SAFETY DATA SHEET

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

ANAF PVC GLUES

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

1.1. Product identifier

Product name : ANAF PVC GLUES
Synonyms : 1010; 720; K71; K71RT; K71RW; K71T; K71W
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

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

Anaf Products nv
Brugstraat 29
B-8720 Oeselgem
☎ +32 9 388 55 88
carine.vanwynsberghe@anaf.be

1.4. Emergency telephone number

Poison Centre:
+32 70 245 245

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
Flam. Liq.	category 2	H225: Highly flammable liquid and vapour.
Carc.	category 2	H351: Suspected of causing cancer.
Eye Irrit.	category 2	H319: Causes serious eye irritation.
STOT SE	category 3	H335: May cause respiratory irritation.
Skin Sens.	category 1A	H317: May cause an allergic skin reaction.
Aquatic Chronic	category 3	H412: Harmful to aquatic life with long lasting effects.

2.2. Label elements

Contains: tetrahydrofuran; 2-(2H-benzotriazol-2-yl)-p-cresol; 2-ethylhexyl 10-ethyl-4,4-dimethyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate; 2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-methyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate.

Signal word Danger

H-statements

H225 Highly flammable liquid and vapour.
H351 Suspected of causing cancer.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H317 May cause an allergic skin reaction.
H412 Harmful to aquatic life with long lasting effects.

P-statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280 Wear protective gloves, protective clothing and eye protection/face protection.
P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308 + P313	IF exposed or concerned: Get medical advice/attention.

Supplemental information

Restricted to professional users.

2.3. Other hazards

Gas/vapour spreads at floor level: ignition hazard

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
cyclohexanone 01-2119453616-35	108-94-1 203-631-1	0%<C<43%	Flam. Liq. 3; H226 Acute Tox. 4; H332	(1)(2)(10)	Constituent
tetrahydrofuran	109-99-9 203-726-8	40%<C<63%	Flam. Liq. 2; H225 Carc. 2; H351 Eye Irrit. 2; H319 STOT SE 3; H335	(1)(2)(8)(10)	Constituent
silicon dioxide 01-2119379499-16	7631-86-9 231-545-4	C<5 %		(2)	Constituent
silica, pyrogenic 01-2119379499-16	112945-52-5	C<5 %		(2)	Constituent
polyvinylchloride	9002-86-2	C<15 %		(2)	Constituent
2-(2H-benzotriazol-2-yl)-p-cresol 01-2119583811-34	2440-22-4 219-470-5	C<0.45 %	Skin Sens. 1B; H317 Aquatic Chronic 1; H410	(1)(9)	Constituent
2-ethylhexyl 10-ethyl-4,4-dimethyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate 01-2119492591-32	57583-35-4 260-829-0	0.06% ≤C≤0.4%	Repr. 2; H361d STOT RE 1; H372 Acute Tox. 4; H312 Acute Tox. 4; H302 Skin Sens. 1A; H317 Aquatic Chronic 3; H412	(1)(2)(6)(10)	Constituent
2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-methyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate 01-2119527810-44	57583-34-3 260-828-1	0.06% ≤C≤0.4%	Muta. 2; H341 Repr. 2; H361d Acute Tox. 3; H311 Acute Tox. 4; H302 STOT RE 2; H373 STOT SE 3; H335 Skin Sens. 1; H317 Aquatic Chronic 3; H412	(1)(2)(6)(10)	Constituent

(1) For H-statements in full: see heading 16
(2) Substance with a Community workplace exposure limit
(6) Enumerated in Annex VI of Regulation (EC) No. 1272/2008 but the classification has been adapted after evaluation of available test data
(8) Specific concentration limits, see heading 16
(9) M-factor, see heading 16
(10) Subject to restrictions of Annex XVII of Regulation (EC) No. 1907/2006

SECTION 4: First aid measures

4.1. Description of first aid measures

General:

If you feel unwell, seek medical advice.

After inhalation:

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

After skin contact:

Wash immediately with lots of water. 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 and delayed

4.2.1 Acute symptoms

After inhalation:

Irritation of the respiratory tract. Irritation of the nasal mucous membranes.

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 available it will be listed below.

SECTION 5: Firefighting measures

5.1. Extinguishing media

5.1.1 Suitable extinguishing media:

Water spray. Polyvalent foam. BC powder. Carbon dioxide.

5.1.2 Unsuitable extinguishing media:

No unsuitable extinguishing media known.

5.2. Special hazards arising from the substance or mixture

On burning: release of toxic and corrosive gases/vapours (nitrous vapours, hydrogen chloride, carbon monoxide - carbon dioxide) and formation of metallic fumes.

5.3. Advice for firefighters

5.3.1 Instructions:

If exposed to fire cool the closed containers by spraying with water. Do not move the load if exposed to heat. Dilute toxic gases with water spray. Take account of toxic/corrosive precipitation water. Take account of toxic fire-fighting water. Use water moderately and if possible collect or contain it.

5.3.2 Special protective equipment for fire-fighters:

Gloves. Safety glasses. Head/neck protection. Protective clothing. Heat/fire exposure: compressed air/oxygen apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Stop engines and no smoking. No naked flames or sparks. Spark- and explosionproof appliances and lighting equipment.

6.1.1 Protective equipment for non-emergency personnel

See heading 8.2

6.1.2 Protective equipment for emergency responders

Gloves. Safety glasses. Head/neck protection. Protective clothing.

Suitable protective clothing

See heading 8.2

6.2. Environmental precautions

Contain released product. Dam up the liquid spill. Try to reduce evaporation. Prevent soil and water pollution. Prevent spreading in sewers.

6.3. Methods and material for containment and cleaning up

Take up liquid spill into absorbent material. Scoop absorbed substance 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. Insufficient ventilation: take precautions against electrostatic charges. 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:

Meet the legal requirements.

