       Exposure time       Test substrate       Organ       Value determin         Negative       Other       Other       Drosophila melanogašter       Experimental value         Negative       Other       Other       Drosophila melanogašter       Experimental value         seatice       OECD 474       Mouse (male/female)       Experimental value         seatica       Eachording CA1400, Component A (test)data on the mixture available       Experimental value       Experimental value         value or over available       Parameter       Method       Value       Experimental value         Inhalation       NOAEC       Equivalent to       2.05 mg/l air       102 weeks (6h/day, Rat (female)       Experimental       No carcine         Inhalation       NOAEC       Equivalent to       2.05 mg/l air       102 weeks (6h/day, Rat (male)       Experimental       No carcine         inhalation       NOAEC       Equivalent to       2.05 mg/l air       102 weeks (6h/day, Rat (male/female)       Value       Poter         inhalation       NOAEC       Equivalent to       2.05 mg/l air       102 weeks (6h/day, Mat (male/female)       Value       Poter         inhalatinin       NOAE												
Torspropyl methacrylate         Value         Exposure time         Test substrate         Organ         Value determin           Regative         OECD 474         Mouse (male/female)         Experimental v         Experimental v           genicity         Call Anchoring CA1400, Component A         (resultation in mixture available)         Experimental v           wdrowyethyl methacrylate         Route of         Parameter         Method         Value         Exposure time         Species         Value         Corgan         Effect           Inhalation         NOAEC         Equivalent to         2.05 mg/1 air         102 weeks (6h/day, Rat (female)         Value         Value         Procession (direct avalue)         No carcine effect           Inhalation         NOAEC         Equivalent to         2.05 mg/1 air         102 weeks (6h/day, Rat (male)         Sperimental value         No carcine effect           Inhalation         NOAEC         Equivalent to         2.05 mg/1 air         102 weeks (6h/day, Rat (male/female)         Value         No effect           Inhalation         NOAEC         Equivalent to         2.1 mg/1 air         102 weeks (6h/day, Mat (male/female)         Value         No effect           Inhalation         NOAEC         Equivalent to         2.1 mg/1 air         102 weeks (6h/day, Mat (male/female)									.,			
Result         Method         Exposure time         Test substrate         Organ         Value determin Experimental value           Negative         Other         Drosophila melanogaster         Experimental value         No carcine         Effect         No carcine         File         Value determin value         Experimental value         No carcine         Effect         Value determination         No carcine         File         No carcine         File         No carcine         File         Value determination         No carcine         File				Other				hat (male)				experimental
Negative         Other         Drosophila melanogaster         Experimental value           Negative         OECD 474         Mouse (male/female)         Experimental value           senicity         Experimental value         Experimental value         Experimental value           senicity         Earlie Status         Secies         Value         Experimental value           resposure         Parameter         Method         Value         Exposure time         Species         Value         Organ         Effect           inhalation         NOAEC         Equivalent to         2.05 mg/l air         102 weeks (6h/day, Rat (female)         Experimental         No carcine effect           inhalation         NOAEC         Equivalent to         2.05 mg/l air         102 weeks (6h/day, Rat (male)         Experimental         No carcine effects           inhalation         NOAEC         Equivalent to         2.05 mg/l air         102 weeks (6h/day, Rat (male/female)         Experimental value         No effect           inhalation         NOAEC         Equivalent to         2.1 mg/l air         102 weeks (6h/day, Maue         Experimental value         No earline effects           inhalation         NOAEC         Equivalent to         2.4.1 mg/l air         102 weeks (6h/day, Mouse         Experimental         No car		hacrylate										
Negative         OECD 474         Mouse (male//emale)         Experimental value           genicity         cal Anchoring CA1400, Component A (test)data on the mixture available vadroxyethyl methacrylate         Equivalent to         2.05 mg/l air         102 weeks (6h/day, Rat (female)         Value         Organ         Effect           Route of exposure         Parameter         Method         Value         Exposure time         Species         Value         Organ         Effect           Inhalation         NOAEC         Equivalent to 0ECD 451         2.05 mg/l air         102 weeks (6h/day, Rat (male)         Experimental         No carcin effect           Inhalation         NOAEC         Equivalent to 0ECD 451         2.05 mg/l air         102 weeks (6h/day, Rat (male/female)         Experimental         No effect           Inhalation         NOAEC         Equivalent to 0ECD 451         102 weeks (6h/day, Rat (male/female)         Experimental         No effect           Inhalation         NOAEC         Equivalent to 0ECD 451         102 weeks (6h/day, Mouse         Experimental         No earcin effects           Inhalation         NOAEC         Equivalent to 0ECD 451         2.1 mg/l air         102 weeks (6h/day, Mouse         Experimental value         No effect           Inhalation         NOAEC         Equivalent to 0ECD 451         2.1 mg/l	Result					Ехро	sure time	Test subst	rate	Organ		Value determ
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Oral (drinking NOAEL water)       ≥ 193.8 mg/kg bw/day       104 weeks (daily)       Rat (female)       Experimental value       No carcing effect         Oral (drinking NOAEL water)       ≥ 90.3 mg/kg bw/day       104 weeks (daily)       Rat (male)       Experimental value       No carcing effect         Oral (drinking NOAEL water)       ≥ 90.3 mg/kg bw/day       104 weeks (daily)       Rat (male)       Experimental value       No carcing effect         Valuene       >       >       >       0.4 weeks (daily)       Rat (male)       Experimental value       No carcing effect         Voluene         >       >       >       >       >       >         Route of exposure        Parameter       Method       Value       Exposure time       Species       Value determination       Organ       Effect         Inhalation (vapours)       NOAEL       Equivalent to OECD 451       ≥ 25 ppm       104 weeks (6h/day, 5 days/week)       Mouse (male/female)       Experimental value       No carcing effect         for revision: ATP4          207-02-28	et	ffects	OECD 45	1			5 days/week)	(male/fe	male) value			
water)       bw/day       value       effect         Oral (drinking NOAEL water)       ≥ 90.3 mg/kg bw/day       104 weeks (daily)       Rat (male)       Experimental value       No carcino effect         Violuene       Route of exposure       Parameter       Method       Value       Exposure time       Species       Value determination       Organ       Effect         Inhalation       NOAEL       Equivalent to OECD 451       ≥ 25 ppm       104 weeks (6h/day, Mouse (male/female)       Experimental value       No carcino effect         for revision: ATP4       Publication date: 2007-02-28       207-02-28												
Oral (drinking NOAEL water)       ≥ 90.3 mg/kg bw/day       104 weeks (daily)       Rat (male)       Experimental value       No carcing effect         Violuene       Route of exposure       Parameter       Method       Value       Exposure time       Species       Value determination       Organ       Effect         Inhalation (vapours)       NOAEL       Equivalent to OFCD 451       ≥ 25 ppm       104 weeks (6h/day, Stays/week)       Mouse (male/female)       Experimental value       No carcing effect         for revision: ATP4       Publication date: 2007-02-28       207-02-28	Oral (drinking N	IOAEL			-	kg	104 weeks (daily)	Rat (fem		imental		
water)       bw/day       value       effect         vtoluene       Route of exposure       Parameter       Method       Value       Exposure time       Species       Value determination       Organ       Effect         Inhalation       NOAEL       Equivalent to OECD 451       ≥ 25 ppm       104 weeks (6h/day, Mouse (male/female)       Experimental value       No carcing of other effect         for revision: ATP4       Publication date: 2007-02-28       Publication date: 2007-02-28	,								value			
water)       bw/day       value       effect         vtoluene       Route of exposure       Parameter       Method       Value       Exposure time       Species       Value determination       Organ       Effect         Inhalation (vapours)       NOAEL       Equivalent to OECD 451       ≥ 25 ppm       104 weeks (6h/day, 5 days/week)       Mouse (male/female)       Experimental value       No carcing effect         for revision: ATP4       Publication date: 2007-02-28       Publication date: 2007-02-28	Oral (drinking N	IOAEL			≥ 90.3 mg/k	g	104 weeks (daily)	Rat (mal	e) Exper	imental		No carcir
Route of exposure       Parameter       Method       Value       Exposure time       Species       Value determination       Organ       Effect         Inhalation (vapours)       NOAEL       Equivalent to OECD 451       ≥ 25 ppm       104 weeks (6h/day, 5 days/week)       Mouse (male/female)       Experimental value       No carcino effect         for revision: ATP4       Publication date: 2007-02-28	. –									r		
Route of exposure       Parameter       Method       Value       Exposure time       Species       Value determination       Organ       Effect         Inhalation (vapours)       NOAEL       Equivalent to OECD 451       ≥ 25 ppm       104 weeks (6h/day, 5 days/week)       Mouse (male/female)       Experimental value       No carcino effect         for revision: ATP4       Publication date: 2007-02-28								-			•	I
exposure       determination         Inhalation       NOAEL       Equivalent to OECD 451       ≥ 25 ppm       104 weeks (6h/day, 5 days/week)       Mouse (male/female)       Experimental value       No carcino effect         for revision: ATP4       Publication date: 2007-02-28       Publication date: 2007-02-28	yltoluene	arameter	Method		Value		Exposure time	Species	Value		Organ	Effect
Inhalation (vapours)       NOAEL       Equivalent to OECD 451       ≥ 25 ppm       104 weeks (6h/day, 5 days/week)       Mouse (male/female)       Experimental value       No carcing effect         for revision: ATP4       Publication date: 2007-02-28											- 8	
OECD 451     5 days/week)     (male/female)     value     effect       for revision: ATP4     Publication date: 2007-02-28	Route of Pa		Equivalo	nt to	> 25 nnm		104 weeks (6h/day	Mouse				No carciu
for revision: ATP4 Publication date: 2007-02-28	Route of Pa exposure		-		- 23 ppm					mental		
	Route of exposurePathonInhalationN		UECD 45	T			p days/week)	(male/re	male) value			enect
	Route of exposurePathonInhalationN											
	Route of exposurePathonInhalationN											
	Route of exposurePathonInhalationN											
	Route of exposurePathonInhalationN											
Date of revision. 2014-03-02	Route of Pa exposure Inhalation N (vapours)								Publication dat	e: 2007-02	-28	
	Route of Pa exposure Inhalation N (vapours)											
number: 0300 Product number: 44841 1	Route of Prieston Pri								Date of revisio	n: 2014-03-		

nydroxypropyl me	ethacrylate							
Route of	Parameter	Method	Value	Exposure time	Species	Value	Organ	Effect
exposure						determination		
Inhalation	NOAEC	Equivalent to	≥ 500 ppm	102 weeks (6h/day,	Rat (female)	Experimental		
(vapours)		OECD 451		5 days/week)		value		
Inhalation	NOAEC	Equivalent to	≥ 1000 ppm	102 weeks (6h/day,	Rat (male)	Experimental		
(vapours)		OECD 451		5 days/week)		value		
Oral (drinking	NOAEL	Equivalent to	≥ 90.3 mg/kg	104 week(s)	Rat (male)	Experimental		
water)		OECD 451	bw/day			value		
Oral (drinking	NOAEL	Equivalent to	≥ 193.8 mg/kg	104 week(s)	Rat (female)	Experimental		
water)		OECD 451	bw/day			value		

