

Soudafix CA1400, Component A

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

1.1. Product identifier

Product name : Soudafix CA1400, Component A
 Registration number REACH : Not applicable (mixture)
 Product type REACH : Mixture

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

1.2.1 Relevant identified uses

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

SODAL 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

SODAL N.V.
 Everdongenlaan 18-20
 B-2300 Turnhout
 ☎ +32 14 42 42 31
 📠 +32 14 42 65 14
 msds@soudal.com

1.4. Emergency telephone number

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

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classified as dangerous according to the criteria of Regulation (EC) No 1272/2008

Class	Category	Hazard statements
Skin Sens.	category 1B	H317: May cause an allergic skin reaction.
Eye Irrit.	category 2	H319: Causes serious eye irritation.
Aquatic Chronic	category 3	H412: Harmful to aquatic life with long lasting effects.

2.2. Label elements



Contains: tetramethylene dimethacrylate; ethylene dimethacrylate; hydroxypropyl methacrylate.

Signal word Warning

H-statements

H317 May cause an allergic skin reaction.
 H319 Causes serious eye irritation.
 H412 Harmful to aquatic life with long lasting effects.

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, protective clothing and eye protection/face protection.
 P264 Wash hands thoroughly after handling.
 P302 + P352 IF ON SKIN: Wash with plenty of water and soap.
 P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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P337 + P313
P501

If eye irritation persists: 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 CLP	Note	Remark
tetramethylene dimethacrylate 01-2119667415-30	2082-81-7 218-218-1	C>1%	Skin Sens. 1B; H317	(1)(10)	Constituent
vinyltoluene 01-2119622074-50	25013-15-4 246-562-2	2.5%<C<25%	Flam. Liq. 3; H226 Aquatic Chronic 2; H411	(1)(2)(10)	Constituent
ethylene dimethacrylate 01-2119965172-38	97-90-5 202-617-2	1%<C<10%	Skin Sens. 1; H317 STOT SE 3; H335	(1)(8)(10)	Constituent
hydroxypropyl methacrylate	27813-02-1 248-666-3	1%<C<10%	Skin Sens. 1; H317 Eye Irrit. 2; H319	(1)(10)	Constituent
2,2'-[(4-methylphenyl)imino]bisethanol	3077-12-1 221-359-1	1%<C<3%	Acute Tox. 4; H302 Eye Dam. 1; H318	(1)	Constituent
1,1'-(p-tolylimino)dipropan-2-ol 01-2119980937-17	38668-48-3 254-075-1	0.1%<C<1%	Acute Tox. 2; H300 Eye Irrit. 2; H319 Aquatic Chronic 3; H412	(1)	Constituent
1,4-naphthoquinone	130-15-4 204-977-6	0.1%<C<1%	Acute Tox. 1; H330 Acute Tox. 3; H301 Skin Sens. 1; H317 Skin Corr. 1C; H314 Eye Dam. 1; H318 STOT SE 3; H335 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	(1)(2)(9)	Constituent

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

(2) Substance with a Community workplace exposure limit

(8) Specific concentration limits, see heading 16

(9) M-factor, see heading 16

(10) Subject to restrictions of Annex XVII of Regulation (EC) No. 1907/2006

SECTION 4: First aid measures

4.1. Description of first aid measures

General:

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:

Wipe off dry product from skin. Wash immediately with lots of water. Do not apply (chemical) neutralizing agents without medical advice. Soap may be used. Take victim to a doctor if irritation persists.

After eye contact:

Rinse immediately with plenty of water. Remove contact lenses, if present and easy to do. Continue rinsing. Do not apply (chemical) neutralizing agents without medical advice. Take victim to an ophthalmologist if irritation persists.

After ingestion:

Rinse mouth with water. Do not apply (chemical) neutralizing agents without medical advice. 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:

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No effects known.
4.2.2 Delayed symptoms
No effects known.

4.3. Indication of any immediate medical attention and special treatment needed

If applicable and available it will be listed below.

SECTION 5: Firefighting measures

5.1. Extinguishing media

5.1.1 Suitable extinguishing media:

Small fire: Quick-acting ABC powder extinguisher, Quick-acting BC powder extinguisher, Quick-acting class B foam extinguisher, Quick-acting CO2 extinguisher.
Major fire: Class B foam (not alcohol-resistant).

5.1.2 Unsuitable extinguishing media:

Small fire: Water (quick-acting extinguisher, reel); risk of puddle expansion.
Major fire: Water; risk of puddle expansion.

5.2. Special hazards arising from the substance or mixture

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

5.3. Advice for firefighters

5.3.1 Instructions:

Take account of environmentally hazardous firefighting water. Use water moderately and if possible collect or contain it.

5.3.2 Special protective equipment for fire-fighters:

Gloves. 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 released product. Dam up the solid spill. Use appropriate containment to avoid environmental contamination. Prevent soil and water pollution. Prevent spreading in sewers.

6.3. Methods and material for containment and cleaning up

Scoop solid spill into closing containers. Carefully collect the spill/leftovers. Clean contaminated surfaces with an excess of water. Take collected spill to manufacturer/competent authority. Wash clothing and equipment after handling.

6.4. Reference to other sections

See heading 13.

SECTION 7: Handling and storage

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

7.1. Precautions for safe handling

Keep away from naked flames/heat. Observe very strict hygiene - avoid contact. Remove contaminated clothing immediately. Do not discharge the waste into the drain. Keep container tightly closed.

7.2. Conditions for safe storage, including any incompatibilities

7.2.1 Safe storage requirements:

Storage temperature: 5 °C - 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, 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.

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 Occupational exposure

a) Occupational exposure limit values

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

Belgium

Vinyltoluène (tous isomères)	Time-weighted average exposure limit 8 h	50 ppm
	Time-weighted average exposure limit 8 h	246 mg/m ³
	Short time value	100 ppm
	Short time value	490 mg/m ³

France

Vinyltoluènes (tous isomères)	Time-weighted average exposure limit 8 h (VL: Valeur non réglementaire indicative)	50 ppm
	Time-weighted average exposure limit 8 h (VL: Valeur non réglementaire indicative)	240 mg/m ³

Germany

Vinyltoluol (alle Isomeren)	Time-weighted average exposure limit 8 h (TRGS 900)	20 ppm
	Time-weighted average exposure limit 8 h (TRGS 900)	98 mg/m ³

USA (TLV-ACGIH)

Vinyl toluene	Time-weighted average exposure limit 8 h (TLV - Adopted Value)	50 ppm
	Short time value (TLV - Adopted Value)	100 ppm

b) National biological limit values

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

USA (BEI-ACGIH)

Methemoglobin inducers (Methemoglobin)	Blood: during or end of shift	1,5 % of hemoglobin
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8.1.2 Sampling methods

If applicable and available it will be listed below.