7.2.2 Keep away from:

Heat sources, ignition sources.

7.2.3 Suitable packaging material:

Aluminium.

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.

EU

Cyclohexanone	Time-weighted average exposure limit 8 h (Indicative occupational exposure limit value)	10 ppm
	Time-weighted average exposure limit 8 h (Indicative occupational exposure limit value)	40.8 mg/m³
	Short time value (Indicative occupational exposure limit value)	20 ppm
	Short time value (Indicative occupational exposure limit value)	81.6 mg/m³
Tetrahydrofuran	Time-weighted average exposure limit 8 h (Indicative occupational exposure limit value)	50 ppm
	Time-weighted average exposure limit 8 h (Indicative occupational exposure limit value)	150 mg/m³
	Short time value (Indicative occupational exposure limit value)	100 ppm
	Short time value (Indicative occupational exposure limit value)	300 mg/m³

Belgium

Chlorure de polyvinyle (fraction alvéolaire)	Time-weighted average exposure limit 8 h	1 mg/m³
Cyclohexanone	Time-weighted average exposure limit 8 h	10 ppm
	Time-weighted average exposure limit 8 h	40.8 mg/m³
	Short time value	20 ppm
	Short time value	81.6 mg/m³
Etain (composés organiques de) (en Sn)	Time-weighted average exposure limit 8 h	0.1 mg/m³
	Short time value	0.2 mg/m³
Silices amorphes : silice fondue SiO2 (poussières alvéolaires)	Time-weighted average exposure limit 8 h	0.1 mg/m³
Silices amorphes : terre de diatomées, non calcinées (fraction inhalable)	Time-weighted average exposure limit 8 h	10 mg/m³
Silices amorphes : fumées (fraction alvéolaire)	Time-weighted average exposure limit 8 h	2 mg/m³
Tétrahydrofurane	Time-weighted average exposure limit 8 h	50 ppm
	Time-weighted average exposure limit 8 h	150 mg/m³
	Short time value	100 ppm
	Short time value	300 mg/m³

The Netherlands

Cyclohexanon	Short time value (Public occupational exposure limit value)	12 ppm
	Short time value (Public occupational exposure limit value)	50 mg/m³
Respirabel PVC-stof	Time-weighted average exposure limit 8 h (Private occupational exposure limit value)	1 mg/m³
Tetrahydrofuraan	Time-weighted average exposure limit 8 h (Public occupational exposure limit value)	100 ppm
	Time-weighted average exposure limit 8 h (Public occupational exposure limit value)	300 mg/m³
	Short time value (Public occupational exposure limit value)	200 ppm
	Short time value (Public occupational exposure limit value)	600 mg/m³
Tinverbindingen (organisch)(als Sn)	Time-weighted average exposure limit 8 h (Private occupational exposure limit value)	0.1 mg/m³

Tinverbindingen (organisch)(als Sn)	Short time value (Private occupational exposure limit value)	0.2 mg/m³

France

Cyclohexanone	Time-weighted average exposure limit 8 h (VRC: Valeur réglementaire contraignante)	10 ppm
	Time-weighted average exposure limit 8 h (VRC: Valeur réglementaire contraignante)	40.8 mg/m³
	Short time value (VRC: Valeur réglementaire contraignante)	20 ppm
	Short time value (VRC: Valeur réglementaire contraignante)	81.6 mg/m³
Etain (composés organiques d'), en Sn	Time-weighted average exposure limit 8 h (VL: Valeur non réglementaire indicative)	0.1 mg/m³
	Short time value (VL: Valeur non réglementaire indicative)	0.2 mg/m³
Tétrahydrofuranne	Time-weighted average exposure limit 8 h (VRC: Valeur réglementaire contraignante)	50 ppm
	Time-weighted average exposure limit 8 h (VRC: Valeur réglementaire contraignante)	150 mg/m³
	Short time value (VRC: Valeur réglementaire contraignante)	100 ppm
	Short time value (VRC: Valeur réglementaire contraignante)	300 mg/m³

Germany

2-Ethylhexyl-10-ethyl-4,4-dimethyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoat	Time-weighted average exposure limit 8 h (TRGS 900)	0.01 ppm
	Time-weighted average exposure limit 8 h (TRGS 900)	0.05 mg/m³
Cyclohexanon	Time-weighted average exposure limit 8 h (TRGS 900)	20 ppm
	Time-weighted average exposure limit 8 h (TRGS 900)	80 mg/m³
Kieselsäuren, amorphe	Time-weighted average exposure limit 8 h (TRGS 900)	4 mg/m³
Mono- und Dimethylzinnverbindungen	Time-weighted average exposure limit 8 h (TRGS 900)	0.0018 ppm
	Time-weighted average exposure limit 8 h (TRGS 900)	0.009 mg/m³
Tetrahydrofuran	Time-weighted average exposure limit 8 h (TRGS 900)	50 ppm
	Time-weighted average exposure limit 8 h (TRGS 900)	150 mg/m³
Zinn(IV)-Verbindungen, anorganische	Time-weighted average exposure limit 8 h (TRGS 900)	2 mg/m³

UK

Cyclohexanone	Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005))	10 ppm
	Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005))	41 mg/m³
	Short time value (Workplace exposure limit (EH40/2005))	20 ppm
	Short time value (Workplace exposure limit (EH40/2005))	82 mg/m³
Polyvinyl chloride inhalable dust	Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005))	10 mg/m³
Polyvinyl chloride respirable dust	Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005))	4 mg/m³
Silica, amorphous inhalable dust	Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005))	6 mg/m³
Silica, amorphous respirable dust	Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005))	2.4 mg/m³
Tetrahydrofuran	Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005))	50 ppm
	Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005))	150 mg/m³
	Short time value (Workplace exposure limit (EH40/2005))	100 ppm
	Short time value (Workplace exposure limit (EH40/2005))	300 mg/m³
Tin compounds, organic, except Cyhexatin (ISO), (as Sn)	Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005))	0.1 mg/m³
	Short time value (Workplace exposure limit (EH40/2005))	0.2 mg/m³