#### **Reproductive toxicity**

<u>Chemical Anchoring CA1400, Component A</u> No (test)data on the mixture available

2-hydroxyethyl methacrylate

	Parameter	Method	Value	Exposure time	Species	Effect	Organ	Value determination
Developmental toxicity	NOAEL (F1)	OECD 416	400 mg/kg bw/day		Rat (male/female)	No effect		Experimental value
	NOAEL (F2)	OECD 416	400 mg/kg bw/day		Rat (male/female)	No effect		Experimental value
	NOAEL	OECD 414	450 mg/kg bw/day	23 day(s)	Rabbit (male/female)	No effect		Experimental value
	NOAEC	OECD 414	≥ 8.3 mg/l air	10 days (6h/day)	Rat (male/female)	No effect	Foetus	Experimental value
	NOAEL	OECD 422	≥ 1000 mg/kg bw/day	5.5 - 7 weeks (daily)	Rat (male/female)	No effect		Experimental value
Maternal toxicity	NOAEL	OECD 414	50 mg/kg bw/day	23 day(s)	Rabbit (female)	No effect		Experimental value
	LOEC	OECD 414	0.41 mg/l air	10 days (6h/day)	Rat (female)	Body weight reduction	General	Experimental value
	NOAEL	OECD 422	≥ 1000 mg/kg bw/day	5.5 - 7 weeks (daily)	Rat (female)	No effect		Experimental value
Effects on fertility	NOAEL (P/F1)	Equivalent to OECD 422	≥ 1000 mg/kg bw/day	5.5 - 7 weeks (daily)	Rat (male/female)	No effect		Experimental value
	NOAEL (P/F1)	OECD 416	400 mg/kg bw/day		Rat (male/female)	No effect		Experimental value
<u>ltoluene</u>								
	Parameter	Method	Value	Exposure time	Species	Effect	Organ	Value

Developmental toxicity       NOAEL       Equivalent to OECD 414       600 mg/kg bw/day       14 day(s)       Rat       No effect       Foetus       Experimental value         Effects on fertility       NOAEL       Equivalent to OECD 416       200 mg/kg bw/day       Rat       No effect       Foetus       Experimental value         LOAEL       Equivalent to OECD 416       500 mg/kg bw/day       Foetus       Experimental value       Foetus       Experimental value         LOAEL       Equivalent to OECD 416       500 mg/kg bw/day       Foetus       Experimental value       Foetus       Experimental value		Parameter	Method	Value	Exposure time	Species	Effect	Organ	Value determination
OECD 416     bw/day     (male/female)     value       LOAEL     Equivalent to OECD 416     500 mg/kg bw/day     Rat (male/female)     Body weight reduction, mortality, reproductive     Experimental value	Developmental toxicity	NOAEL		0.0	14 day(s)	Rat	No effect	Foetus	
OECD 416 bw/day (male/female) reduction, value mortality, reproductive	Effects on fertility	NOAEL		0, 0			No effect		
		LOAEL		0.0			reduction, mortality, reproductive		

ylene dimethacrylate								
	Parameter	Method	Value	Exposure time	Species	Effect	- 0-	Value determination
Developmental toxicity	NOAEL (F1)		<mark>≥ 1000</mark> mg/kg bw/day	49 day(s)	Rat (male/female)	No effect		Read-across
	NOAEL		500 mg/kg bw/day	15 day(s)	Rat	No effect		Experimental value
Effects on fertility	NOAEL (P)	OECD 422	> -1000 mg/kg bw/day	49 day(s)	Rat (male/female)	Change in the haemogramme/ blood composition		Read-across

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nydroxypropyl methacrylate	<u>1</u>							
	Parameter	Method	Value	Exposure time	Species	Effect	Organ	Value determination
Developmental toxicity	NOAEL	OECD 414	450 mg/kg bw/day	23 day(s)	Rabbit	No effect		Experimental value
	NOAEC	OECD 414	≥ 8.3 mg/l air	10 day(s)	Rat	No effect		Experimental value
Effects on fertility	NOAEL (P/F1)	OECD 416	400 mg/kg bw/day		Rat (male/female)	No effect		Experimental value
	NOAEL (F1)	Equivalent to OECD 422	1000 mg/kg bw/day		Rat (male/female)	No effect		Experimental value
1,1 <sup>'</sup> -(p-tolylimino)dipropan-2	2- <u>ol</u>							
	Parameter	Method	Value	Exposure time	Species	Effoct	Organ	Value

	Parameter	Method	Value	Exposure time	Species	Effect	Organ	Value
								determination
Effects on fertility	NOAEL (P)	OECD 422	40 mg/kg		Rat (male)	No effect	Male	Experimental
			bw/day				reproductive	value
							organ	
	NOAEL (P)	OECD 422	20 mg/kg		Rat (female)	No effect	Female	
			bw/day				reproductive	
							organ	

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**

Chemical Anchoring CA1400, Component A No (test)data on the mixture available

2-hydroxyethyl methacrylate

Exposure time Species Value
determination
Rat Not determined
Rat (female) Not determined

Chronic effects from short and long-term exposure

<u>Chemical Anchoring CA1400, Component A</u> ON CONTINUOUS/REPEATED EXPOSURE/CONTACT: Skin rash/inflammation.

#### SECTION 12: Ecological information

#### 12.1. Toxicity

Chemical Anchoring CA1400, Component A

No (test)data on the mixture available 2-bydroxyetbyl methacrylate

		Parameter	Method	Value	9	Duration	Species	Test design	Fresh/salt water	Value determina
Acute toxicity fishes		LC50		227 m	ng/l	96 h	Pimephales promelas			Measured concentration
		LC50	OECD 203	> 100	mg/l	96 h	· ·	Semi-static system	Fresh water	Experimental val GLP
Acute toxicity invertebrates		NOEC	OECD 202	171 m	ng/l	48 h	Daphnia magna	Static system	Fresh water	Experimental val GLP
		EC50	OECD 202	380 m	ng/l	48 h	Daphnia magna	Static system	Fresh water	Experimental va GLP
Toxicity algae and other aqu plants	atic	ErC50	OECD 201	836 m	ng/l	72 h	Pseudokirchnerie Ila subcapitata	Static system	Fresh water	Experimental va GLP
		EbC50	OECD 201	345 m	ng/l	72 h	Pseudokirchnerie Ila subcapitata	Static system	Fresh water	Experimental va GLP
Long-term toxicity aquatic invertebrates		NOEC	OECD 211	24.1 r	ng/l	21 day(s)	1 1 10 1	Semi-static system	Fresh water	Experimental va GLP
		LOEC	OECD 211	49.6 r	ng/l	21 day(s)		Semi-static system	Fresh water	Experimental va GLP
		-								
for revision: ATP4							Publication	n date: 2007-0	2-28	

Revision number: 0300

<u>nyltoluene</u>	Parameter	Method	Value	Duration	Species	Test design	Fresh/salt	Value determinat
					-		water	
Acute toxicity fishes	LC50	OECD 203	<mark>5.2 m</mark> g/l	96 h		Semi-static	Fresh water	Experimental valu
Acute toxicity invertebrates		0500 202	1.3 mg/l	18 h	promelas Daphnia magna	system	Fuenda a sector	Funda anima a seta luva lu
Foxicity algae and other aquatic	LC50 EC50	OECD 202 OECD 201	2.6 mg/l	18 li 72 h	Pseudokirchnerie		Fresh water Fresh water	Experimental valu Experimental valu
plants	1030	0100 201	2.0 mg/1	/211	lla subcapitata	Static System	i i esii watei	Experimental valu
ong-term toxicity fish	NOEC		<mark>1.636</mark> mg/l	30 day(s)	Pisces		Salt water	QSAR
	Parameter	Method	Va	lue	Duration	Specie	s	Value determinat
Foxicity soil macro-organisms	LC50		14	5.605 mg/kg s	oil 14 day(s)		cus sp.	QSAR
			dw	I				
hylene dimethacrylate	L_	<b>.</b>		-		<b>_</b>	L	
	Parameter	Method	Value	Duration	Species	Test design	Fresh/salt water	Value determina
Acute toxicity fishes	LC50	OECD 203	15.95 mg/l	96 h	Danio rerio	Static system	water	Experimental valu
,			_					GLP
Acute toxicity invertebrates	EC50	OECD 202	<mark>44.9</mark> mg/l	48 h	Daphnia magna	Static system		Experimental value
	F-CF0	0500 201	10	96 h	Deeusle kinsk rearie			GLP
Foxicity algae and other aqu <mark>atic</mark> plants	EICSU	OECD 201	19 mg/l	9611	Pseudokirchnerie Ila subcapitata	Static system		Experimental val GLP
ong-term toxicity aquatic	NOEC	OECD 211	5.05 mg/l	21 day(s)		Semi-static		Experimental val
nvertebrates						system		GLP
oxicity aquatic micro-	EC50	ISO 8192	<mark>570 m</mark> g/l	3 h	Activated sludge	Static system	Fresh water	Experimental val
organisms droxypropyl methacrylate					-			GLP
	Parameter	Method	Value	Duration	Species	Test design	Fresh/salt	Value determina
	arameter	incentou	Value	Durution	species	i cot acoign	water	ruide determina
Acute toxicity fishes	LC50	DIN 38412-15	493 mg/l	48 h	Leuciscus idus	Static system	Fresh water	Experimental val GLP
Acute toxicity invertebrates	EC50	OECD 202	> 143 mg/l	48 h		Semi-static system	Fresh water	Experimental val GLP
Foxicity algae and other aquatic plants	EC50	OECD 201	> 97.2 mg/l	72 h	Pseudokirchnerie Ila subcapitata	Static system	Fresh water	Experimental val GLP
	NOEC	OECD 201	> 97.2 mg/l	72 h	Pseudokirchnerie Ila subcapitata	Static system	Fresh water	Experimental val GLP
ong-term toxicity aquatic nvertebrates	NOEC	OECD 211	45.2 mg/l	21 day(s)	Daphnia magna	Semi-static system	Fresh water	Experimental val
.'-(p-tolylimino)dipropan-2- <mark>ol</mark>						,		
	Parameter	Method	Value	Duration	Species	Test design	Fresh/salt water	Value determina
Acute toxicity fishes	LC50	Other	17 mg/l	96 h	Danio rerio	Static system	Fresh water	Experimental val Nominal concentration
Acute toxicity invertebrates	EC50	OECD 202	28.8 mg/l	48 h	Daphnia magna	Static system	Fresh water	Experimental val
Foxicity algae and other aquatic	ErC50	OECD 201	245 mg/l	72 h	Desmodesmus subspicatus	Static system	Salt water	Experimental val
oxicity aquatic micro-	EC10	OECD 209	> 1995 mg/l	30 minutes		Static system	Fresh water	Experimental val
sification of the mixture is based	d on the relev	ant ingredients						
		0						
<u>clusion</u> It classified as dangerous fo <mark>r the</mark>	environmen	t according to t	he criteria of F	Regulation (FC)	No 1272/2008			
t classified as daligerous for the	environmen	t decording to t		(20)				
2. Persistence and degra				.eguidtion (20)				