8.1.3 Applicable limit values when using the substance or mixture as intended

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

8.1.4 Threshold values

DNEL/DMEL - Workers

tetramethylene dimethacrylate

Effect level (DNEL/DMEL)	Type	Value	Remark
DNEL	Long-term systemic effects inhalation	14.5 mg/m ³	
	Long-term systemic effects dermal	4.2 mg/kg bw/day	

ethylene dimethacrylate

Effect level (DNEL/DMEL)	Type	Value	Remark
DNEL	Long-term systemic effects oral	2.45 mg/m ³	
	Long-term systemic effects dermal	1.3 mg/kg bw/day	

hydroxypropyl methacrylate

Effect level (DNEL/DMEL)	Type	Value	Remark
DNEL	Long-term systemic effects inhalation	14.7 mg/m ³	
	Long-term systemic effects dermal	4.2 mg/kg bw/day	

1,1'-(p-tolylimino)dipropan-2-ol

Effect level (DNEL/DMEL)	Type	Value	Remark
DNEL	Long-term systemic effects inhalation	2 mg/m ³	
	Long-term systemic effects dermal	0.6 mg/kg bw/day	

1,4-naphthoquinone

Effect level (DNEL/DMEL)	Type	Value	Remark
DNEL	Long-term systemic effects inhalation	0.033 mg/m ³	

DNEL/DMEL - General population

tetramethylene dimethacrylate

Effect level (DNEL/DMEL)	Type	Value	Remark
DNEL	Long-term systemic effects inhalation	4.3 mg/m ³	
	Long-term systemic effects dermal	2.5 mg/kg bw/day	
	Long-term systemic effects oral	2.5 mg/kg bw/day	

ethylene dimethacrylate

Effect level (DNEL/DMEL)	Type	Value	Remark
DNEL	Long-term systemic effects inhalation	1.47 mg/m ³	
	Long-term systemic effects dermal	100 mg/kg bw/day	
	Long-term systemic effects oral	100 mg/kg bw/day	

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hydroxypropyl methacrylate

Effect level (DNEL/DMEL)	Type	Value	Remark
DNEL	Long-term systemic effects inhalation	8.8 mg/m ³	
	Long-term systemic effects dermal	2.5 mg/kg bw/day	
	Long-term systemic effects oral	2.5 mg/kg bw/day	

1,1'-(p-tolylimino)dipropen-2-ol

Effect level (DNEL/DMEL)	Type	Value	Remark
DNEL	Long-term systemic effects inhalation	0.4 mg/m ³	
	Long-term systemic effects dermal	0.3 mg/kg bw/day	
	Long-term systemic effects oral	0.3 mg/kg bw/day	

PNEC

tetramethylene dimethacrylate

Compartments	Value	Remark
Fresh water	0.087 mg/l	
Marine water	0.009 mg/l	
STP	20 mg/l	
Fresh water sediment	3.12 mg/kg sediment dw	
Marine water sediment	0.312 mg/kg sediment dw	
Soil	0.573 mg/kg soil dw	

ethylene dimethacrylate

Compartments	Value	Remark
Fresh water	0.139 mg/l	
Marine water	0.014 mg/l	
Aqua (intermittent releases)	0.15 mg/l	
STP	57 mg/l	
Fresh water sediment	1.6 mg/kg sediment dw	
Marine water sediment	0.16 mg/kg sediment dw	
Soil	0.239 mg/kg soil dw	

hydroxypropyl methacrylate

Compartments	Value	Remark
Fresh water	0.904 mg/l	
Marine water	0.904 mg/l	
STP	10 mg/l	
Fresh water sediment	6.28 mg/kg sediment dw	
Marine water sediment	6.28 mg/kg sediment dw	
Soil	0.727 mg/kg soil dw	

1,1'-(p-tolylimino)dipropen-2-ol

Compartments	Value	Remark
Fresh water	0.017 mg/l	
Marine water	0.0017 mg/l	
Aqua (intermittent releases)	0.17 mg/l	
STP	199.5 mg/l	
Fresh water sediment	0.0782 mg/kg sediment dw	
Marine water sediment	0.00782 mg/kg sediment dw	
Soil	0.005 mg/kg soil dw	

1,4-naphthoquinone

Compartments	Value	Remark
Fresh water	26.1 ng/l	
Marine water	2.61 ng/l	
Fresh water (intermittent releases)	261 ng/l	
Marine water (intermittent releases)	26.1 ng/l	
STP	0.172 mg/l	
Fresh water sediment	321 ng/kg sediment dw	
Marine water sediment	32.1 ng/kg sediment dw	
Soil	49 ng/kg soil dw	

8.1.5 Control banding

If applicable and available it will be listed below.

8.2. Exposure controls

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

8.2.1 Appropriate engineering controls

Keep away from naked flames/heat. 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. Do not eat, drink or smoke during work.

a) Respiratory protection:

Respiratory protection not required in normal conditions.

b) Hand protection:

Gloves.

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Materials	Measured breakthrough time	Thickness	Protection index
nitrile rubber	> 480 minutes	0.5 mm	Class 6

c) Eye protection:

Safety glasses.

d) Skin protection:

Protective clothing.

8.2.3 Environmental exposure controls:

See headings 6.2, 6.3 and 13

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical form	Paste
Odour	Characteristic odour
Odour threshold	No data available
Colour	Light beige
Particle size	No data available
Explosion limits	No data available
Flammability	Non-flammable
Log Kow	Not applicable (mixture)
Dynamic viscosity	No data available
Kinematic viscosity	No data available
Melting point	No data available
Boiling point	No data available
Evaporation rate	No data available
Relative vapour density	Not applicable
Vapour pressure	No data available
Solubility	Water ; insoluble
Relative density	1.72 ; 20 °C
Decomposition temperature	No data available
Auto-ignition temperature	No data available
Flash point	No data available
Explosive properties	No chemical group associated with explosive properties
Oxidising properties	No chemical group associated with oxidising properties
pH	No data available

9.2. Other information

Absolute density	1720 kg/m ³ ; 20 °C
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SECTION 10: Stability and reactivity

10.1. Reactivity

No data available.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

Precautionary measures

Keep away from naked flames/heat.