USA (TLV-ACGIH)

Cyclohexanone	Time-weighted average exposure limit 8 h (TLV - Adopted Value)	20 ppm
	Short time value (TLV - Adopted Value)	50 ppm
Polyvinyl chloride (PVC)	Time-weighted average exposure limit 8 h (TLV - Adopted Value)	1 mg/m³ (R)
Tetrahydrofuran	Time-weighted average exposure limit 8 h (TLV - Adopted Value)	50 ppm
	Short time value (TLV - Adopted Value)	100 ppm
Tin organic compounds, as Sn	Time-weighted average exposure limit 8 h (TLV - Adopted Value)	0.1 mg/m³
	Short time value (TLV - Adopted Value)	0.2 mg/m³

(R): Respirable fraction

b) National biological limit values

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

Germany

Tetrahydrofuran (Tetrahydrofuran)	Urin: expositionsende, bzw. schichtende	2 mg/l	11/2012 Ständige Senatskommission zur Prüfung gesundheitsschädlicher Arbeitsstoffe der DFG

UK

Cyclohexanone (cyclohexanol)	Urine: post shift	2 mmol/mol creatinine	

USA (BEI-ACGIH)

Cyclohexanone (1,2-cyclohexanediol)	urine: end of shift at end of workweek	80 mg/L	
Cyclohexanone (Cyclohexanol)	urine: end of shift	8 mg/L	
Tetrahydrofuran (Tetrahydrofuran)	Urine: end of shift	2 mg/L	

8.1.2 Sampling methods

If applicable and available it will be listed below.

Cyclohexanone (Ketones I)	NIOSH	1300
Cyclohexanone (Ketones I)	NIOSH	2555
Cyclohexanone (Volatile Organic compounds)	NIOSH	2549
Cyclohexanone	OSHA	1
fumed (silica, amorphous)	NIOSH	7501
Silica, Amorphous (Respirable)	NIOSH	7501
Tetrahydrofuran	NIOSH	1609
Tetrahydrofuran	OSHA	7

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 DNEL/PNEC values

DNEL/DMEL - Workers

cyclohexanone

Effect level (DNEL/DMEL)	Type	Value	Remark
DNEL	Long-term systemic effects inhalation	40 mg/m³	
	Acute systemic effects inhalation	80 mg/m³	
	Long-term local effects inhalation	40 mg/m³	
	Acute local effects inhalation	80 mg/m³	
	Long-term systemic effects dermal	4 mg/kg bw/day	
	Acute systemic effects dermal	4 mg/kg bw/day	

tetrahydrofuran

Effect level (DNEL/DMEL)	Type	Value	Remark
DNEL	Acute systemic effects inhalation	300 mg/m³	
	Acute local effects inhalation	300 mg/m³	
	Long-term systemic effects dermal	25 mg/m³	
	Long-term systemic effects inhalation	150 mg/m³	
	Long-term local effects inhalation	150 mg/m³	

silicon dioxide

Effect level (DNEL/DMEL)	Type	Value	Remark
DNEL	Long-term systemic effects inhalation	4 mg/m³	

silica, pyrogenic

Effect level (DNEL/DMEL)	Type	Value	Remark
DNEL	Long-term systemic effects inhalation	4 mg/m³	

2-(2H-benzotriazol-2-yl)-p-cresol

Effect level (DNEL/DMEL)	Type	Value	Remark
DNEL	Long-term systemic effects inhalation	1 mg/m³	
	Acute systemic effects inhalation	1 mg/m³	
	Acute local effects inhalation	1 mg/m³	
	Long-term systemic effects dermal	2.5 mg/kg bw/day	

2-ethylhexyl 10-ethyl-4,4-dimethyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate

Effect level (DNEL/DMEL)	Type	Value	Remark
DNEL	Long-term systemic effects inhalation	0.01 mg/m³	
	Long-term systemic effects dermal	0.5 mg/kg bw/day	

2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-methyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate

Effect level (DNEL/DMEL)	Type	Value	Remark
DNEL	Long-term systemic effects inhalation	0.086 mg/m³	
	Acute systemic effects inhalation	0.11 mg/m³	
	Long-term systemic effects dermal	0.25 mg/kg bw/day	
	Acute systemic effects dermal	0.31 mg/kg bw/day	

DNEL/DMEL - General population

cyclohexanone

Effect level (DNEL/DMEL)	Type	Value	Remark
DNEL	Long-term systemic effects inhalation	10 mg/m³	
	Acute systemic effects inhalation	20 mg/m³	
	Long-term local effects inhalation	20 mg/m³	
	Acute local effects inhalation	40 mg/m³	
	Long-term systemic effects dermal	1 mg/kg bw/day	
	Acute systemic effects dermal	1 mg/kg bw/day	
	Long-term systemic effects oral	1.5 mg/kg bw/day	
	Acute systemic effects oral	1.5 mg/kg bw/day	

tetrahydrofuran

Effect level (DNEL/DMEL)	Type	Value	Remark
DNEL	Acute systemic effects inhalation	150 mg/m³	
	Acute local effects inhalation	150 mg/m³	
	Long-term systemic effects dermal	15 mg/m³	
	Long-term systemic effects inhalation	62 mg/m³	
	Long-term systemic effects oral	15 mg/m³	
	Long-term local effects inhalation	75 mg/m³	

2-(2H-benzotriazol-2-yl)-p-cresol

Effect level (DNEL/DMEL)	Type	Value	Remark
DNEL	Long-term systemic effects dermal	1.2 mg/kg bw/day	
	Long-term systemic effects oral	1.2 mg/kg bw/day	