2-hydroxyethyl methacrylate			
Biodegradation water			
Method	Value	Duration	Value determination
OECD 301E: Modified OECD Screening Test	98 %	28 day(s)	Experimental value
OECD 301C: Modified MIT <mark>I Test (I)</mark>	92 % - 100 %; GLP	14 day(s)	Experimental value
vinyltoluene			7
Biodegradation water			
Method	Value	Duration	Value determination
Other	32 %	20 day(s)	Experimental value
Phototransformation air (DT <mark>50 air)</mark>			
Method	Value	Conc. OH-radicals	Value determination
AOPWIN v1.92	0.34 day(s) - 0.546 day(s)		QSAR
son for revision: ATP4		Publication da	ate: 2007-02-28
		Date of revision	on: 2014-03-02
ision number: 0300		Product numb	ber: 44841 13 /

Method		Value	Duration	Value determination
OECD 301F: Manometric R	espirometry Test	69 %: GLP	28 day(s)	Experimental value
hototransformation air (DT	· · ·			1 F <sup>2</sup> 2 22 2 22
Method		Value	Conc. OH-radicals	Value determination
AOPWIN v1.92		9.644 h	0.5E6 /cm <sup>3</sup>	Calculated value
alf-life water (t1/2 water)				
Method		Value	Primary degradation/mineralisation	Value determination
Hydrowin v2.00		1.6 year(s) - 15.7 yea	s) Primary degradation	Calculated value
droxypropyl methacrylate iodegradation water				
Method		Value	Duration	Value determination
OECD 301E: Modified OEC	O Screening Test	94.2 %	28 day(s)	Experimental value
OECD 301C: Modified MITI	Test (I)	81 %	28 day(s)	Experimental value
'-(p-tolylimino)dipropan-2-c iodegradation water				
Method		Value	Duration	Value determination
OECD 301B: CO2 Evolution	Test	39.1 %; GLP	28 day(s)	Experimental value
OECD 301B: CO2 Evolution				
hototransformation air (DT	'50 air)			
	50 air)	Value	Conc. OH-radicals	Value determination

#### **Conclusion**

Contains non readily biodegradable component(s)

### 12.3. Bioaccumulative potential Chemical Anchoring CA1400, Component A

og Kow Method	Rema	rk	Value	Temper	ature	Value determination
incuitou .		oplicable (mixture)		Temper	uture	Func determination
		,				
2-hydroxyethyl meth	<u>nacrylate</u>					
BCF fishes						
Parameter	Method	Value	Duration	Species		Value determination
BCF		1.3 - 1.5		Pisces		
Log Kow						
Method	Re	emark	Value	Tem	perature	Value determination
			<mark>-0.</mark> 55 - 0.49			
vinyltoluene						
BCF fishes						
Parameter	Method	Value	Duration	Species		Value determination
BCF	Other	120 - 170	<mark>30</mark> day(s)	Lepomis mac	rochirus	Experimental value
Log Kow						
Method	Re	emark	Value	Terr	perature	Value determination
			<mark>3.2</mark> 6 - 3.36	25 °	с	Experimental value
ethylene dimethacry	/late					
BCF other aquatic	organisms					
Parameter	Method	Value	Duration	Species		Value determination
BCF	BCFBAF v3.00	) 2.96				QSAR
Log Kow						
Method	Re	mark	Value	Tem	perature	Value determination
OECD 102			2.4			Experimental value
nydroxypropyl meth	acrylate					
BCF fishes						
Parameter	Method	Value	Duration	Species		Value determination
BCF		≤ 100		Pisces		/
		3.2		Pisces		
Log Kow						L
Method	Re	emark	Value	Terr	perature	Value determination
OECD 102			0.97			
1,1'-(p-tolylimino)di	propan-2-ol					
Log Kow						
Method	Re	mark	Value	Tem	perature	Value determination
OECD 107			2.1	24 °	•	Experimental value
onclusion						
/10/03/011						
					Publication date:	2007-02-28
In for revision. A $P_{1}$					asilication dute.	
on for revision: ATP4					Data of rouisian	2014 02 02
on for revision: ATP4					Date of revision:	2014-03-02

					15 5		,	b		
Does not contain bioac	cumulati	ve compo	nent(s)							
12.4. Mobility in so	il									
2-hydroxyethyl methac										
Volatility (Henry's La	w consta	ant H)								
Value	24 .	Method			perature		Remark			Value determination
0.000000005 atm r	n³/mol			25 °C						Calculated value
vinyltoluene Volatility (Henry's La	w consta	ant H)								
Volatility (Herity's La	w consta	Method		Temp	perature		Remark			Value determination
3.05E-3 atm m <sup>3</sup> /mo	ol	SRC HEN	RYWIN v3.20	25 °C						QSAR
ethylene dimethacrylat	_									
Volatility (Henry's La Value	w cons <mark>t</mark> a	nt H) Method		Toma			Remark			Value determination
0.000000378 atm r	n³/mol		RYWIN v3.20	25 °C	perature		Remark		_	Calculated value
Percent distribution	11 / 11101	phenen	1111111111111							
Method	Fraction	air	Fraction biota	Fraction		Fraction soil	Fraction	water	Value d	etermination
				sedimen				_		
Mackay level III hydroxypropyl methac	42.7 %			0.0378 %	<b>b</b>	43.8 %	13.5 %		Calculat	ed value
(log) Koc	<u>yiate</u>									
Parameter					Method			Value		Value determination
Кос								80		Estimated value
Volatility (Henry's La	w consta						-			
<b>Value</b> 2.33E-008 atm m³/	mal	Method		Temp 25 °C	perature	_	Remark		_	Value determination Estimated value
0.000946 Pa.m <sup>3</sup> /m		SRC HEN	RYWIN v3.20	25°C						Estimated value
1,1'-(p-tolylimino)dipro										
(log) Koc										
Parameter					Method			Value		Value determination
log Koc					SRC PCK	OCWIN v2.0		0.9185		Calculated value
Volatility (Henry's La Value	w consta	Method		Temr	perature		Remark			Value determination
0.0000398 Pa.m <sup>3</sup> /n	nol		RYWIN v3.20	25 °C						Calculated value
12.5. Results of PBT Due to insufficient data Regulation (EC) No 190 12.6. Other adverse Chemical Anchoring CA140 Global warming potenti Not included in the list o Ozone-depleting potent Not classified as dangero 2-hydroxyethyl methado Global warming pote Not included in the list vinyltoluene Global warming pote Not included in the list ethylene dimethacrylat Global warming pote Not included in the list	a no state 17/2006. e effect 20, Comp al (GWP) f fluorina ial (ODP) bus for th crylate st of fluor st of fluor st of fluor te ential (GV	e ozone la NP) rinated gre NP) rinated gr NP)	be made whethe house gases (Reg ayer (Regulation ( eenhouse gases ( eenhouse gases (	ulation (E EC) No 10 Regulation Regulation	C) No 51: 05/2009) n (EC) No n (EC) No	7/2014) 517/2014) 517/2014)	teria of PBT	and vP∖	/B accordi	ng to Annex XIII of
hydroxypropyl methac Global warming pote Not included in the li <u>1,1'-(p-tolylimino)dipro</u> Global warming pote Not included in the li ECTION 13: Disp	rylate ential (GV st of fluo opan-2-ol ential (GV st of fluo	NP) rinated gro NP) rinated gro	eenhouse gases ( eenhouse gases (	Regulatior	n (EC) No	517/2014)				
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Revision number: 0300

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

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. Can be considered as non hazardous waste according to Directive 2008/98/EC.

#### 13.1.2 Disposal methods

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

#### 13.1.3 Packaging/Container

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

15 01 02 (plastic packaging).

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

#### SECTION 14: Transport information

Road (ADR) 14.1. UN number			
Transport		Not subject	
14.2. UN proper shipping na	me		
14.3. Transport hazard class			
Hazard identification nu			
Class			
Classification code			
14.4. Packing group			
Packing group Labels			
14.5. Environmental hazards			
Environmentally hazardo		no	
14.6. Special precautions for	user		
Special provisions			
Limited quantities			
Rail (RID)			
14.1. UN number			
Transport		Not subject	
14.2. UN proper shipping na	mo		
14.3. Transport hazard class			
Hazard identification nu			
	ingen		
Class Classification code			
Classification code			
14.4. Packing group			
Packing group			
Labels			
14.5. Environmental hazards			
Environmentally hazardo		no	
14.6. Special precautions for	ruser		
Special provisions			
Limited quantities			
Inland waterways (ADN) 14.1. UN number			
Transport		Not subject	
14.2. UN proper shipping na	me		
14.3. Transport hazard class	(es)		
Class			
Classification code			
14.4. Packing group			
Packing group			
Labels			
14.5. Environmental hazards			
Environmentally hazard		no	
		in the second se	
14.6. Special precautions for			
Special provisions			
Limited quantities			
Reason for revision: ATP4		Publication date: 2007-02-28	
		Date of revision: 2014-03-02	
Revision number: 0300		Product number: 44841	16/19

a (IMDG/IMSBC) 14.1. UN number			
Transport		Not subject	
14.2. UN proper shipping	name		
14.3. Transport hazard cla	iss(es)		
Class			
14.4. Packing group			
Packing group			
Labels			
14.5. Environmental haza	rds		
Marine pollutant		-	
Environmentally haza	rdous substance mark	no	
14.6. Special precautions	for <mark>user</mark>		
Special provisions			
Limited quantities			
14.7. Transport in bulk ac	cording to Annex II of Marpol and t	e IBC Code	
Annex II of MARPOL 7	3/78		
• (ICAO-TI/IATA-DGR 14.1. UN number	<i>.</i> )		
		No. 1	
Transport		Not subject	
14.2. UN proper shipping			
14.3. Transport hazard cla	iss(es)		
Class			
14.4. Packing group			
Packing group			
Labels			
14.5. Environmental haza			
Environmentally haza		no	
14.6. Special precautions	for user		
Special provisions			
	ransport: limited quantities: maxin	m net quantity	
per packaging			

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

#### European legislation:

VOC content Directive 2010/75/EU

	VOC content		Re	emark		
	7 % - 30 %					
Pl	ant protection product	- listed ingredient			ř.	