10.5. Incompatible materials

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

Soudafix CA1400, Component A

Route of exposure	Parameter	Method	Value	Exposure time	Species	Value determination	Remark
Oral	ATE		> 5000 mg/kg bw		Rat	Calculated value	

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Inhalation	ATE		> 100 mg/l		Rat	Calculated value	
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Judgement is based on the relevant ingredients

tetramethylene dimethacrylate

Route of exposure	Parameter	Method	Value	Exposure time	Species	Value determination	Remark
Oral	LD50	Equivalent to OECD 401	10066 mg/kg bw		Rat (male / female)	Experimental value	
Dermal	LD50		> 3000 mg/kg bw		Rabbit	Read-across	
Inhalation						Data waiving	

vinyltoluene

Route of exposure	Parameter	Method	Value	Exposure time	Species	Value determination	Remark
Oral	LD50		3375 mg/kg bw		Rat (male)	Experimental value	
Dermal	LD50		> 4585 mg/kg bw	24 h	Rabbit (male / female)	Experimental value	
Inhalation (vapours)	LC50		> 16.891 mg/l	4 h	Rat (male / female)	Experimental value	

ethylene dimethacrylate

Route of exposure	Parameter	Method	Value	Exposure time	Species	Value determination	Remark
Oral	LD50	Other	8700 mg/kg		Rat (male / female)	Literature study	
Dermal	LD50	OECD 402	> 2000 mg/kg bw	24 h	Rat (male / female)	Experimental value	
Inhalation						Data waiving	

hydroxypropyl methacrylate

Route of exposure	Parameter	Method	Value	Exposure time	Species	Value determination	Remark
Oral	LD50	OECD 401	≥ 2000 mg/kg bw		Rat (male / female)	Experimental value	
Dermal	LD50		≥ 5000 mg/kg bw	24 h	Rabbit (male)	Experimental value	
Inhalation						Data waiving	

2,2'-(4-methylphenyl)imino]bisethanol

Route of exposure	Parameter	Method	Value	Exposure time	Species	Value determination	Remark
Oral	LD50		960 mg/kg		Rat	Literature study	
Oral			category 4			Literature study	

1,1'-(p-tolylimino)dipropan-2-ol

Route of exposure	Parameter	Method	Value	Exposure time	Species	Value determination	Remark
Oral	LD50	OECD 423	25 mg/kg bw - 200 mg/kg bw		Rat (male / female)	Experimental value	
Dermal	LD50	OECD 402	> 2000 mg/kg bw/day	24 h	Rat (male / female)	Experimental value	
Inhalation						Data waiving	

1,4-naphthoquinone

Route of exposure	Parameter	Method	Value	Exposure time	Species	Value determination	Remark
Oral	LD50	Equivalent to OECD 401	124 mg/kg bw		Rat (male / female)	Experimental value	
Dermal						Data waiving	
Inhalation (aerosol)	LC50	OECD 403	0.046 mg/l air	4 h	Rat (male / female)	Experimental value	

Conclusion

Not classified for acute toxicity

Corrosion/irritation

Soudafix CA1400, Component A

No (test) data on the mixture available

Classification is based on the relevant ingredients

tetramethylene dimethacrylate

Route of exposure	Result	Method	Exposure time	Time point	Species	Value determination	Remark
Eye	Not irritating	Equivalent to OECD 405		24; 48; 72 hours	Rabbit	Experimental value	Single treatment without rinsing
Skin	Not irritating	Draize Skin Test	24 h	24; 48 hours	Rabbit	Experimental value	

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vinyltoluene

Route of exposure	Result	Method	Exposure time	Time point	Species	Value determination	Remark
Eye	Slightly irritating	Equivalent to OECD 405		1; 24; 48; 72 hrs; 7 days	Rabbit	Experimental value	
Skin	Slightly irritating		24 h	24; 72 hours	Rabbit	Experimental value	

ethylene dimethacrylate

Route of exposure	Result	Method	Exposure time	Time point	Species	Value determination	Remark
Eye	Not irritating	Other	72 h	7 days	Rabbit	Experimental value	
Skin	Not irritating	Draize Skin Test	24 h	24; 72 hours	Rabbit	Weight of evidence	
Inhalation	Irritating					Literature study	

hydroxypropyl methacrylate

Route of exposure	Result	Method	Exposure time	Time point	Species	Value determination	Remark
Eye	Not irritating	Draize Test		1; 2; 3; 4; 5; 7 days	Rabbit	Experimental value	
Eye	Irritating	Draize Test			Rabbit	Literature study	
Skin	Not irritating		24 h	24; 72 hours	Rabbit	Experimental value	

2,2'-(4-methylphenyl)imino]bisethanol

Route of exposure	Result	Method	Exposure time	Time point	Species	Value determination	Remark
Eye	Serious eye damage; category 1					Literature study	

1,1'-(p-tolylimino)dipropan-2-ol

Route of exposure	Result	Method	Exposure time	Time point	Species	Value determination	Remark
Eye	Irritating	OECD 405	24 h	1; 24; 48; 72; 168 hours	Rabbit	Experimental value	
Skin	Not irritating	OECD 404	4 h	1; 24; 48; 72; 168 hours	Rabbit	Experimental value	

1,4-naphthoquinone

Route of exposure	Result	Method	Exposure time	Time point	Species	Value determination	Remark
Eye						Data waiving	
Skin	Corrosive	OECD 404		4 hours	Rabbit	Experimental value	
Inhalation	Irritating		30 minutes		Mouse	Experimental value	

Conclusion

Causes serious eye irritation.
Not classified as irritating to the respiratory system
Not classified as irritating to the skin