2-ethylhexyl 10-ethyl-4,4-dimethyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate

Effect level (DNEL/DMEL)	Type	Value	Remark
DNEL	Long-term systemic effects oral	0.25 µg/kg bw/day	

2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-methyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate

Effect level (DNEL/DMEL)	Type	Value	Remark
DNEL	Long-term systemic effects oral	0.003 mg/kg bw/day	
	Acute systemic effects oral	0.015 mg/kg bw/day	

PNEC

cyclohexanone

Compartments	Value	Remark
Fresh water	0.0329 mg/l	
Marine water	0.00329 mg/l	
Aqua (intermittent releases)	0.329 mg/l	
STP	10 mg/l	
Fresh water sediment	0.168 mg/kg sediment dw	
Marine water sediment	0.0168 mg/kg sediment dw	
Soil	0.0143 mg/kg soil dw	

tetrahydrofuran

Compartments	Value	Remark
Fresh water	4.32 mg/l	
Marine water	0.432 mg/l	
Aqua (intermittent releases)	21.6 mg/l	
STP	4.6 mg/l	
Fresh water sediment	23.3 mg/kg sediment dw	
Marine water sediment	2.33 mg/kg sediment dw	
Soil	2.13 mg/kg soil dw	
Oral	67 mg/kg food	

2-(2H-benzotriazol-2-yl)-p-cresol

Compartments	Value	Remark
Fresh water	< 0.01 mg/l	
Marine water	< 0.01 mg/l	
Aqua (intermittent releases)	1 mg/l	
STP	1 mg/l	
Fresh water sediment	0.136 mg/kg sediment dw	
Marine water sediment	0.014 mg/kg sediment dw	
Soil	0.027 mg/kg soil dw	

2-ethylhexyl 10-ethyl-4,4-dimethyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate

Compartments	Value	Remark
Fresh water	0.009 mg/l	
Marine water	0.001 mg/l	
Aqua (intermittent releases)	0.32 mg/l	
STP	100 mg/l	
Fresh water sediment	140 mg/kg sediment dw	
Marine water sediment	14 mg/kg sediment dw	
Soil	28 mg/kg soil dw	
Food	0.138 mg/kg food	

2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-methyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate

Compartments	Value	Remark
Fresh water	0.003 mg/l	
Marine water	< 0.01 mg/l	
Aqua (intermittent releases)	0.018 mg/l	
STP	100 mg/l	
Fresh water sediment	76800 mg/kg sediment dw	
Marine water sediment	7860 mg/kg sediment dw	
Soil	15401 mg/kg soil dw	
Oral	2178 mg/kg food	

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. Insufficient ventilation: take precautions against electrostatic charges. Insufficient ventilation: use spark-/explosionproof appliances and lighting system. Measure the concentration in the air regularly. Work under local exhaust/ventilation.

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.

c) Eye protection:

Face shield.

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	Irritating/pungent odour
Odour threshold	No data available
Colour	White
Particle size	No data available
Explosion limits	No data available
Flammability	Highly flammable liquid and vapour.
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	-28 °C
Evaporation rate	No data available
Relative vapour density	> 1
Vapour pressure	No data available
Solubility	No data available
Relative density	No data available
Decomposition temperature	No data available
Auto-ignition temperature	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

No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

May be ignited by sparks. Gas/vapour spreads at floor level: ignition hazard.

10.2. Chemical stability

No data available.

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

Keep away from naked flames/heat. Insufficient ventilation: take precautions against electrostatic charges. Insufficient ventilation: use spark-/explosionproof appliances and lighting system.

10.5. Incompatible materials

No data available.

10.6. Hazardous decomposition products

On burning: release of toxic and corrosive gases/vapours (nitrous vapours, hydrogen chloride, carbon monoxide - carbon dioxide) and formation of metallic fumes.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

11.1.1 Test results

Acute toxicity

ANAF PVC GLUES

No (test)data on the mixture available

cyclohexanone

Route of exposure	Parameter	Method	Value	Exposure time	Species	Value determination	Remark
Oral	LD50	BASF test	2650 mg/kg bw		Rat	Experimental value	
Dermal						Data waiving	
Inhalation (vapours)	LC50	BASF test	> 6.2 mg/l air	4 h	Rat (male/female)	Experimental value	

tetrahydrofuran

Route of exposure	Parameter	Method	Value	Exposure time	Species	Value determination	Remark
Oral	LD50		2.3 ml/kg bw - 3.6 ml/kg bw		Rat (male/female)	Experimental value	
Dermal	LD50	OECD 402	> 2000 mg/kg bw	24 h	Rat (male/female)	Experimental value	
Inhalation	LC50	Other	> 14.7 mg/l air	6 h	Rat (male/female)	Experimental value	

silicon dioxide

Route of exposure	Parameter	Method	Value	Exposure time	Species	Value determination	Remark
Oral	LD50		> 10000 mg/kg		Rat		
Dermal	LD50		> 5000 mg/kg		Rabbit		

silica, pyrogenic

Route of exposure	Parameter	Method	Value	Exposure time	Species	Value determination	Remark
Oral	LD50		3160 mg/kg		Rat		
Dermal	LD50		> 5000 mg/kg		Rabbit		

polyvinylchloride

Route of exposure	Parameter	Method	Value	Exposure time	Species	Value determination	Remark
Oral	LD50		> 2000 mg/kg		Rat		
Dermal	LD50		> 2000 mg/kg		Rabbit		

2-ethylhexyl 10-ethyl-4,4-dimethyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate

Route of exposure	Parameter	Method	Value	Exposure time	Species	Value determination	Remark
Oral	LD50	OECD 401	1150 mg/kg bw		Rat (male/female)	Experimental value	
Dermal	LD50	Equivalent to OECD 402	> 1050 mg/kg bw	24 h	Rabbit (male/female)	Experimental value	