Contains component(s) included in implementing Regulation (EU) No 540/2011

REACH Annex XVII - Restriction

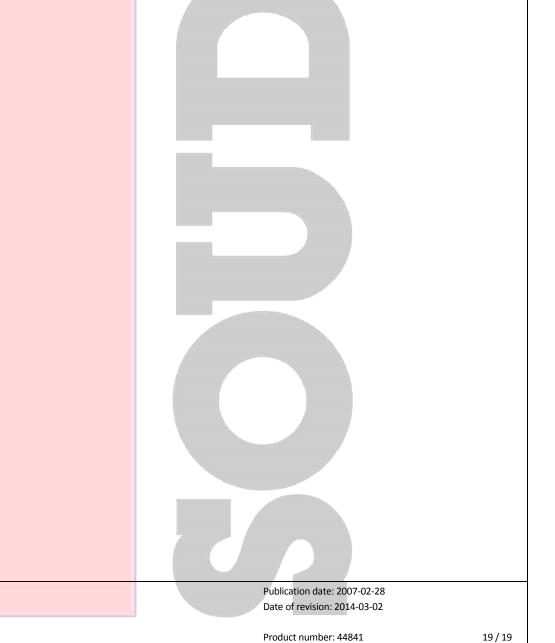
Contains component(s) subject to restrictions of Annex XVII of Regulation (EC) No 1907/2006: restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles.

Designation of the substance, of the group of C	Conditions of restriction
substances or of the mixture	
Liquid substances or mixtures which are 1	L Shall not be used in:
regarded as dangerous in accordance with –	<ul> <li>ornamental articles intended to produce light or colour effects by means of different</li> </ul>
Directive 1999/45/EC or are fulfilling the p	phases, for example in ornamental lamps and ashtrays,
criteria for any of the following hazard classes	<ul> <li>tricks and jokes,</li> </ul>
or categories set out in Annex I to Regulation	<ul> <li>games for one or more participants, or any article intended to be used as such, even with</li> </ul>
	ornamental aspects, 2. Articles not complying with paragraph 1 shall not be placed on the
	narket.3. Shall not be placed on the market if they contain a colouring agent, unless
	equired for fiscal reasons, or perfume, or both, if they:
and 2, 2.14 categories 1 and 2, 2.15 types A to	<ul> <li>can be used as fuel in decorative oil lamps for supply to the general public, and,</li> </ul>
F;	<ul> <li>present an aspiration hazard and are labelled with R65 or H304,4. Decorative oil lamps</li> </ul>
	or supply to the general public shall not be placed on the market unless they conform to
	he European Standard on Decorative oil lamps (EN 14059) adopted by the European
	Committee for Standardisation (CEN).5. Without prejudice to the implementation of other
	Community provisions relating to the classification, packaging and labelling of dangerous
	substances and mixtures, suppliers shall ensure, before the placing on the market, that the
	ollowing requirements are met: a) lamp oils, labelled with R65 or H304, intended for supply to the general public are visibly,
	egibly 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
	amps — may lead to life- threatening lung damage";
	a) grill lighter fluids, labelled with R65 or H304, intended for supply to the general public are
	egibly and indelibly marked by 1 December 2010 as follows: "Just a sip of grill lighter may
	ead to life threatening lung damage";
	Publication date: 2007-02-28
	substances or of the mixture Liquid substances or mixtures which are regarded as dangerous in accordance with Directive 1999/45/EC or are fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: (a) hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F; (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 5.1.

	-		
• vinyltoluene		Substances classified as flammable gases category 1 or 2, flammable liquids categor 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, catego 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI that Regulation or not.	<ul> <li>purposes such as the following:</li> <li>metallic glitter intended mainly for decoration,</li> <li>artificial snow and frost,</li> <li>"whoopee" cushions,</li> <li>silly string aerosols,</li> <li>o — imitation excrement,</li> <li>horns for parties,</li> <li>decorative flakes and foams,</li> <li>artificial cobwebs,</li> <li>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</li> </ul>
			placing on the market that the packaging of aerosol dispensers referred to above is mark visibly, legibly and indelibly with: "For professional users only".3. By way of derogation, paragraphs 1 and 2 shall not apply 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 The Net			
Chemical Anchoring CA1 Waste identification (t		<u>IWCA (the Netherlands): KGA catego</u>	03
Netherlands)			
Waterbezwaarlijkheid		11	
National legislation German Chemical Anchoring CA1		mponent A	
WGK		2; Classification water polluting base Stoffe (VwVwS) of 27 July 2005 (Anha	d on the components in compliance with Verwaltungsvorschrift wassergefährden
2-hydroxyethyl methacr	ylate	Stone (vwvws) of 27 July 2005 (Anna	
TA-Luft		5.2.5	
vinyltoluene			
MAK 8-Stunden-Mittel ppm	wert	Methylstyrol (alle Isomeren); 100 pp	m
MAK 8-Stunden-Mittel mg/m <sup>3</sup>	lwert	Methylstyrol (alle Isomeren); 490 mg	3/m³
ethylene dimethacrylate	<u>:</u>		
TA-Luft		5.2.5	
	data		
hydroxypropyl methacry	<u>/late</u>	5.2.5	
		5.2.5	
hydroxypropyl methacry TA-Luft			
hydroxypropyl methacry TA-Luft <u>1,1'-(p-tolylimino)diprop</u> TA-Luft <u>National legislation France</u> <u>Chemical Anchoring CA1</u> No data available	<u>oan-2-ol</u>	5.2.5; I	
hydroxypropyl methacry TA-Luft <u>1,1'-(p-tolylimino)diprop</u> TA-Luft National legislation France <u>Chemical Anchoring CA1</u> No data available National legislation Belgium	<u>0an-2-ol</u> 1400, Co	5.2.5; I	
hydroxypropyl methacry TA-Luft <u>1,1'-(p-tolylimino)diprop</u> TA-Luft <u>National legislation France</u> <u>Chemical Anchoring CA1</u> No data available	<u>0an-2-ol</u> 1400, Co	5.2.5; I	
hydroxypropyl methacry TA-Luft <u>1,1'-(p-tolylimino)diprop</u> TA-Luft National legislation France <u>Chemical Anchoring CA1</u> No data available <u>National legislation Belgium</u> <u>Chemical Anchoring CA1</u>	<u>1400, Co</u> 1400, Co	5.2.5; I	
hydroxypropyl methacry TA-Luft 1,1'-[p-tolylimino)diprop TA-Luft National legislation France Chemical Anchoring CA1 No data available National legislation Belgiun Chemical Anchoring CA1 No data available Other relevant data Chemical Anchoring CA1	<u>1400, Co</u> 1400, Co	5.2.5; I	
hydroxypropyl methacry TA-Luft 1,1'-[p-tolylimino)diprop TA-Luft National legislation France Chemical Anchoring CA1 No data available National legislation Belgium Chemical Anchoring CA1 No data available Other relevant data Chemical Anchoring CA1 No data available Vinyltoluene IARC - classification	<u>1400, Co</u> 1400, Co	5.2.5; I pmponent A pmponent A pmponent A 3; Vinyl toluene	
hydroxypropyl methacry TA-Luft 1,1'-[p-tolylimino)diprop TA-Luft National legislation France Chemical Anchoring CA1 No data available National legislation Belgium Chemical Anchoring CA1 No data available Other relevant data Chemical Anchoring CA1 No data available vinyltoluene	<u>1400, Co</u> 1400, Co	5.2.5; I	
hydroxypropyl methacry TA-Luft 1,1'-[p-tolylimino)diprop TA-Luft National legislation France Chemical Anchoring CA1 No data available National legislation Belgium Chemical Anchoring CA1 No data available Other relevant data Chemical Anchoring CA1 No data available Vinyltoluene IARC - classification	2 <u>000, Co</u> 1400, Co 1400, Co 1400, Co	5.2.5; I  proponent A  proponent A  3; Vinyl toluene Vinyl toluene; A4  ent	
hydroxypropyl methacry TA-Luft 1,1'-(p-tolylimino)diprop TA-Luft National legislation France Chemical Anchoring CA1 No data available National legislation Belgium Chemical Anchoring CA1 No data available Other relevant data Chemical Anchoring CA1 No data available vinyltoluene IARC - classification TLV - Carcinogen 15.2. Chemical safety asses	2 <u>an-2-ol</u> 1400, Co 1400, Co 1400, Co seessmot	5.2.5; 1  pmponent A  pmponent A  3; Vinyl toluene Vinyl toluene; A4  ent is required.	
hydroxypropyl methacry TA-Luft 1,1'-(p-tolylimino)diprop TA-Luft National legislation France Chemical Anchoring CA1 No data available National legislation Belgium Chemical Anchoring CA1 No data available Other relevant data Chemical Anchoring CA1 No data available Other relevant data Chemical Anchoring CA1 No data available Vinyltoluene IARC - classification TLV - Carcinogen 15.2. Chemical safety asses No chemical safety asses CTION 16: Other in	2 <u>an-2-ol</u> 1400, Co 1400, Co 1400, Co sessmet ssment i nforn	5.2.5; 1 mponent A mponent A 3; Vinyl toluene Vinyl toluene; A4 ent is required. nation	
hydroxypropyl methacry TA-Luft 1,1'-(p-tolylimino)diprop TA-Luft National legislation France Chemical Anchoring CA1 No data available National legislation Belgium Chemical Anchoring CA1 No data available Other relevant data Chemical Anchoring CA1 No data available Other relevant data Chemical Anchoring CA1 No data available Vinyltoluene IARC - classification TLV - Carcinogen 15.2. Chemical safety asses No chemical safety asses CTION 16: Other in	2 <u>an-2-ol</u> 1400, Co 1400, Co 1400, Co 1400, Co ssessment ssment i nforr ts refer	5.2.5; 1 pmponent A pmponent A 3; Vinyl toluene Vinyl toluene; A4 ent is required. mation red to under headings 2 and 3:	
hydroxypropyl methacry TA-Luft 1,1'-[p-tolylimino)diprop TA-Luft National legislation France Chemical Anchoring CA1 No data available National legislation Belgium Chemical Anchoring CA1 No data available Other relevant data Chemical Anchoring CA1 No data available Other relevant data Chemical Anchoring CA1 No data available Vinyltoluene IARC - classification TLV - Carcinogen 15.2. Chemical safety asses No chemical safety asses No chemical safety asses CTION 16: Other in Full text of any H-statemen	2 <u>an-2-ol</u> 1400, Co 1400, Co 1400, Co 1400, Co ssessment ssment i nforr ts refer	5.2.5; 1 pmponent A pmponent A 3; Vinyl toluene Vinyl toluene; A4 ent is required. mation red to under headings 2 and 3:	Publication date: 2007-02-28

	' <b>o</b> ''		
H300 Fatal if swallowed.			
H304 May be fatal if swallowed and enters airways.			
H315 Causes skin irritation.			
H317 May cause an allergic skin reaction.			
H318 Causes serious eye damage.			
H319 Causes serious eye irritation.			
H332 Harmful if inhaled.			
H335 May cause respiratory irritation.			
H412 Harmful to aquatic life with long lasting effects.			
(*) = INTERNAL CLASSIFICATION BY BIG			
PBT-substances = persistent, bioaccumulative and toxic substances	nces		
CLP (EU-GHS) Classification, labelling and packaging (Globally	Harmonise	d System in Europe)	
Specific concentration limits CLP			
ethylene dimethacrylate	C≥10 %	STOT SE 3; H335	CLP Annex VI (ATP 0)

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.