Respiratory or skin sensitisation

Soudafix CA1400, Component A

No (test) data on the mixture available
Classification is based on the relevant ingredients

tetramethylene dimethacrylate

Route of exposure	Result	Method	Exposure time	Observation time point	Species	Value determination	Remark
Skin	Sensitizing	Modified Freund's adjuvant test		21 days	Guinea pig (female)	Experimental value	

vinyltoluene

Route of exposure	Result	Method	Exposure time	Observation time point	Species	Value determination	Remark
Skin	Not sensitizing	OECD 406			Guinea pig (male / female)	Experimental value	

ethylene dimethacrylate

Route of exposure	Result	Method	Exposure time	Observation time point	Species	Value determination	Remark
Skin	Sensitizing	OECD 406			Mouse (female)	Experimental value	
Skin	Sensitizing				Human	Experimental value	

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hydroxypropyl methacrylate

Route of exposure	Result	Method	Exposure time	Observation time point	Species	Value determination	Remark
Skin	Sensitizing	Patch test on human skin			Human (male / female)	Literature study	
Skin	Not sensitizing	Equivalent to OECD 429			Mouse (female)	Experimental value	

1,1'-(p-tolylimino)dipropen-2-ol

Route of exposure	Result	Method	Exposure time	Observation time point	Species	Value determination	Remark
Skin	Not sensitizing	OECD 406		24; 48 hours	Guinea pig (female)	Experimental value	

1,4-naphthoquinone

Route of exposure	Result	Method	Exposure time	Observation time point	Species	Value determination	Remark
Skin	Sensitizing		11 day(s)		Guinea pig	Experimental value	

Conclusion

May cause an allergic skin reaction.

Not classified as sensitizing for inhalation

Specific target organ toxicity

Soudafix CA1400, Component A

No (test)data on the mixture available

Judgement is based on the relevant ingredients

tetramethylene dimethacrylate

Route of exposure	Parameter	Method	Value	Organ	Effect	Exposure time	Species	Value determination
Oral (stomach tube)	NOAEL	OECD 422	300 mg/kg bw/day		No effect		Rat (male / female)	Experimental value
Dermal	NOAEL local effects		100 mg/kg bw/day	Skin	No effect	78 weeks (5 days / week)	Mouse (male)	Experimental value
Dermal	NOAEL systemic effects		500 mg/kg bw/day		No adverse systemic effects	78 weeks (5 days / week)	Mouse (male)	Experimental value
Inhalation								Data waiving

vinyltoluene

Route of exposure	Parameter	Method	Value	Organ	Effect	Exposure time	Species	Value determination
Oral (stomach tube)	LOAEL	Subchronic toxicity test	50 mg/kg bw/day	Lungs	Histopathology	13 weeks (daily)	Rat (male / female)	Experimental value
Dermal	Dose level		0.2 mg/l	Skin	Tingling/irritation of the skin	21 days (6h / day)	Rabbit (male / female)	Experimental value
Inhalation (vapours)	NOEC	Equivalent to OECD 413	60 ppm		No effect	13 weeks (6h / day, 5 days / week)	Rat (male / female)	Experimental value

ethylene dimethacrylate

Route of exposure	Parameter	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
Dermal	NOAEL	Other	100 mg/kg bw/day	Skin	Irritation	78 weeks (daily, 5 days / week)	Mouse (male)	Read-across

hydroxypropyl methacrylate

Route of exposure	Parameter	Method	Value	Organ	Effect	Exposure time	Species	Value determination
Oral (stomach tube)	NOAEL	OECD 422	300 mg/kg bw		No effect	49 day(s)	Rat (male)	Experimental value
Dermal								Data waiving
Inhalation	NOAEL	Subacute toxicity test	0.5 mg/l		No effect	3 weeks (6h / day, 5 days / week)	Rat (male / female)	Literature study

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1,1'-(p-tolylimino)dipropan-2-ol

Route of exposure	Parameter	Method	Value	Organ	Effect	Exposure time	Species	Value determination
Oral (stomach tube)	NOAEL systemic effects	OECD 422	40 mg/kg bw/day		No adverse systemic effects		Rat (male)	Experimental value
Oral (stomach tube)	NOAEL systemic effects	OECD 422	20 mg/kg bw/day		No adverse systemic effects		Rat (female)	Experimental value

1,4-naphthoquinone

Route of exposure	Parameter	Method	Value	Organ	Effect	Exposure time	Species	Value determination
Oral (stomach tube)	NOAEL	OECD 422	2 mg/kg bw/day			≥ 42 day(s)	Rat (male / female)	Experimental value

Conclusion

Not classified for subchronic toxicity

Mutagenicity (in vitro)

Soudafix CA1400, Component A

No (test) data on the mixture available

tetramethylene dimethacrylate

Result	Method	Test substrate	Effect	Value determination
Negative with metabolic activation, negative without metabolic activation	OECD 471	Bacteria (S.typhimurium)		Experimental value

vinyltoluene

Result	Method	Test substrate	Effect	Value determination
Positive without metabolic activation	Equivalent to OECD 476	Mouse (lymphoma L5178Y cells)		Experimental value
Negative with metabolic activation, negative without metabolic activation	OECD 471	Bacteria (S.typhimurium)		Experimental value

ethylene dimethacrylate

Result	Method	Test substrate	Effect	Value determination
Negative		Mouse fibroblasts		Experimental value

hydroxypropyl methacrylate

Result	Method	Test substrate	Effect	Value determination
Negative with metabolic activation, negative without metabolic activation	OECD 471	Bacteria (S.typhimurium)		Experimental value

1,1'-(p-tolylimino)dipropan-2-ol

Result	Method	Test substrate	Effect	Value determination
Negative with metabolic activation, negative without metabolic activation	OECD 471	Bacteria (S.typhimurium)	No effect	Experimental value

1,4-naphthoquinone

Result	Method	Test substrate	Effect	Value determination
Negative without metabolic activation, positive with metabolic activation	OECD 471	Bacteria (S.typhimurium)		Experimental value
Positive without metabolic activation	OECD 473	Chinese hamster lung fibroblasts (V79)		Experimental value

Mutagenicity (in vivo)