2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-methyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate

Route of exposure	Parameter	Method	Value	Exposure time	Species	Value determination	Remark
Oral	LD50	OECD 401	880 mg/kg bw		Rat (male/female)	Experimental value	
Dermal	LD50		1000 mg/kg bw	24 h	Rabbit (female)	Experimental value	
Dermal	LD50		2150 mg/kg bw	24 h	Rabbit (male)	Experimental value	

Judgement is based on the relevant ingredients

Conclusion

Not classified for acute toxicity

Corrosion/irritation

ANAF PVC GLUES

No (test)data on the mixture available

cyclohexanone

Route of exposure	Result	Method	Exposure time	Time point	Species	Value determination	Remark
Eye	Highly irritating		3 minutes - 5 minutes		Isolated chicken eye	Experimental value	
Skin	Irritating	OECD 404	4 h	3 minutes; 1 hr	Rabbit	Experimental value	

tetrahydrofuran

Route of exposure	Result	Method	Exposure time	Time point	Species	Value determination	Remark
Eye	Serious eye damage	Other		24; 48; 72 hrs; 14 days	Rabbit	Experimental value	Single treatment
Eye	Irritating; category 2					Annex VI	
Skin	Not irritating	OECD 402	24 h		Rat	Experimental value	
Inhalation	Irritating; STOT SE cat.3					Annex VI	

2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-methyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate

Route of exposure	Result	Method	Exposure time	Time point	Species	Value determination	Remark
Inhalation	Irritating; STOT SE cat.3					Literature study	

Classification is based on the relevant ingredients

Conclusion

Causes serious eye irritation.

May cause respiratory irritation.

Specific target organ toxicity, single exposure: classified as irritant to respiratory organs

Not classified as irritating to the skin

Respiratory or skin sensitisation

ANAF PVC GLUES

No (test)data on the mixture available

cyclohexanone

Route of exposure	Result	Method	Exposure time	Observation time point	Species	Value determination	Remark
Intradermal	Limited positive test result	Guinea pig maximisation test		24 hours	Guinea pig	Experimental value	

tetrahydrofuran

Route of exposure	Result	Method	Exposure time	Observation time point	Species	Value determination	Remark
Skin	Not sensitizing	OECD 429			Mouse (female)	Experimental value	

2-(2H-benzotriazol-2-yl)-p-cresol

Route of exposure	Result	Method	Exposure time	Observation time point	Species	Value determination	Remark
Skin	Sensitizing	OECD 406		24; 48 hours	Guinea pig (male/female)	Experimental value	

2-ethylhexyl 10-ethyl-4,4-dimethyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate

Route of exposure	Result	Method	Exposure time	Observation time point	Species	Value determination	Remark
Skin	Sensitizing	Other		24 hours	Guinea pig (male/female)	Experimental value	Single treatment

2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-methyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate

Route of exposure	Result	Method	Exposure time	Observation time point	Species	Value determination	Remark
Dermal (on the ears)	Sensitizing	OECD 429			Mouse (female)	Experimental value	
Inhalation						Data waiving	

Classification is based on the relevant ingredients

Conclusion

May cause an allergic skin reaction.

Not classified as sensitizing for inhalation

Specific target organ toxicity

ANAF PVC GLUES

No (test)data on the mixture available

cyclohexanone

Route of exposure	Parameter	Method	Value	Organ	Effect	Exposure time	Species	Value determination
Oral (drinking water)	NOAEL	OECD 408	143 mg/kg bw/day		No effect	3 month(s)	Rat (male/female)	Experimental value

tetrahydrofuran

Route of exposure	Parameter	Method	Value	Organ	Effect	Exposure time	Species	Value determination
Oral (drinking water)	NOAEL	Equivalent to OECD 407	111.3 mg/kg bw/day		No effect	4 week(s)	Rat (female)	Experimental value
Inhalation (vapours)	NOAEC	Subchronic toxicity test	1800 ppm	General	No effect	14 weeks (6h/day, 5 days/week)	Rat (male/female)	Experimental value

2-ethylhexyl 10-ethyl-4,4-dimethyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate

Route of exposure	Parameter	Method	Value	Organ	Effect	Exposure time	Species	Value determination
Oral (diet)	NOAEL	OECD 408	15 ppm		No effect	13 weeks (daily)	Rat (male/female)	Experimental value
Oral (diet)	LOAEL	OECD 408	200 ppm	General	Histopathology	13 weeks (daily)	Rat (male/female)	Experimental value
Oral	LOAEL	OECD 408	21.84 mg/kg bw/day	General	Histopathology	13 weeks (daily)	Rat (male)	Calculated value

2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-methyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate

Route of exposure	Parameter	Method	Value	Organ	Effect	Exposure time	Species	Value determination
Oral (diet)	NOAEL	OECD 408	9.8 mg/kg bw/day	General	No effect	13 weeks (daily)	Rat (male/female)	
Dermal								Data waiving

Judgement is based on the relevant ingredients

Conclusion

Not classified for subchronic toxicity

Mutagenicity (in vitro)

ANAF PVC GLUES

No (test)data on the mixture available

cyclohexanone

Result	Method	Test substrate	Effect	Value determination
Negative with metabolic activation, negative without metabolic activation	OECD 476	Chinese hamster ovary (CHO)	No effect	Experimental value
Negative with metabolic activation, negative without metabolic activation	OECD 471	Bacteria (S.typhimurium)	No effect	Experimental value

tetrahydrofuran

Result	Method	Test substrate	Effect	Value determination
Negative	OECD 476	Chinese hamster ovary (CHO)	No effect	Experimental value

2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-methyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate

Result	Method	Test substrate	Effect	Value determination
Negative	Equivalent to OECD 471	Bacteria (S.typhimurium)		Experimental value

Mutagenicity (in vivo)