Reason for revision: ATP4



### **SAFETY DATA SHEET**

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

### **Chemical Anchoring CA1400, Component B**

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

#### 1.1. Product identifier

Product name Registration number REACH Product type REACH : Chemical Anchoring CA1400, Component B : Not applicable : Mixture

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

1.2.1 Relevant identified uses Hardener

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 ☎ +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 ☎ +32 14 42 42 31 ➡ +32 14 42 65 14 msds@soudal.com

#### 1.4. Emergency telephon<mark>e number</mark>

24h/24h (Telephone advice: English, French, German, Dutch): +32 14 58 45 45 (BiG)

#### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

Classified as dangerous according to the criteria of Regulation (EC) No 1272/2008							
Class	Category	Hazard statements					
Eye Irrit.	category 2	H319: Causes serious eye irritation.					
Skin Sens.	categ <mark>ory 1</mark>	H317: May cause an allergic skin reaction.					

#### 2.2. Label elements



Contains: dibenzoyl peroxide. Signal word Warning H-statements H319 Causes serious eye irritation. H317 May cause an allergic skin reaction P-statements P101 If medical advice is needed, have product container or label at hand. P102 Keep out of reach of children. P280 Wear protective gloves and eye protection/face protection. P302 + P352 IF ON SKIN: Wash with plenty of water and soap. P362 + P364 Take off contaminated clothing and wash it before reuse. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 If eye irritation persists: Get medical advice/attention. Created by: Brandweerinformatiecentrum voor gevaarlijke stoffen vzw (BIG) Publication date: 2007-02-16 134-15960-472-en Technische Schoolstraat 43 A, B-2440 Geel Date of revision: 2014-05-09 http://www.big.be © BIG vzw Reason for revision: ATP4

P333 + P313 P501 If skin irritation or rash occurs: Get medical advice/attention.

Dispose of contents/container in accordance with local/regional/national/international regulation.

#### 2.3. Other hazards

Combustible

Warning! Product may cause floors to be slippery

#### SECTION 3: Composition/information on ingredients

**3.1. Substances** Not applicable

#### 3.2. Mixtures

3.2. Mixtures							
Name REACH Registration No	CAS No EC No		Conc. (C)	Classification according to CLP	Note	Remark	
dibenzoyl peroxide 01-2119511472-50		4-36-0 02-327-6		Org. Perox. B; H241 Eye Irrit. 2; H319 Skin Sens. 1; H317 Aquatic Acute 1; H400	(1)(2)(9)	Constituent	
2-ethylhexyl benzoate	-	444-75-7 26-641-8	1% <c<5%< td=""><td>Aquatic Chronic 4; H413</td><td>(1)(10)</td><td>Constituent</td></c<5%<>	Aquatic Chronic 4; H413	(1)(10)	Constituent	
glycerol		6-81-5 00-289-5	1%≤C<20%		(2)	Constituent	

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

(2) Substance with a Community workplace exposure limit

(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:

Check the vital functions. Unconscious: maintain adequate airway and respiration. Respiratory arrest: artificial respiration or oxygen. Cardiac arrest: perform resuscitation. Victim conscious with laboured breathing: half-seated. Victim in shock: on his back with legs slightly raised. Vomiting: prevent asphyxia/aspiration pneumonia. Prevent cooling by covering the victim (no warming up). Keep watching the victim. Give psychological aid. Keep the victim calm, avoid physical strain. Depending on the victim's condition: doctor/hospital.

#### After inhalation:

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

#### After skin contact:

Wash immediately with lots of water. Soap may be used. Take victim to a doctor if irritation persists.

#### After eye contact:

Rinse immediately with plenty of water. Do not apply neutralizing agents. 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 4.2.1 Acute symptoms

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. ABC powde<mark>r. Carbon dioxide.</mark>
- 5.1.2 Unsuitable extinguishing media:

Solid water jet ineffectiv<mark>e as extinguishing medium. Foam.</mark>

Reason for revision: ATP4

4.

Publication date: 2007-02-16 Date of revision: 2014-05-09

Revision number: 0400

#### **Chemical Anchoring CA1400, Component B** 5.2. Special hazards arising from the substance or mixture Upon combustion: CO and CO2 are formed. 5.3. Advice for firefighters 5.3.1 Instructions: If exposed to fire cool the closed containers by spraying with water. 5.3.2 Special protective equipment for fire-fighters: Gloves. Safety glasses. Protective clothing. Heat/fire exposure: compressed air/oxygen apparatus. SECTION 6: Accidental release measures 6.1. Personal precautions, protective equipment and emergency procedures No naked flames. 6.1.1 Protective equipment for non-emergency personnel See heading 8.2 6.1.2 Protective equipment for emergency responders Gloves. Safety glasses. Protective clothing. Suitable protective clothing See heading 8.2 6.2. Environmental precautions Contain leaking substance. Use appropriate containment to avoid environmental contamination. 6.3. Methods and material for containment and cleaning up Spill must not return in its original container. Scoop solid spill into closing containers. Clean contaminated surfaces with an excess of water. Wash clothing and equipment after handling. 6.4. Reference to other sections See heading 13. SECTION 7: Handling and storage The information in this section is a general description. If applicable and available, exposure scenarios are attached in annex. Always use the relevant exposure scenarios that correspond to your identified use. 7.1. Precautions for safe handling Keep away from naked flames/heat. Observe very strict hygiene - avoid contact. Keep container tightly closed. Remove contaminated clothing immediately. 7.2. Conditions for safe storage, including any incompatibilities 7.2.1 Safe storage requirements: Storage temperature: 5 - 25 °C. Store in a cool area. Store in a dark area. Keep out of direct sunlight. Store in a dry area. Keep container in a well-ventilated place. Keep only in the original container. Meet the legal requirements. Max. storage time: 1 year(s). 7.2.2 Keep away from: Heat sources, ignition sources, Do not store with other substances, oxidizing agents, reducing agents, (strong) acids, (strong) bases, alcohols, amines, combustible materials. 7.2.3 Suitable packaging material: Synthetic material. 7.2.4 Non suitable packaging material: No data available 7.3. Specific end use(s) If applicable and available, exposure scenarios are attached in annex. See information supplied by the manufacturer. SECTION 8: Exposure controls/personal protection 8.1. Control parameters 8.1.1 Occupational exposure a) Occupational exposure limit values If limit values are applicable and available these will be listed below. The Netherlands Dibenzoylperoxide Time-weighted average exposure limit 8 h (Private occupational 5 mg/m<sup>3</sup>

	exposure limit value)	exposure limit value)					
Glycerol (nevel)	Time-weighted average exposure limit 8 h (Private occupational	2.6 ppm					
	exposure limit value)						
	Time-weighted average exposure limit 8 h (Private occupational	10 mg/m³					
	exposure limit value)						
Belgium							
Glycérine (brouillard)	Time-weighted average exposure limit 8 h	10 mg/m³					
Peroxyde de dibenzoyle	Time-weighted average exposure limit 8 h	5 mg/m³					
Reason for revision: ATP4	Publication date: 2007-02-16 Date of revision: 2014-05-09						
	Date of revision: 2014-05-09						

USA (TLV-ACGIH) Benzoyl peroxide		Time-weighted avera	ze evnosure limit 8 h	(TLV - Adopte	ad Value)	5 mg/m³
		Time-weighted avera	ge exposure infine 8 fi			
Germany		her		(TRCC 000)		<b>F</b>
Dibenzoylperoxid		Time-weighted avera	ge exposure limit 8 n	(TRGS 900)		5 mg/m³
France						
Glycérine (aérosols de)		Time-weighted avera réglementaire indicat	ive)			10 mg/m³
Peroxyde de dibenzoyle		Time-weighted avera réglementaire indicat	5 mg/m³			
υκ		5	·			
Dibenzoyl peroxide		Time-weighted avera	ge exposure limit 8 h	(Workplace e	xposure limit	5 mg/m³
Glycerol, mist		(EH40/2005)) Time-weighted avera (EH40/2005))	ge exposure limit 8 h	(Workplace e	xposure limit	10 mg/m <sup>3</sup>
b) National biological limit value	s	(EH40/2003))				
If limit values are applicable and		elow.				
8.1.2 Sampling methods						
If applicable and availabl <mark>e it will</mark>	be listed below.					
Benzoyl Peroxide		NIOSH	5009			
Glycerin Mist (Particulat <mark>es)</mark> 8.1.3 Applicable limit values when		NIOSH	600			
If limit values are applicable and 8.1.4 DNEL/PNEC values DNEL/DMEL - Workers	available these will be listed b	elow.				
dibenzoyl peroxide	Turne		Value		Domorile	
Effect level (DNEL/DMEL) DNEL	Type Long-term systemic effe	cts dermal	6.6 mg/kg k	w/dav	Remark	
DIVLE	Long-term systemic effe		11.75 mg/n			
glycerol						
Effect level (DNEL/DMEL)	Туре		Value		Remark	
DNEL	Long-term local effects in	nhalation	56 mg/m <sup>3</sup>			
DNEL/DMEL - General population	<u>on</u>					
dibenzoyl peroxide Effect level (DNEL/DMEL)	Туре		Value		Remark	
DNEL	Long-term systemic effe	cts dermal	3.3 mg/kg k	w/dav	Kennark	
	Long-term systemic effe		2.9 mg/m <sup>3</sup>	,,,		
	Long-term systemic effe	cts oral	1.65 mg/kg	bw/day		
<u>glycerol</u>						
Effect level (DNEL/DMEL)	Туре		Value		Remark	
DNEL	Long-term local effects in Long-term systemic effe		33 mg/m <sup>3</sup> 229 mg/kg	hw/day		
PNEC	Long-term systemic ener		225 111g/ Kg	Dw/uay		
dibenzoyl peroxide						
Compartments	Value			Remark		
Fresh water	0.602 µĮ					
Marine water	0.0602 μ					
Aqua (intermittent releases) STP	0.602 με					
Fresh water sediment	0.35 mg 0 338 m	/I g/kg sediment dw				
Marine water sediment		ng/kg sediment dw				
Soil		ng/kg soil dw				
Oral		/kg food				
glycerol	¥					
Compartments	Value			Remark		
Fresh water	0.885 m	0,				
Marine water	0.0855 r					
Aqua (intermittent releases) STP	8.85 mg 1000 mg					
Fresh water sediment		kg sediment dw		-		
Marine water sediment		/kg sediment dw				
Soil		g/kg soil dw				
8.1.5 Control banding		-				
If applicable and available it will E. Exposure controls	be listed below.					
for revision: ATP4				date: 2007-02		
			Date of revi	sion: 2014-05	-09	
n number: 0400			Product nur	mber: 44842		4

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

#### 8.2.1 Appropriate engineering controls

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

#### 8.2.2 Individual protection measures, such as personal protective equipment

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

a) Respiratory protection: Wear gas mask with filter type A if conc. in air > exposure limit.

b) Hand protection:

Gloves.				-
Materials		Breakthroug	sh time	Thickness
nitrile rubber		<30 seconds		>0.1 mm
- materials (good resistan	ce)			
Nitrile rubber, butyl r	ibber.			
c) Eye protection:				
Safety glasses.				
d) Skin protection:				
Protective clothing.				
8.2.3 Environmental exp	osure 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	Black
Particle size	No data available
Explosion limits	No data available
Flammability	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	116 °C
Evaporation rate	No data available
Relative vapour density	No data available
Vapour pressure	No data available
Solubility	water ; insoluble
Relative density	No data available
Decomposition temperate	ure No data available
Auto-ignition temperature	e 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
Other information	
Absolute density	No data available

#### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

Temperature above flashpoint: higher fire/explosion hazard. No data available.