Soudafix CA1400, Component A

No (test) data on the mixture available

Judgement is based on the relevant ingredients

tetramethylene dimethacrylate

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

vinyltoluene

Result	Method	Exposure time	Test substrate	Organ	Value determination
Negative (Oral (stomach tube))	Equivalent to OECD 478	7 week(s)	Rat (male / female)		Experimental value

ethylene dimethacrylate

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

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Soudafix CA1400, Component A

hydroxypropyl methacrylate

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

1,4-naphthoquinone

Result	Method	Exposure time	Test substrate	Organ	Value determination
Negative (Oral (stomach tube))	OECD 475		Guinea pig (male / female)		Experimental value

Conclusion

Not classified for mutagenic or genotoxic toxicity

Carcinogenicity

Soudafix CA1400, Component A

No (test) data on the mixture available

Judgement is based on the relevant ingredients

vinyltoluene

Route of exposure	Parameter	Method	Value	Exposure time	Species	Effect	Organ	Value determination
Inhalation (vapours)	NOAEL	Equivalent to OECD 451	> 300 ppm	103 weeks (6h / day, 5 days / week)	Rat (male / female)	No carcinogenic effect		Experimental value

hydroxypropyl methacrylate

Route of exposure	Parameter	Method	Value	Exposure time	Species	Effect	Organ	Value determination
Inhalation (vapours)	NOAEC	Equivalent to OECD 451	≥ 1000 ppm	102 weeks (6h / day, 5 days / week)	Rat (male)	No carcinogenic effect		Experimental value
Oral (drinking water)	NOAEL	Carcinogenic toxicity study	≥ 90.3 mg/kg bw/day	104 weeks (daily)	Rat (male)			Experimental value

Conclusion

Not classified for carcinogenicity

Reproductive toxicity

Soudafix CA1400, Component A

No (test) data on the mixture available

Judgement is based on the relevant ingredients

tetramethylene dimethacrylate

	Parameter	Method	Value	Exposure time	Species	Effect	Organ	Value determination
Developmental toxicity	NOAEL	OECD 422	300 mg/kg bw/day		Rat	No effect	Foetus	Experimental value
Effects on fertility	NOEL	OECD 422	300 mg/kg bw/day		Rat (male / female)	No effect		Experimental value

vinyltoluene

	Parameter	Method	Value	Exposure time	Species	Effect	Organ	Value determination
Developmental toxicity (Oral (stomach tube))	NOAEL	Equivalent to OECD 414	600 mg/kg bw/day	14 day(s)	Rat	No effect	Foetus	Experimental value
Maternal toxicity (Oral (stomach tube))	LOAEL	Equivalent to OECD 414	50 mg/kg bw/day	14 day(s)	Rat	Maternal toxicity		Experimental value
Effects on fertility (Oral (stomach tube))	NOAEL	Equivalent to OECD 416	200 mg/kg bw/day		Rat (male / female)	No effect		Experimental value
	LOAEL	Equivalent to OECD 416	500 mg/kg bw/day		Rat (male / female)	Body weight reduction, mortality, reproductive performance		Experimental value

ethylene dimethacrylate

	Parameter	Method	Value	Exposure time	Species	Effect	Organ	Value determination
Developmental toxicity	NOAEL (F1)	OECD 422	≥ 1000 mg/kg bw/day	49 day(s)	Rat (male / female)	No effect		Read-across
	NOAEL	OECD 414	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	Blood	Read-across

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Soudafix CA1400, Component A

hydroxypropyl methacrylate

	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 days (6h / day)	Rat	No effect		Experimental value
Maternal toxicity	LOEC	OECD 414	0.41 mg/l air	10 days (6h / day)	Rat	Reduced body weight and food consumption		Experimental value
	NOAEL	OECD 414	50 mg/kg bw/day	23 day(s)	Rabbit	No effect		Experimental value
Effects on fertility	NOAEL (P/F1)	OECD 416	400 mg/kg bw/day		Rat (male / female)	No effect		Experimental value

1,1'-(p-tolylimino)dipropen-2-ol

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

1,4-naphthoquinone

	Parameter	Method	Value	Exposure time	Species	Effect	Organ	Value determination
Effects on fertility (Oral (stomach tube))	NOAEL	OECD 422	2 mg/kg bw/day	14 day(s)	Rat (male / female)	No effect		Experimental value

Conclusion

Not classified for reprotoxic or developmental toxicity

Toxicity other effects

Soudafix CA1400, Component A

No (test)data on the mixture available

Chronic effects from short and long-term exposure

Soudafix CA1400, Component A

Skin rash/inflammation.

SECTION 12: Ecological information

12.1. Toxicity

Soudafix CA1400, Component A

No (test)data on the mixture available

Classification is based on the relevant ingredients

tetramethylene dimethacrylate

	Parameter	Method	Value	Duration	Species	Test design	Fresh/salt water	Value determination
Acute toxicity fishes	EC50	DIN 38412-15	32.5 mg/l	48 h	Leuciscus idus	Static system	Fresh water	Read-across; GLP
Acute toxicity crustacea								Data waiving
Toxicity algae and other aquatic plants	ErC50	OECD 201	9.79 mg/l	72 h	Desmodesmus subspicatus	Static system	Fresh water	Experimental value; GLP
Long-term toxicity fish								Data waiving
Long-term toxicity aquatic crustacea	NOEC	OECD 211	5.09 mg/l	21 day(s)	Daphnia magna	Semi-static system	Fresh water	Experimental value; GLP
Toxicity aquatic micro-organisms	NOEC	Other	20 mg/l	28 day(s)	Activated sludge	Static system	Fresh water	Experimental value; GLP

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Soudafix CA1400, Component A

vinyltoluene

	Parameter	Method	Value	Duration	Species	Test design	Fresh/salt water	Value determination
Acute toxicity fishes	LC50	OECD 203	5.2 mg/l	96 h	Pimephales promelas	Semi-static system	Fresh water	Experimental value
Acute toxicity crustacea	LC50	OECD 202	1.3 mg/l	18 h	Daphnia magna	Static system	Fresh water	Experimental value; GLP
Toxicity algae and other aquatic plants	ErC50	OECD 201	4.3 mg/l	72 h	Pseudokirchneriella subcapitata	Static system	Fresh water	Experimental value
	NOEC	OECD 201	1.6 mg/l	72 h	Pseudokirchneriella subcapitata	Static system	Fresh water	Experimental value
Long-term toxicity fish	NOEC	ECOSAR	0.398 mg/l	30 day(s)	Pisces		Fresh water	QSAR
Long-term toxicity aquatic crustacea	NOEC	ECOSAR	0.32 mg/l	21 day(s)	Daphnia magna		Fresh water	QSAR
Toxicity aquatic micro-organisms	EC50	OECD 209	592 mg/l	3 h	Activated sludge			Experimental value; GLP