ANAF PVC GLUES

No (test)data on the mixture available

cyclohexanone

Result	Method	Exposure time	Test substrate	Organ	Value determination
Negative		5 days (7h/day)	Rat (male/female)		Experimental value

tetrahydrofuran

Result	Method	Exposure time	Test substrate	Organ	Value determination
Negative	Equivalent to OECD 474	14 weeks (6h/day, 5 days/week)	Mouse (male/female)	Blood	Experimental value

2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-methyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate

Result	Method	Exposure time	Test substrate	Organ	Value determination
Positive	OECD 474		Rat (male)	Bone marrow	Experimental value

Judgement is based on the relevant ingredients

Conclusion

Not classified for mutagenic or genotoxic toxicity

Carcinogenicity

ANAF PVC GLUES

No (test)data on the mixture available

cyclohexanone

Route of exposure	Parameter	Method	Value	Exposure time	Species	Effect	Organ	Value determination
Oral (drinking water)	LOAEL	Equivalent to OECD 453	13000 ppm	104 week(s)	Mouse (male/female)	Neoplastic effects		Experimental value

tetrahydrofuran

Route of exposure	Parameter	Method	Value	Exposure time	Species	Effect	Organ	Value determination
Inhalation (vapours)	NOAEC	Carcinogenic toxicity study	1800 ppm	105 weeks (6h/day, 5 days/week)	Rat (male/female)	No carcinogenic effect		Experimental value

Classification is based on the relevant ingredients

Conclusion

Suspected of causing cancer.

Reproductive toxicity

ANAF PVC GLUES

No (test)data on the mixture available

cyclohexanone

	Parameter	Method	Value	Exposure time	Species	Effect	Organ	Value determination
Developmental toxicity	NOAEL	OECD 414	500 mg/kg bw/day	13 day(s)	Rabbit	No effect		Experimental value
Maternal toxicity	NOAEL	OECD 414	250 mg/kg bw/day	13 day(s)	Rabbit	No effect		Experimental value
Effects on fertility	NOAEC	Equivalent to OECD 416	1000 ppm		Rat (male/female)	No effect		Experimental value

tetrahydrofuran

	Parameter	Method	Value	Exposure time	Species	Effect	Organ	Value determination
Developmental toxicity	NOAEL	Equivalent to OECD 414	1800 ppm	20 days (6h/day)	Rat	No effect		Experimental value
	NOAEC		2500 ppm	21 days (6h/day)	Rat	No effect		Experimental value
Maternal toxicity	NOAEL	Equivalent to OECD 414	1800 ppm	20 days (6h/day)	Rat	No effect		Experimental value
Effects on fertility	NOAEL (P/F1)	Equivalent to OECD 416	9000 ppm	70 days (continuous) - 98 days (continuous)	Rat (male/female)	No effect		Experimental value

2-ethylhexyl 10-ethyl-4,4-dimethyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate

	Parameter	Method	Value	Exposure time	Species	Effect	Organ	Value determination
Developmental toxicity	NOAEL	Equivalent to OECD 414	10 mg/kg bw/day	11 days (gestation, daily)	Rat (female)	No effect	Foetus	Read-across
Maternal toxicity	NOAEL	Equivalent to OECD 414	10 mg/kg bw/day	11 days (gestation, daily)	Rat	No effect		Read-across
Effects on fertility								Data waiving

2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-methyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate

	Parameter	Method	Value	Exposure time	Species	Effect	Organ	Value determination
Developmental toxicity	NOAEL	EPA TSCA testing guidelines	245 ppm	> 14 days (gestation, continuous)	Rat (female)		Foetus	Experimental value
Effects on fertility								Data waiving

Judgement is based on the relevant ingredients

Conclusion

Not classified for reprotoxic or developmental toxicity

Toxicity other effects

ANAF PVC GLUES

No (test)data on the mixture available

Chronic effects from short and long-term exposure

ANAF PVC GLUES

Skin rash/inflammation.

SECTION 12: Ecological information

12.1. Toxicity

ANAF PVC GLUES

No (test)data on the mixture available

cyclohexanone

	Parameter	Method	Value	Duration	Species	Test design	Fresh/salt water	Value determination
Acute toxicity fishes	LC50	US EPA	527 mg/l - 732 mg/l	96 h	Pimephales promelas	Flow-through system	Fresh water	Experimental value
Acute toxicity invertebrates	EC50	OECD 202	> 100 mg/l	48 h	Daphnia magna	Static system	Fresh water	Read-across; GLP
Toxicity algae and other aquatic plants	ErC50	Other	32.9 mg/l	72 h	Chlamydomonas reinhardtii	Static system	Fresh water	Experimental value
Toxicity aquatic micro-organisms	EC50	OECD 209	> 1000 mg/l	30 minutes	Activated sludge	Static system	Fresh water	Experimental value

tetrahydrofuran

	Parameter	Method	Value	Duration	Species	Test design	Fresh/salt water	Value determination
Acute toxicity fishes	LC50	Equivalent to OECD 203	2160 mg/l	96 h	Pimephales promelas	Flow-through system	Fresh water	Experimental value; Lethal
Acute toxicity invertebrates	LC50	Equivalent to OECD 202	3485 ppm	48 h	Daphnia magna	Static system	Fresh water	Experimental value; Nominal concentration
Toxicity algae and other aquatic plants	EC0	Other	3700 mg/l	8 day(s)	Scenedesmus quadricauda	Static system	Fresh water	Experimental value; Growth rate
Long-term toxicity fish	NOEC	Other	216 mg/l	33 day(s)	Pimephales promelas	Flow-through system	Fresh water	Experimental value
Toxicity aquatic micro-organisms	EC0		580 mg/l	168 h	Pseudomonas putida			Literature study
	IC50	Equivalent to OECD 209	460 mg/l	3 h	Activated sludge	Static system	Fresh water	Experimental value; Nominal concentration

silicon dioxide

	Parameter	Method	Value	Duration	Species	Test design	Fresh/salt water	Value determination
Acute toxicity fishes	LC50		> 10000 mg/l	96 h	Brachydanio rerio			
Acute toxicity invertebrates	EC50		> 10000 mg/l	24 h	Daphnia magna			
Toxicity algae and other aquatic plants	EC50		440 mg/l	72 h	Selenastrum capricornutum			Growth rate

polyvinylchloride

	Parameter	Method	Value	Duration	Species	Test design	Fresh/salt water	Value determination
Acute toxicity fishes	LC50		≥ 100 mg/l	96 h	Pisces			