#### 10.2. Chemical stability

Stable under normal conditions.

#### 10.3. Possibility of hazardous reactions

Violent to explosive reaction with many compounds e.g.: with combustible materials, with (strong) reducers, with (some) acids/bases, with alcohols and with amines. Reacts with (strong) oxidizers.

#### 10.4. Conditions to avoid

Keep away from naked fl<mark>ames/heat.</mark>

#### 10.5. Incompatible materials

Do not store with other substances, oxidizing agents, reducing agents, (strong) acids, (strong) bases, alcohols, amines, combustible materials.

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10.6. Hazardous decomposition products Upon combustion: CO and CO2 are formed.

#### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

#### 11.1.1 Test results

#### Acute toxicity

#### Chemical Anchoring CA1400, Component B

No (test)data on the mixture available

dibenzoyl peroxide									
Route of exposure	Para	meter	Method	Value		Exposure time	Species	Value	Remark
								determination	
Oral	LD50	)	Equivalent to OECD 401	> 5000 m	g/kg bw		Rat (male)	Weight of evidence	
Inhalation (dust)	LC0		Equivalent to OECD 403	24.3 mg/i	m³ air	4 h	Rat (male)	Experimental value	
2-ethylhexyl benzoate									

Invinexy Denzoale								
Route of exposure	Parameter	Method	Value		Exposure time	Species	Value	Remark
							determination	
Oral	LD50	OECD 423	2500 mg/	/kg bw		Rat (male/female)	Experimental value	
Dermal	LD50	OECD 402	≥ 5000 m	g/kg bw	24 h	Rat (male/female)	Experimental value	
Inhalation							Data waiving	

#### glycerol

Route of exposure	Para	meter	Method	Value	Exposure time	Species	Value	Remark
							determination	
Oral	LD50	)	OECD 401	<mark>27200 m</mark> g/kg		Rat (female)	Experimental value	
Dermal	LD50	)	OECD 402	56750 mg/kg		Guinea pig (male/female)	Experimental value	
Inhalation (vapours)	LC50		OECD 403	<mark>&gt; 2.75 m</mark> g/l	4 h	Rat (male)	Experimental value	

Judgement is based on the relevant ingredients

#### **Conclusion**

Low acute toxicity by the dermal route Low acute toxicity by the oral route

Low acute toxicity by the inhalation route

#### Corrosion/irritation

Chemical Anchoring CA1400, Component B

#### No (test)data on the mixture available

Route of exposure	Result		Method	Expos	ure time	Time point	Species	Value determination	Remark
ye	Highly i	rritating	Equivalent to OECD 405			24; 48; 72 hours	Rabbit	Expert judgement	
kin	Not irri	tating	Equivalent to OECD 404	4 h		24; 72 hours	Rabbit	Experimental value	
hylhexyl benzoate									
Route of exposure	Result		Method	Expos	ure time	Time point	Species	Value	Remark

							determination	
	Eye	Not irritating	OECD 405		1; 24; 48; 72 hours	Rabbit	Experimental value	Single treatment
	Skin	Not irrit <mark>ating</mark>	OECD 404	4 h		Rabbit	Experimental value	
gly	cerol							

ly	cerol		
	0	- 1	

Route of exposure	Result	Method	Exposure time	Time point		Value determination	Remark
Eye	Not irri <mark>tating</mark>	OECD 405	24 h		Rabbit	Experimental value	
Skin	Not irri <mark>tating</mark>	OECD 404	24 h		Rabbit	Experimental value	

Classification is based on the relevant ingredients

#### **Conclusion**

Not classified as irritating to the skin

Causes serious eye irritation.

#### Respiratory or skin sensitisation

#### Chemical Anchoring CA1400, Component B No (test)data on the mixture available

Reason for revision: ATP4

#### Publication date: 2007-02-16 Date of revision: 2014-05-09

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F	benzoyl peroxide											
_	Route of exposure R	Result		Method	E	Exposu	ire time	Observation time	Species	Value	determination	Remark
0)	Skin S	ensitizi <mark>ng</mark>		Equivalent to 429	OECD	3 day(s	)		Mouse (female)	Experi	mental value	
F	S	ensitizing		125					Human	Literat	ture study	
2-6	ethylhexyl benzoate											
F	Route of exposure R	Result		Method	E	Exposu	ire time	Observation time point	Species	Value	determination	Remark
0)	Skin N	lot sens <mark>it</mark> i	zing	OECD 406					Guinea pig (female)	Experi	mental value	
	<u>vcerol</u>					-		0	C	hest		<b>D</b>
	Route of exposure R			Method		Exposu	ire time	Observation time point			determination	Remark
	Skin N Assification is based o	Not sensiti		Human obse	rvation		-		Human	Experi	mental value	
	iclusion		.vant n	Igreatents								
	ay cause an allergic s	kin reactio	n									
IVIO	ay cause an allergic s	KIIITeacu	JII.									
cific	target organ toxicity	v										
	0 0											
	ical Anchoring CA140			<u>3</u>								
No (	(test)data on the mix	ture av <mark>aila</mark>	able									
dik	benzoyl peroxide	_										-
	Route of exposure	Paramet	er M	lethod	Value		Organ	Effect	Exposure time	S	Species	Value
												determina
	Oral	NOEL	0	ECD 422	500 mg/ bw/day	kg		No effect		F	Rat (male)	Experimen <sup>-</sup> value
	Oral	NOEL	0	ECD 422	1000 mg	g/kg		No effect		F	Rat (female)	Experimen
- 1		-			bw/day		_					value
giy	vcerol	Devenuet	or 0.4	lathad	Value		0	Effect		-		Value
	Route of exposure	Paramet	er ivi	lethod	value		Organ	Effect	Exposure time	2	Species	determina
	Oral (diet)	NOAEL	Ec	quivalent to	8000 mg	g/kg		No effect	2 year(s)	F	Rat	Experimen
			0	ECD 452	bw/day-	- 10000	0			(	male/female)	value
					mg/kg b					_		
	Dermal	NOEL		ubchronic	5040 mg	g/kg		No effect	45 weeks (6h/d	ay, 5	Rabbit	Experimen
	labeletien (eeneel			xicity test	bw/day		Descrimenter	No offerst	days/week)	ан Г. Г	Rat	value
	Inhalation (aerosol)	INDAEL		quivalent to ECD 413	167 mg/	m- air	Respiratory tract	No effect	13 weeks (6h/d days/week)	-	male/female)	Experimen <sup>-</sup> value
		the sector	-				uace		udys/ week)		male/remale/	value
	dgement is based on	the releva	ant ing	realents								
	clusion											
LO	w sub-chronic toxicit	ty by the o	oral rol	ite								
200												
age.	vnicity (in vitro)											
0	enicity (in vitro)											
-	enicity (in vitro) iical Anchoring CA140	00, Compo	onent E	3								
em				<u>3</u>								
iem Nc	<u>iical Anchoring CA14(</u> o (test)data on the m			3			i					
iem Nc	ical Anchoring CA14( c (test)data on the m benzoyl peroxide		ilable	_			Test substra	ite	Effect		Value dete	rmination
nem Nc	nical Anchoring CA14( p (test)data on the m benzoyl peroxide Result		ilable Met	hod			Test substra Mouse (lym		Effect No effect		Value deter	
nem Nc	ical Anchoring CA14( c (test)data on the m benzoyl peroxide		ilable Met	_					Effect No effect		Value deter Experiment	
iem Nc	nical Anchoring CA14( p (test)data on the m benzoyl peroxide Result		ilable Meti OECI	hod			Mouse (lym cells)	phoma L5178Y				al value
iem No <u>dik</u>	<u>ical Anchoring CA14(</u> o (test)data on the m <u>benzoyl peroxide</u> Result Negative		ilable Meti OECI	- hod D 476			Mouse (lym cells)	phoma L5178Y	No effect		Experiment	al value
iem No <u>dik</u>	ical Anchoring CA14( o (test)data on the m benzoyl peroxide Result Negative Negative		ilable Meti OECI	hod D 476 s test			Mouse (lym cells)	phoma L5178Y yphimurium)	No effect		Experiment	al value al value
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nem No <u>dik</u>	ical Anchoring CA14( o (test)data on the m benzoyl peroxide Result Negative Negative ethylhexyl benzoate Result	ixture ava	ilable Meti OECI Ame Meti	hod D 476 s test hod			Mouse (lym cells) Bacteria (S.t <b>Test substra</b>	phoma L5178Y yphimurium) i <b>te</b>	No effect No effect		Experiment Experiment Value dete	al value al value rmination
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<u>em</u> Nc <u>dik</u>	ical Anchoring CA140 o (test)data on the m benzoyl peroxide Result Negative ethylhexyl benzoate Result Negative with meta activation, negative metabolic activatio ycerol Result Negative	abolic e without	Meti OECI Ame Meti OECI OECI	hod D 476 s test hod D 476 hod valent to OEC			Mouse (lym cells) Bacteria (S.t <b>Test substra</b> Mouse (lym cells) <b>Test substra</b> Rat liver cell	phoma L5178Y yphimurium) ite phoma L5178Y ite s	No effect Effect Effect Effect		Experiment Experiment Value deter Experiment Value deter Experiment	al value al value rmination al value rmination al value
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		Ch	emica	I A	nch	oriı	ng (	CA14(	)(	), Con	np	oner	nt B	
Mutage	nicity (in vivo)													
	<u>cal Anchoring</u> (test)data on									- 1				
<u>dib</u>	enzoyl peroxi	<u>de</u>									_			
	Result Negative		м	ethod		Expo 8 we	sure time			<b>substrate</b> se (male/fema		Organ		Value determination Experimental value
						o we	2K(S)	ľ	nou		ale)			experimental value
Carcino	genicity													
No	<u>cal Anchoring</u> (test)data on enzoyl peroxi	the mixture												
<u>uib</u>	Route of	Parameter	Method		Value		Exposur	e time	Spe	ecies	Value		Organ	Effect
	<b>exposure</b> Dermal	NOEL	Not further		40 mg/ani	mal	2 year(s)		Mo	ouse	deter Weigl	mination nt of		No effect
			determined							ale/female)	evide			
	Oral	NOAEL	Not determ	ined	2800 mg/k bw/day	۶g	120 wee	ek(s)	Rat (ma	: ale/female)	Weigl evide			No adverse systemic effects
	Oral	NOAEL	Not determ	ined	2800 mg/k bw/day	kg	80 week	:(s)	Mo	ouse ale/female)	Weigl evide	nt of		No adverse systemic effects
gly	cerol				5107 44 y				(rui		evide	lice		systemic criects
	Route of exposure	Parameter	Method		Value		Exposur	e time	Spe	ecies	Value deter	mination	Organ	Effect
	Oral		Not further				2 year(s)	)	Rat	: ale/female)		imental		No carcinogenic effect
			determinet	1					(ma	ale/Ternale)	value			enect
Chemi	ctive toxicity cal Anchoring (test)data on													
	enzoyl peroxi													
			Parameter	Met	hod	Value		Exposure tir	ne	Species	Eff	ect	Organ	Value determination
	Developmen	tal toxicity	NOAEL (F1)	OECI	D 422	500 mg bw/day				Rat (male/female		effect		Experimental value
	Effects on fer	tility	NOAEL (P)	OECI	D 422	1000 m bw/day	ng/kg			Rat (male/female	No	effect		Experimental value
gly	cerol			1		uw/ua	/				:)			value
			Parameter	Met	hod	Value		Exposure tir	ne	Species	Eff	ect	Organ	Value determination
	Developmen	tal toxicity	NOAEL		valent to D 414	1310 m bw/day		6-15 days (gestation, daily)		Rat	No	effect	Foetus	Experimental value
	Maternal tox	icity	NOAEL		valent to D 414	1310 m bw/day		6-15 days (gestation, daily)		Rat (female)	No	effect		Experimental value
	Effects on fer	tility	Dose level			2000 m		8-12 weeks		Rat		effect		Experimental
luc	gement is bas	sed on the re	levant ingredie	onts		bw/day	/	(daily)		(male/female	2)			value
<u>Conc</u> No No	t classified for t classified for t classified for	carcinogeni mutagenic c	-	kicity	icity			7						
Toxicity	other effects													
	<u>cal Anchoring</u> (test)data on													
Chronic	effects from s	hort and lor	ng-term exposi	ıre										
	cal Anchoring CONTINUOU		mponent B EXPOSURE/CC	NTAC	T: Skin rash	/inflam	mation.							
SECTL	ON 12.	Ecologi	cal infor	nat	ion									
	L. Toxicity	-001081		marc					r					
<u>Chemi</u>	cal Anchoring test)data on th													
Rescond	for revision: A	TDA								Dublicat	ion dat	te: 2007-02	-16	
NedSUILI	OF TEVISION: A	164										n: 2014-02		