	Parameter	Method	Value	Duration	Species	Value determination
Toxicity soil macro-organisms	LC50		145.605 mg/kg soil dw	14 day(s)	Lumbricus sp.	QSAR

ethylene dimethacrylate

	Parameter	Method	Value	Duration	Species	Test design	Fresh/salt water	Value determination
Acute toxicity fishes	LC50	OECD 203	15.95 mg/l	96 h	Danio rerio	Static system		Experimental value; GLP
Acute toxicity crustacea	EC50	OECD 202	44.9 mg/l	48 h	Daphnia magna	Static system		Experimental value; GLP
Toxicity algae and other aquatic plants	ErC50	OECD 201	19 mg/l	96 h	Pseudokirchneriella subcapitata	Static system		Experimental value; GLP
Long-term toxicity aquatic crustacea	NOEC	OECD 211	5.05 mg/l	21 day(s)	Daphnia magna	Semi-static system		Experimental value; GLP
Toxicity aquatic micro-organisms	EC50	ISO 8192	570 mg/l	3 h	Activated sludge	Static system	Fresh water	Experimental value; GLP

hydroxypropyl methacrylate

	Parameter	Method	Value	Duration	Species	Test design	Fresh/salt water	Value determination
Acute toxicity fishes	LC50	DIN 38412-15	493 mg/l	48 h	Leuciscus idus	Static system	Fresh water	Experimental value; GLP
Acute toxicity crustacea	EC50	OECD 202	> 143 mg/l	48 h	Daphnia magna	Semi-static system	Fresh water	Experimental value; GLP
Toxicity algae and other aquatic plants	EC50	OECD 201	> 97.2 mg/l	72 h	Pseudokirchneriella subcapitata	Static system	Fresh water	Experimental value; GLP
	NOEC	OECD 201	> 97.2 mg/l	72 h	Pseudokirchneriella subcapitata	Static system	Fresh water	Experimental value; GLP
Long-term toxicity aquatic crustacea	NOEC	OECD 211	45.2 mg/l	21 day(s)	Daphnia magna	Semi-static system	Fresh water	Experimental value; GLP

2,2'-(4-methylphenyl)imino]bisethanol

	Parameter	Method	Value	Duration	Species	Test design	Fresh/salt water	Value determination
Acute toxicity fishes	LC50		> 100 mg/l	96 h	Brachydanio rerio			Literature study

1,1'-(p-tolylimino)dipropen-2-ol

	Parameter	Method	Value	Duration	Species	Test design	Fresh/salt water	Value determination
Acute toxicity fishes	LC50	Other	17 mg/l	96 h	Danio rerio	Static system	Fresh water	Experimental value; Nominal concentration
Acute toxicity crustacea	EC50	OECD 202	28.8 mg/l	48 h	Daphnia magna	Static system	Fresh water	Experimental value; GLP
Toxicity algae and other aquatic plants	ErC50	OECD 201	245 mg/l	72 h	Desmodesmus subspicatus	Static system	Salt water	Experimental value; GLP
Toxicity aquatic micro-organisms	EC10	OECD 209	> 1995 mg/l	30 minutes	Activated sludge	Static system	Fresh water	Experimental value

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Soudafix CA1400, Component A

1,4-naphthoquinone

	Parameter	Method	Value	Duration	Species	Test design	Fresh/salt water	Value determination
Acute toxicity fishes	LC50	OECD 203	0.045 mg/l	96 h	Oryzias latipes	Semi-static system	Fresh water	Experimental value; GLP
Acute toxicity crustacea	EC50	OECD 202	0.026 mg/l	48 h	Daphnia magna	Semi-static system	Fresh water	Experimental value; GLP
Toxicity algae and other aquatic plants	NOEC	OECD 201	0.0697 mg/l	72 h	Pseudokirchneriella subcapitata	Static system	Fresh water	Experimental value; GLP
	ErC50	OECD 201	0.42 mg/l	72 h	Pseudokirchneriella subcapitata	Static system	Fresh water	Experimental value; GLP
Toxicity aquatic micro-organisms	EC50	OECD 209	5.94 mg/l	3 h	Activated sludge	Static system	Fresh water	Experimental value; GLP

Conclusion

Harmful to aquatic life with long lasting effects.

12.2. Persistence and degradability

tetramethylene dimethacrylate

Biodegradation water

Method	Value	Duration	Value determination
OECD 310: Ready biodegradability - CO2 in sealed vessels	84 %; GLP	28 day(s)	Experimental value

Phototransformation air (DT50 air)

Method	Value	Conc. OH-radicals	Value determination
AOPWIN v1.92	9.006 h	500000 /cm ³	Calculated value
	12.090 h; Ozonolysis		Calculated value

vinyltoluene

Biodegradation water

Method	Value	Duration	Value determination
OECD 301D: Closed Bottle Test	36.7 %; GLP	28 day(s)	Experimental value

Phototransformation air (DT50 air)

Method	Value	Conc. OH-radicals	Value determination
AOPWIN v1.92	0.34 day(s) - 0.546 day(s)		QSAR

Biodegradation soil

Method	Value	Duration	Value determination
			Data waiving

ethylene dimethacrylate

Biodegradation water

Method	Value	Duration	Value determination
OECD 301F: Manometric Respirometry Test	69 %; GLP	28 day(s)	Experimental value

Phototransformation air (DT50 air)

Method	Value	Conc. OH-radicals	Value determination
AOPWIN v1.92	9.644 h	500000 /cm ³	Calculated value

Half-life water (t1/2 water)

Method	Value	Primary degradation/mineralisation	Value determination
Hydrowin v2.00	1.6 year(s) - 15.7 year(s)	Primary degradation	Calculated value

hydroxypropyl methacrylate

Biodegradation water

Method	Value	Duration	Value determination
OECD 301E: Modified OECD Screening Test	94.2 %	28 day(s)	Experimental value