2-(2H-benzotriazol-2-yl)-p-cresol

	Parameter	Method	Value	Duration	Species	Test design	Fresh/salt water	Value determination
Acute toxicity fishes	LC50	OECD 203	> 0.17 mg/l	96 h	Oncorhynchus mykiss	Semi-static system	Fresh water	Experimental value; Nominal concentration
Acute toxicity invertebrates	EC50	OECD 202	> 1000 mg/l	24 h	Daphnia magna	Static system	Fresh water	Experimental value; Nominal concentration
Toxicity algae and other aquatic plants	EC50	Other	> 100 mg/l	72 h	Desmodesmus subspicatus	Static system	Fresh water	Read-across; Biomass
Long-term toxicity aquatic invertebrates	NOEC	OECD 211	0.013 mg/l	21 day(s)	Daphnia magna	Semi-static system	Fresh water	Experimental value; Nominal concentration
Toxicity aquatic micro-organisms	EC20	OECD 209	> 100 mg/l	3 h	Activated sludge	Static system	Fresh water	Experimental value; Nominal concentration

2-ethylhexyl 10-ethyl-4,4-dimethyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate

	Parameter	Method	Value	Duration	Species	Test design	Fresh/salt water	Value determination
Acute toxicity fishes	LC50	OECD 203	> 1000 mg/l	96 h	Pimephales promelas	Static system	Fresh water	Experimental value; GLP
Acute toxicity invertebrates	EC50	OECD 202	32 mg/l	48 h	Daphnia magna	Static system	Fresh water	Experimental value; GLP
Toxicity algae and other aquatic plants	ErC50	OECD 201	270 mg/l	72 h	Pseudokirchneriella subcapitata	Static system	Fresh water	Experimental value; GLP
Long-term toxicity fish								Data waiving
Long-term toxicity aquatic invertebrates	NOEC	OECD 211	457 µg/l	21 day(s)	Daphnia magna	Semi-static system	Fresh water	Experimental value; GLP
Toxicity aquatic micro-organisms	EC50	OECD 209	> 1000 mg/l	3 h	Activated sludge		Fresh water	Experimental value; GLP

2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-methyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate

	Parameter	Method	Value	Duration	Species	Test design	Fresh/salt water	Value determination
Acute toxicity fishes	LC50	OECD 203	> 6 mg/l	96 h	Brachydanio rerio	Semi-static system	Fresh water	Experimental value; GLP
Acute toxicity invertebrates								Data waiving
Toxicity algae and other aquatic plants	ErC50	OECD 201	> 1.8 mg/l	72 h	Scenedesmus subspicatus		Fresh water	Experimental value; GLP
Long-term toxicity fish								Data waiving
Long-term toxicity aquatic invertebrates	NOEC	OECD 211	0.13 mg/l	21 day(s)	Daphnia magna	Semi-static system	Fresh water	Experimental value; GLP
Toxicity aquatic micro-organisms	EC50	OECD 209	> 1000 mg/l	3 h	Activated sludge		Fresh water	Experimental value; GLP

Classification is based on the relevant ingredients

Conclusion

Harmful to aquatic life with long lasting effects.

12.2. Persistence and degradability

cyclohexanone

Biodegradation water

Method	Value	Duration	Value determination
OECD 301C: Modified MITI Test (I)	87 %	14 day(s)	Experimental value

Phototransformation air (DT50 air)

Method	Value	Conc. OH-radicals	Value determination
	2.5 day(s)	500000 /cm³	Experimental value

tetrahydrofuran

Biodegradation water

Method	Value	Duration	Value determination
Equivalent or similar to OECD 301D	39 %; Oxygen consumption	28 day(s)	Experimental value

Half-life soil (t1/2 soil)

Method	Value	Primary degradation/mineralisation	Value determination
	5.7 day(s)		Literature study

2-(2H-benzotriazol-2-yl)-p-cresol

Biodegradation water

Method	Value	Duration	Value determination
OECD 301B: CO2 Evolution Test	0 %	28 day(s)	Experimental value

2-ethylhexyl 10-ethyl-4,4-dimethyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate

Biodegradation water

Method	Value	Duration	Value determination
OECD 301F: Manometric Respirometry Test	63 %; GLP	28 day(s)	Experimental value

2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-methyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate

Biodegradation water

Method	Value	Duration	Value determination
OECD 301F: Manometric Respirometry Test	90 % - 100 %; GLP	28 day(s)	Experimental value

Conclusion

Contains non readily biodegradable component(s)

12.3. Bioaccumulative potential

ANAF PVC GLUES

Log Kow

Method	Remark	Value	Temperature	Value determination
	Not applicable (mixture)			

cyclohexanone

BCF other aquatic organisms

Parameter	Method	Value	Duration	Species	Value determination
BCF		2.4			QSAR

Log Kow

Method	Remark	Value	Temperature	Value determination
OECD 107		0.86	25 °C	Experimental value

tetrahydrofuran

Log Kow

Method	Remark	Value	Temperature	Value determination
Equivalent to OECD 107		0.45	25 °C	Experimental value

silicon dioxide

Log Kow

Method	Remark	Value	Temperature	Value determination
	No data available			

silica, pyrogenic

Log Kow

Method	Remark	Value	Temperature	Value determination
	Not applicable			

polyvinylchloride

Log Kow

Method	Remark	Value	Temperature	Value determination
	No data available			

2-(2H-benzotriazol-2-yl)-p-cresol

BCF fishes

Parameter	Method	Value	Duration	Species	Value determination
BCF	OECD 305	548 - 895	70 day(s)	Cyprinus carpio	Read-across