benzoyl peroxide	Parameter	Method	Value	Duration	Species	Test design	Fresh/salt	Value determination
	Parameter	wiethod	value	Duration	species	rest design	water	value determinatio
Acute toxicity fishes	LC50	OECD 203	0.0602 mg/l	96 h	,	Semi-static system	Fresh water	Experimental value GLP
Acute toxicity invertebrates	EC50	OECD 202	0.11 mg/l	48 h	Daphnia magna	Static system	Fresh water	Experimental value GLP
Toxicity algae and other aquatic plants	EC50	OECD 201	0.0711 mg/l	72 h	Pseudokirchnerie Ila subcapitata	Static system	Fresh water	Experimental value GLP
Toxicity aquatic micro- organisms	EC50	OECD 209	35 mg/l	30 minutes	Activated sludge	Static system	Fresh water	Experimental value GLP
ethylhexyl benzoate								
	Parameter	Method	Value	Duration	Species	Test design	Fresh/salt water	Value determinati
Acute toxicity fishes	LC50	OECD 203	> 0.66 mg/l	96 h	'	Flow-through system	Fresh water	Experimental value
Toxicity algae and other aquatic plants	EC50	OECD 201	> 0.035 mg/l	96 h	Selenastrum capricornutum	Static system	Fresh water	Experimental value
Acute toxicity other aquatic organisms	EC50	OECD 202	> 0.125 mg/l	48 h		Semi-static system	Fresh water	Experimental value
Toxicity aquatic micro- organisms	EC50	OECD 209	> 100 mg/l	3 h	Activated sludge	Static system	Fresh water	Experimental value
<u>ycerol</u>								
	Parameter	Method	Value	Duration	Species	Test design	Fresh/salt water	Value determinati
Acute toxicity fishes	LC50		54000 mg/l	96 h	Salmo gairdneri	Static system	Fresh water	Literature study; Lethal
Acute toxicity invertebrates	EC50		> 10000 mg/l	24 h	Daphnia magna	Static system	Fresh water	Experimental value Locomotor effect
Toxicity algae and other aquatic plants	EC0		> 10000 mg/l	8 day(s)	Scenedesmus quadricauda	Static system	Fresh water	Experimental value Turbid water
gement of the mixture is based	on the releva	nt ingredients						
nclusion ot classified as dangerous for the	e environmen	t according to	the criteria of R	egulation (EC	) No 1272/2008			
.2. Persistence and degra	dability							
benzoyl peroxide								

Method		Value	Duration	Value determination
OECD 301C: Modified MITI	Test (I)	84 %	21 day(s)	Experimental value
OECD 301D: Closed Bottle	Test	68 %; GLP	28 day(s)	Experimental value
Half-life water (t1/2 water)				
Method		Value	Primary degradation/mineralisation	Value determination
OECD 111: Hydrolysis as a i	function of pH	< 1 day(s); GLP	Primary degradation	Experimental value
ethylhexyl benzoate Biodegradation water				
Method		Value	Duration	Value determination
OECD 310: Ready biodegra sealed vessels	dability - CO2 in	76.5 %; Activated sludge	28 day(s)	Experimental value
Phototransformation air (DT	'50 air)			
Method		Value	Conc. OH-radicals	Value determination
AOPWIN v1.92		33.376 h	0.5E06 /cm <sup>3</sup>	QSAR
Half-life water (t1/2 water)				
Method		Value	Primary degradation/mineralisation	Value determination
EPI Suite		10.671 year(s); pH = 7		QSAR
<u>ycerol</u> Biodegradation water				
Method		Value	Duration	Value determination
		94 %	24 h	Experimental value

12.3. Bioaccumulative po Chemical Anchoring CA1400, Com		
Log Kow		
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Method	Remark	Value	Temperature	Value determination
Method	Not applicable (mixture)		Temperature	Value determination
dibenzoyl peroxide				
Log Kow				
Method	Remark	Value	Temperature	Value determination
		3.71		QSAR
OECD 117 2-ethylhexyl benzoate		3.2	22 °C	Experimental value
<u>2-ethylnexyl benzoate</u> BCF fishes				
	thod Value	Duration	Species	Value determination
	FBA <mark>F v3.00 184 l/kg</mark>	Bulation	Pisces	QSAR
Log Kow				
Method	Remark	Value	Temperature	Value determination
OECD 117	No data available	6.21	30 °C	Experimental value
glycerol				
Log Kow Method	Domostk	Nalua	Tomporatura	
Equivalent to OECD 10	Remark	Value -1.75	Temperature	Value determination Experimental value
Conclusion	<u> </u>	1.75		
Does not contain bioaccum	nulative component(s)			
	,			
12.4. Mobility in soil				
dibenzoyl peroxide				
(log) Koc Parameter		Method	Value	Value determination
log Koc		OECD 121	3.8	Experimental value
2-ethylhexyl benzoate				
(log) Koc				
Parameter		Method	Value	Value determination
log Koc		Other	4.2944	QSAR
Volatility (Henry's Law c				
Value	Method	Temperature	Remark	Value determination
25.6 Pa.m <sup>3</sup> /mol glycerol	SRC HENRYWIN v3.20	25 °C		QSAR
Volatility (Henry's Law o	onstant H)			
Value	Method	Temperature	Remark	Value determination
0.000000006 atm m³/r	nol SRC HENRYWIN v3.20	25 °C		Calculated value
Conclusion Contains component(s) that 12.5. Results of PBT ar Does not contain compone	nd vPvB assessment	a of PBT and/or vPvB as lis	sted in Annex XIII of Regulation (E	C) No 1907/2006.
Ozone-depleting potential ( Not classified as dangerous f	Component <u>B</u> GWP) ents is included in the list of ODP)		ases (Regulation (EC) No 517/201	4)
dibenzoyl peroxide Global warming potentia Not included in the list of 2-ethylhexyl benzoate	al (GWP) fluorinated greenhouse gas	es (Regulation (EC) No 51	7/2014)	
Global warming potentian Not included in the list of	al (GWP) fluorinated greenhouse gas	es (Regulation (EC) No 51:	7/2014)	
<u>glycerol</u> Global warming potentia Not included in the list of	al (GWP) fluorinated greenhouse gas	es (Regulation (EC) No 51	7/2014)	
CTION 13: Dispos	sal consideration	าร		
	on i <mark>s a general description. I</mark>		exposure scenarios are attached	in annex. Always use the relevant exposure
13.1. Waste treatmen 13.1.1 Provisions relating				
ason for revision: ATP4			Publication dat Date of revisio	

Revision number: 0400

SI

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

08 04 09\* (wastes from MFSU of adhesives and sealants (including waterproofing products): waste adhesives and sealants containing organic solvents or other dangerous substances). Depending on branch of industry and production process, also other waste codes may be applicable. Hazardous waste according to Directive 2008/98/EC.