2,2'-(4-methylphenyl)imino]bisethanol

Phototransformation air (DT50 air)

Method	Value	Conc. OH-radicals	Value determination
	0.077 day(s)	500000 /cm ³	Calculated value

1,1'-(p-tolylimino)dipropan-2-ol

Biodegradation water

Method	Value	Duration	Value determination
OECD 301B: CO2 Evolution Test	39.1 %; GLP	28 day(s)	Experimental value

Phototransformation air (DT50 air)

Method	Value	Conc. OH-radicals	Value determination
SRC AOP v1.92	1.762 h	500000 /cm ³	QSAR

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Soudafix CA1400, Component A

1,4-naphthoquinone

Biodegradation water

Method	Value	Duration	Value determination
OECD 301F: Manometric Respirometry Test	0 %; GLP	28 day(s)	Experimental value

Half-life water (t1/2 water)

Method	Value	Primary degradation/mineralisation	Value determination
OECD 111: Hydrolysis as a function of pH	21 day(s); GLP		Experimental value

Conclusion

Contains non readily biodegradable component(s)

12.3. Bioaccumulative potential

Soudafix CA1400, Component A

Log Kow

Method	Remark	Value	Temperature	Value determination
	Not applicable (mixture)			

tetramethylene dimethacrylate

Log Kow

Method	Remark	Value	Temperature	Value determination
OECD 117		3.1	20 °C	Experimental value

vinyltoluene

BCF fishes

Parameter	Method	Value	Duration	Species	Value determination
BCF	Other	120 - 170	30 day(s)	Lepomis macrochirus	Experimental value

Log Kow

Method	Remark	Value	Temperature	Value determination
		3.26 - 3.36	25 °C	Experimental value

ethylene dimethacrylate

BCF other aquatic organisms

Parameter	Method	Value	Duration	Species	Value determination
BCF	BCFBAF v3.00	2.96			QSAR

Log Kow

Method	Remark	Value	Temperature	Value determination
OECD 102		2.4		Experimental value

hydroxypropyl methacrylate

BCF fishes

Parameter	Method	Value	Duration	Species	Value determination
BCF		≤ 100		Pisces	
		3.2; QSAR		Pisces	

Log Kow

Method	Remark	Value	Temperature	Value determination
OECD 102		0.97		

2,2'-(4-methylphenyl)imino]bisethanol

Log Kow

Method	Remark	Value	Temperature	Value determination
		1.09		Experimental value

1,1'-(p-tolylimino)dipropan-2-ol

Log Kow

Method	Remark	Value	Temperature	Value determination
OECD 107		2.1	24 °C	Experimental value

1,4-naphthoquinone

Log Kow

Method	Remark	Value	Temperature	Value determination
OECD 107		1.77		Weight of evidence approach

Conclusion

Does not contain bioaccumulative component(s)

12.4. Mobility in soil

tetramethylene dimethacrylate

(log) Koc

Parameter	Method	Value	Value determination
log Koc	SRC PCKOCWIN v2.0	1.89 - 2.51	Calculated value

Soudafix CA1400, Component A

vinyltoluene

(log) Koc

Parameter	Method	Value	Value determination
log Koc	SRC PCKOCWIN v2.0	2.985	QSAR

Volatility (Henry's Law constant H)

Value	Method	Temperature	Remark	Value determination
3.05E-3 atm m ³ /mol	SRC HENRYWIN v3.20	25 °C		QSAR

ethylene dimethacrylate

Volatility (Henry's Law constant H)

Value	Method	Temperature	Remark	Value determination
0.000000378 atm m ³ /mol	SRC HENRYWIN v3.20	25 °C		Calculated value

Percent distribution

Method	Fraction air	Fraction biota	Fraction sediment	Fraction soil	Fraction water	Value determination
Mackay level III	42.7 %		0.0378 %	43.8 %	13.5 %	Calculated value

hydroxypropyl methacrylate

(log) Koc

Parameter	Method	Value	Value determination
Koc		80	Estimated value

Volatility (Henry's Law constant H)

Value	Method	Temperature	Remark	Value determination
2.33E-008 atm m ³ /mol		25 °C		Estimated value
0.000946 Pa.m ³ /mol	SRC HENRYWIN v3.20	25 °C		Estimated value

1,1'-(p-tolylimino)dipropan-2-ol

(log) Koc

Parameter	Method	Value	Value determination
log Koc	SRC PCKOCWIN v2.0	0.9185	Calculated value

Volatility (Henry's Law constant H)

Value	Method	Temperature	Remark	Value determination
0.0000398 Pa.m ³ /mol	SRC HENRYWIN v3.20	25 °C		Calculated value

1,4-naphthoquinone

(log) Koc

Parameter	Method	Value	Value determination
			Data waiving

Conclusion

Contains component(s) with potential for mobility in the soil
 Contains component(s) that adsorb(s) into the soil

12.5. Results of PBT and vPvB assessment

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

12.6. Other adverse effects

Soudafix CA1400, Component A

Fluorinated greenhouse gases (Regulation (EU) No 517/2014)

None of the known components is included in the list of fluorinated greenhouse gases (Regulation (EU) No 517/2014)

Ozone-depleting potential (ODP)

Not classified as dangerous for the ozone layer (Regulation (EC) No 1005/2009)

Groundwater

Groundwater pollutant

tetramethylene dimethacrylate

Groundwater

Groundwater pollutant

SECTION 13: Disposal considerations

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

13.1. Waste treatment methods

13.1.1 Provisions relating to waste

European Union

Hazardous waste according to Directive 2008/98/EC, as amended by Regulation (EU) No 1357/2014 and Regulation (EU) No 2017/997.

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

08 04 09* (wastes from MFSU of adhesives and sealants (including waterproofing products): waste adhesives and sealants containing organic solvents or other hazardous substances). Depending on branch of industry and production process, also other waste codes may be applicable.

13.1.2 Disposal methods

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Soudafix CA1400, Component A

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 animals. Do not discharge into drains or the environment.

13.1.3 Packaging/Container

European Union

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

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

SECTION 14: Transport information

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

14.1. UN number

Transport	Not subject
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14.2. UN proper shipping name

14.3. Transport hazard class(es)

Hazard identification number	
Class	
Classification code	

14.4. Packing group

Packing group	
Labels	

14.5. Environmental hazards

Environmentally hazardous substance mark	no
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14.6. Special precautions for user

Special provisions	
Limited quantities	

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Annex II of MARPOL 73/78	Not applicable, based on available data
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SECTION 15: Regulatory information

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

European legislation:

VOC content Directive 2010/75/EU

VOC content	Remark
2.8 %	

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
tetramethylene dimethacrylate vinyltoluene ethylene dimethacrylate hydroxypropyl methacrylate	Liquid substances or mixtures 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 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 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 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 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 dossier, in accordance with Article 69 of the present Regulation with a view to ban, if appropriate, grill lighter fluids and fuel for decorative lamps, labelled H304, intended for supply to the general public. 7. Natural or legal persons placing on the market for the first time lamp oils and grill

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Soudafix CA1400, Component A

		lighter fluids, labelled with H304, shall by 1 December 2011, and annually thereafter, provide data on alternatives to lamp oils and grill lighter fluids labelled H304 to the competent authority in the Member State concerned. Member States shall make those data available to the Commission.'
vinyltoluene	Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to that Regulation or not.	<p>1. Shall not be used, as substance or as mixtures in aerosol dispensers where these aerosol dispensers are intended for supply to the general public for entertainment and decorative purposes such as the following:</p> <ul style="list-style-type: none"> — metallic glitter intended mainly for decoration, — artificial snow and frost, — “whoopee” cushions, — silly string aerosols, — imitation excrement, — horns for parties, — decorative flakes and foams, — artificial cobwebs, — stink bombs. <p>2. Without prejudice to the application of other Community provisions on the classification, packaging and labelling of substances, suppliers shall ensure before the placing on the market that the packaging of aerosol dispensers referred to above is marked visibly, legibly and indelibly with: “For professional users only”.</p> <p>3. By way of derogation, paragraphs 1 and 2 shall not apply to the aerosol dispensers referred to Article 8 (1a) of Council Directive 75/ 324/EEC.</p> <p>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.</p>

National legislation Belgium

Soudafix CA1400, Component A

No data available

National legislation The Netherlands

Soudafix CA1400, Component A

Waterbeveiliging	A (3); Algemene Beoordelingsmethodiek (ABM)
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National legislation France

Soudafix CA1400, Component A

No data available

National legislation Germany

Soudafix CA1400, Component A

WGK	2; Classification water polluting according to external literature source
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tetramethylene dimethacrylate

TA-Luft	5.2.5; I; I
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vinyltoluene

TA-Luft	5.2.5; I; I
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ethylene dimethacrylate

TA-Luft	5.2.5
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hydroxypropyl methacrylate

TA-Luft	5.2.5
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2,2'-(4-methylphenyl)imino]bisethanol

TA-Luft	5.2.1
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1,1'-(p-tolylimino)dipropan-2-ol

TA-Luft	5.2.5; I; I
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1,4-naphthoquinone

TA-Luft	5.2.5; I; I
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National legislation United Kingdom

Soudafix CA1400, Component A

No data available

Other relevant data

Soudafix CA1400, Component A

No data available

vinyltoluene

TLV - Carcinogen	Vinyl toluene; A4
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IARC - classification	3; Vinyl toluene
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15.2. Chemical safety assessment

No chemical safety assessment has been conducted for the mixture.

SECTION 16: Other information

Full text of any H-statements referred to under heading 3:

H226 Flammable liquid and vapour.

H300 Fatal if swallowed.

H301 Toxic if swallowed.

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

Reason for revision: 2;3

Publication date: 2007-02-28

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H317 May cause an allergic skin reaction.
 H318 Causes serious eye damage.
 H319 Causes serious eye irritation.
 H330 Fatal if inhaled.
 H335 May cause respiratory irritation.
 H400 Very toxic to aquatic life.
 H410 Very toxic to aquatic life with long lasting effects.
 H411 Toxic to aquatic life with long lasting effects.
 H412 Harmful to aquatic life with long lasting effects.

(*) INTERNAL CLASSIFICATION BY BIG
 ADI Acceptable daily intake
 AOEL Acceptable operator exposure level
 CLP (EU-GHS) Classification, labelling and packaging (Globally Harmonised System in Europe)
 DMEL Derived Minimal Effect Level
 DNEL Derived No Effect Level
 EC50 Effect Concentration 50 %
 ErC50 EC50 in terms of reduction of growth rate
 LC50 Lethal Concentration 50 %
 LD50 Lethal Dose 50 %
 NOAEL No Observed Adverse Effect Level
 NOEC No Observed Effect Concentration
 OECD Organisation for Economic Co-operation and Development
 PBT Persistent, Bioaccumulative & Toxic
 PNEC Predicted No Effect Concentration
 STP Sludge Treatment Process
 vPvB very Persistent & very Bioaccumulative

M-factor

1,4-naphthoquinone	10	Acute	ECHA
1,4-naphthoquinone	1	Chronic	ECHA

Specific concentration limits CLP

ethylene dimethacrylate	C ≥ 10 %	STOT SE 3; H335	CLP Annex VI (ATP 0)
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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. Unless indicated otherwise word for word on the safety data sheet, the information does not apply to substances/preparations/mixtures in purer form, mixed with other substances or in processes. The safety data sheet offers no quality specification for the substances/preparations/mixtures in question. Compliance with the instructions in this safety data sheet does not release the user from the obligation to take all measures dictated by common sense, regulations and recommendations or which are necessary and/or useful based on the real applicable circumstances. BIG does not guarantee the accuracy or exhaustiveness of the information provided and cannot be held liable for any changes by third parties. This safety data sheet has been elaborated for use within the European Union, Switzerland, Iceland, Norway and Lichtenstein. It may be consulted in other countries, where local legislation with regards to the set-up of safety data sheets will take precedence. It is your obligation to verify and apply such local legislation. Use of this safety data sheet is subject to the licence and liability limiting conditions as stated in your BIG licence agreement or when this is failing the general conditions of BIG. All intellectual property rights to this sheet are the property of BIG and its distribution and reproduction are limited. Consult the mentioned agreement/conditions for details.

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Publication date: 2007-02-28

Date of revision: 2019-02-03

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