#### 13.1.2 Disposal methods

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

#### 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

beenen 14. manspe			
Road (ADR)			
14.1. UN number			
Transport		Not subject	
14.2. UN proper shipping na	ma	Not subject	
14.2. ON proper snipping ha			
Hazard identification nu	mber		
Class			
Classification code			
14.4. Packing group			
Packing group			
Labels			
14.5. Environmental hazards	6		
Environmentally hazardo		no	
14.6. Special precautions for	user		
Special provisions			
Limited quantities			
Rail (RID)			
14.1. UN number			
Transport		Not subject	
14.2. UN proper shipping na	me		
14.3. Transport hazard class	(es)		
Hazard identification nu			
Class			
Classification code			
14.4. Packing group			
Packing group			
Labels			
14.5. Environmental hazards			
Environmentally hazardo		no	
14.6. Special precautions for	user		
Special provisions			
Special provisions Limited quantities			
Special provisions Limited quantities Inland waterways (ADN)			
Special provisions Limited quantities Inland waterways (ADN) 14.1. UN number			
Special provisions Limited quantities Inland waterways (ADN) 14.1. UN number Transport		Not subject	
Special provisions Limited quantities Inland waterways (ADN) 14.1. UN number Transport 14.2. UN proper shipping na	me	Not subject	
Special provisions Limited quantities Inland waterways (ADN) 14.1. UN number Transport	me	Not subject	
Special provisions Limited quantities Inland waterways (ADN) 14.1. UN number Transport 14.2. UN proper shipping na	me	Not subject	
Special provisions Limited quantities Inland waterways (ADN) 14.1. UN number Transport 14.2. UN proper shipping na 14.3. Transport hazard class	me	Not subject	
Special provisions Limited quantities Inland waterways (ADN) 14.1. UN number Transport 14.2. UN proper shipping na 14.3. Transport hazard class Class Class Classification code	me	Not subject	
Special provisions Limited quantities Inland waterways (ADN) 14.1. UN number Transport 14.2. UN proper shipping na 14.3. Transport hazard class Class Class Classification code 14.4. Packing group	me	Not subject	
Special provisions Limited quantities Inland waterways (ADN) 14.1. UN number Transport 14.2. UN proper shipping na 14.3. Transport hazard class Class Class Classification code 14.4. Packing group Packing group	me	Not subject	
Special provisions Limited quantities Inland waterways (ADN) 14.1. UN number Transport 14.2. UN proper shipping na 14.3. Transport hazard class Class Class Classification code 14.4. Packing group Packing group Labels	me (es)	Not subject	
Special provisions Limited quantities Inland waterways (ADN) 14.1. UN number Transport 14.2. UN proper shipping na 14.3. Transport hazard class Class Class Classification code 14.4. Packing group Packing group Labels 14.5. Environmental hazards	me (es)		
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Special provisions Limited quantities Inland waterways (ADN) 14.1. UN number Transport 14.2. UN proper shipping na 14.3. Transport hazard class Class Class Classification code 14.4. Packing group Packing group Labels 14.5. Environmental hazards Environmental hazards 14.6. Special precautions for	me (es)		
Special provisions Limited quantities Inland waterways (ADN) 14.1. UN number Transport 14.2. UN proper shipping na 14.3. Transport hazard class Class Class Classification code 14.4. Packing group Packing group Labels 14.5. Environmental hazards Environmental hazards 14.6. Special precautions for Special provisions	me (es)		
Special provisions Limited quantities Inland waterways (ADN) 14.1. UN number Transport 14.2. UN proper shipping na 14.3. Transport hazard class Class Class Classification code 14.4. Packing group Packing group Labels 14.5. Environmental hazards Environmental hazards 14.6. Special precautions for	me (es)		
Special provisions Limited quantities Inland waterways (ADN) 14.1. UN number Transport 14.2. UN proper shipping na 14.3. Transport hazard class Class Classification code 14.4. Packing group Packing group Labels 14.5. Environmental hazards Environmental hazards 14.6. Special precautions for Special provisions Limited quantities	me (es)		
Special provisions Limited quantities Inland waterways (ADN) 14.1. UN number Transport 14.2. UN proper shipping na 14.3. Transport hazard class Class Classification code 14.4. Packing group Packing group Labels 14.5. Environmental hazards Environmental hazards 14.6. Special precautions for Special provisions Limited quantities Sea (IMDG/IMSBC)	me (es)		
Special provisions Limited quantities Inland waterways (ADN) 14.1. UN number Transport 14.2. UN proper shipping na 14.3. Transport hazard class Class Classification code 14.4. Packing group Packing group Labels 14.5. Environmental hazards 14.6. Special precautions for Special provisions Limited quantities Sea (IMDG/IMSBC) 14.1. UN number	me (es)		
Special provisions Limited quantities Inland waterways (ADN) 14.1. UN number Transport 14.2. UN proper shipping na 14.3. Transport hazard class Class Classification code 14.4. Packing group Packing group Labels 14.5. Environmental hazards Environmental hazards 14.6. Special precautions for Special provisions Limited quantities Sea (IMDG/IMSBC) 14.1. UN number Transport	me (es)		
Special provisions Limited quantities Inland waterways (ADN) 14.1. UN number Transport 14.2. UN proper shipping na 14.3. Transport hazard class Class Classification code 14.4. Packing group Packing group Labels 14.5. Environmental hazards 14.6. Special precautions for Special provisions Limited quantities Sea (IMDG/IMSBC) 14.1. UN number	me (es)		
Special provisions Limited quantities Inland waterways (ADN) 14.1. UN number Transport 14.2. UN proper shipping na 14.3. Transport hazard class Class Classification code 14.4. Packing group Packing group Labels 14.5. Environmental hazards Environmental hazards 14.6. Special precautions for Special provisions Limited quantities Sea (IMDG/IMSBC) 14.1. UN number Transport	me (es)		
Special provisions Limited quantities Inland waterways (ADN) 14.1. UN number Transport 14.2. UN proper shipping na 14.3. Transport hazard class Class Class Classification code 14.4. Packing group Packing group Labels 14.5. Environmental hazards Environmental hazards Environmental hazards Interferent and the second Special provisions Limited quantities Sea (IMDG/IMSBC) 14.1. UN number Transport 14.2. UN proper shipping na	me (es)	no Not subject	
Special provisions Limited quantities Inland waterways (ADN) 14.1. UN number Transport 14.2. UN proper shipping na 14.3. Transport hazard class Class Class Classification code 14.4. Packing group Packing group Labels 14.5. Environmental hazards Environmental hazards Environmental hazards Interferent and the second Special provisions Limited quantities Sea (IMDG/IMSBC) 14.1. UN number Transport 14.2. UN proper shipping na	me (es)	no Not subject Publication date: 2007-02-16	
Special provisions Limited quantities Inland waterways (ADN) 14.1. UN number Transport 14.2. UN proper shipping na 14.3. Transport hazard class Class Class Classification code 14.4. Packing group Packing group Labels 14.5. Environmental hazards Environmental hazards Environmental hazards Interferent and the second Special provisions Limited quantities Sea (IMDG/IMSBC) 14.1. UN number Transport 14.2. UN proper shipping na	me (es)	no Not subject Publication date: 2007-02-16	

14.3. Transport hazard class	(es)		
Class			
14.4. Packing group			
Packing group			
Labels			
14.5. Environmental hazard	S		
Marine pollutant			-
Environmentally hazardo	ous substance mark		no
14.6. Special precautions for	r user		
Special provisions			
Limited quantities			
14.7. Transport in bulk acco	rding to Annex II of Marpol and the IBC	Code	
Annex II of MARPOL 73/	78		
Air (ICAO-TI/IATA-DGR)			
14.1. UN number			
Transport			Not subject
14.2. UN proper shipping na			Not subject
14.3. Transport hazard class			
Class	(es)	-	
14.4. Packing group		-	
Packing group Labels			
14.5. Environmental hazard			
Environmentally hazardo 14.6. Special precautions for			no
Special provisions			
	nsport: limited quantities: maximum ne	au antitu	
per packaging	hisport, innited quantities. Maximum ne	er quantity	
per packaging			

#### 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	F	Remark	
	-	(enname	
0 %			
0 /8			

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	Conditions of restriction
· 2-ethylhexyl benzoate	regarded as dangerous in accordance with Directive 1999/45/EC or are fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: (a) hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F; (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; (d) hazard class 5.1.	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 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: — can be used as fuel in decorative oil lamps for supply to the general public, and, — present an aspiration hazard and are labelled with R65 or H304,4. 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).5. Without prejudice to the implementation of other Community provisions relating to 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: 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"; b) grill lighter fluids, labelled with R65 or H304, intended for supply to the general public are legibly and indelibly marked by 1 December 2010 as follows: "Just a sip of grill lighter may lead to life threatening lung damage"; c) lamp oils and grill lighters, labelled with R65 or H304, intended for supply to the general public are packaged in black opaque containers not exceeding 1 litre by 1 December 2010.6. No later than 1 June 2014, the Commission shall request the European Chemicals Agency to prepare a dossie
ason for revision: ATP4		Publication date: 2007-02-16 Date of revision: 2014-05-09

					alternatives to lamp oils and grill lighter fluids labe authority in the Member State concerned. Membe to the Commission.'	
Na	tional legislation The Net	herland	ds			
	Chemical Anchoring CA1					
	Waste identification (tl Netherlands)	he	LWCA (the Netherlands): KGA	category (	16	
	Waterbezwaarlijkheid		9			
Na	tional legislation Germar	IV				
	Chemical Anchoring CA1		omponent B			
	WGK		1; Classification water polluting		the components in compliance with Verwal	tungsvorschrift wassergefährdender
	dibenzoyl peroxide		Stoffe (VwVwS) of 27 July 2005	o (Anhang	4)	
	MAK 8-Stunden-Mittel	wert	Dibenzoylperoxid; 5 mg/m <sup>3</sup> ; ge	emessen a	ls einatembare Fraktion (vgl. Abschn. Vd) S. 1	191)
	mg/m³					,
	TA-Luft		5.2.5; I 5.2.5			
	2-ethylhexyl benzoate		5.2.5			
	TA-Luft		5.2.5; I			
	glycerol					
	Schwangerschaft Grup MAK 8-Stunden-Mittel	-	C Glycerin: 50 mg/m <sup>3</sup> : gemessen	als einate	mbare Fraktion (vgl. Abschn. Vd) S. 191)	
	mg/m <sup>3</sup>		elycenni, come, my genessen		(•B··· 2001 ··· 10/ 0. 202)	
	TA-Luft		5.2.5			
Na	tional legislation France					
	Chemical Anchoring CA1	400, Co	omponent B			
	No data available					
Na	tional legislation Belgium	1				
	Chemical Anchoring CA1 No data available	400, Co	emponent B			
	NO UALA AVAIIADIE					
<u>Ot</u>	her relevant data					
	Chemical Anchoring CA1 No data available	400, Co	omponent <u>B</u>			
	dibenzoyl peroxide					
	IARC - classification		3; Benzoyl peroxide			
	TLV - Carcinogen		Benzoyl peroxide; A4			
15.2.	Chemical safety ass No chemical safety asses					
SECTIC	ON 16: Other in	forr	mation			
			red to under headings 2 and 3:			
	H241 Heating may caus		-			
	H317 May cause an alle	-				
	H319 Causes serious ey H400 Very toxic to aqua					
	• -	-	armful effects to aquatic life.			
	(*) = INTERNAL CLASSIFIC		BY BIG baccumulative and toxic substar			
			belling and packaging (Globally		ed System in Europe)	
54	-factor	, .				
141-	dibenzoyl peroxide			10	Acute	BIG
		ofotu da	to chaot is based on data and s			
					ovided to BIG. The sheet was written to the I guideline for the safe handling, use, consum	, ,
	of the substances/prepa	rations,	/mixtures mentioned under poi	nt 1. New	safety data sheets are written from time to t	ime. Only the most recent versions
	-		-		e word for word on the safety data sheet, the ances or in processes. The safety data sheet o	
					uctions in this safety data sheet does not rel	
					dations or which are necessary and/or usefu	
		-	-		the information provided and cannot be hel on, Switzerland, Iceland, Norway and Liechte	
	at your own risk. Use of	this safe	ety data sheet is subject to the I	icence and	liability limiting conditions as stated in your	BIG licence agreement or when this is
			BIG. All intellectual property rig ent/conditions for details.	shts to this	sheet are the property of BIG and its distrib	ution and reproduction are limited.
		greente	any conditions for details.			
Reason fo	or revision: ATP4				Publication date: 2007-0	)2-16
					Date of revision: 2014-0	15-09
Revision r	number: 0400				Product number: 44842	13/13

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