Log Kow

Method	Remark	Value	Temperature	Value determination
OECD 107		4.2	25 °C	Experimental value

2-ethylhexyl 10-ethyl-4,4-dimethyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate

BCF fishes

Parameter	Method	Value	Duration	Species	Value determination
BCF		< 0.83			QSAR

Log Kow

Method	Remark	Value	Temperature	Value determination
	No data available			

2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-methyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate

BCF fishes

Parameter	Method	Value	Duration	Species	Value determination
BCF		< 0.86			QSAR

Log Kow

Method	Remark	Value	Temperature	Value determination
	No data available			

Conclusion

Contains bioaccumulative component(s)

12.4. Mobility in soil

cyclohexanone

(log) Koc

Parameter	Method	Value	Value determination
log Koc	SRC PCKOCWIN v1.66	1.18	Calculated value

Volatility (Henry's Law constant H)

Value	Method	Temperature	Remark	Value determination
1.21 Pa.m³/mol	EPI Suite	25 °C		Experimental value

Percent distribution

Method	Fraction air	Fraction biota	Fraction sediment	Fraction soil	Fraction water	Value determination
Mackay level I	43.6 %	0 %	0.03 %	0.03 %	56.4 %	Calculated value

tetrahydrofuran

(log) Koc

Parameter	Method	Value	Value determination
log Koc	Other	1.26 - 1.37	Experimental value

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

Does not contain component(s) that meet(s) the criteria of PBT and/or vPvB as listed in Annex XIII of Regulation (EC) No 1907/2006.

12.6. Other adverse effects

ANAF PVC GLUES

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)

tetrahydrofuran

Ground water

Ground water pollutant

2-(2H-benzotriazol-2-yl)-p-cresol

Ground water

Ground water 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

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

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

13.1.3 Packaging/Container

Waste material code packaging (Directive 2008/98/EC).
15 01 10* (packaging containing residues of or contaminated by dangerous substances).

SECTION 14: Transport information

Road (ADR)

14.1. UN number

UN number	1133

14.2. UN proper shipping name

Proper shipping name	Adhesives

14.3. Transport hazard class(es)

Hazard identification number	33
Class	3
Classification code	F1

14.4. Packing group

Packing group	II
Labels	3

14.5. Environmental hazards

Environmentally hazardous substance mark	no

14.6. Special precautions for user

Special provisions	640D
Limited quantities	Combination packagings: not more than 5 liters per inner packaging for liquids. A package shall not weigh more than 30 kg. (gross mass)

Rail (RID)

14.1. UN number

UN number	1133

14.2. UN proper shipping name

Proper shipping name	Adhesives

14.3. Transport hazard class(es)

Hazard identification number	33
Class	3
Classification code	F1

14.4. Packing group

Packing group	II
Labels	3

14.5. Environmental hazards

Environmentally hazardous substance mark	no

14.6. Special precautions for user

Special provisions	640D
Limited quantities	Combination packagings: not more than 5 liters per inner packaging for liquids. A package shall not weigh more than 30 kg. (gross mass)

Inland waterways (ADN)

14.1. UN number

UN number	1133

14.2. UN proper shipping name

Proper shipping name	Adhesives

14.3. Transport hazard class(es)

Class	3
Classification code	F1

14.4. Packing group

Packing group	II
Labels	3

14.5. Environmental hazards

Environmentally hazardous substance mark	no

14.6. Special precautions for user

Special provisions	640D
Limited quantities	Combination packagings: not more than 5 liters per inner packaging for liquids. A package shall not weigh more than 30 kg. (gross mass)

Sea (IMDG/IMSBC)

14.1. UN number

UN number	1133

14.2. UN proper shipping name

Proper shipping name	Adhesives

14.3. Transport hazard class(es)

Class	3

14.4. Packing group

Packing group	II
Labels	3

14.5. Environmental hazards

Marine pollutant	-
Environmentally hazardous substance mark	no

14.6. Special precautions for user

Special provisions	
Limited quantities	Combination packagings: not more than 5 liters per inner packaging for liquids. A package shall not weigh more than 30 kg. (gross mass)

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

Air (ICAO-TI/IATA-DGR)

14.1. UN number

UN number	1133

14.2. UN proper shipping name

Proper shipping name	Adhesives

14.3. Transport hazard class(es)

Class	3

14.4. Packing group

Packing group	II
Labels	3

14.5. Environmental hazards

Environmentally hazardous substance mark	no

14.6. Special precautions for user

Special provisions	A3
Passenger and cargo transport: limited quantities: maximum net quantity per packaging	1 L

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
< 80 %	

Indicative occupational exposure limit values (Directive 98/24/EC, 2000/39/EC and 2009/161/EU)

Product name	Skin resorption
Cyclohexanone	Skin
Tetrahydrofuran	Skin

European drinking water standards (Directive 98/83/EC)

polyvinylchloride

Parameter	Parametric value	Note	Reference
Vinyl chloride	0,5 µg/l		Listed in Annex I, Part B, of Directive 98/83/EC on the quality of water intended for human consumption.

REACH Annex XVII - Restriction

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

	Designation of the substance, of the group of substances or of the mixture	Conditions of restriction
· cyclohexanone · tetrahydrofuran · 2-ethylhexyl 10-ethyl-4,4-dimethyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate · 2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl) oxy]-2-oxoethyl]thio]-4-methyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate	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 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 dossier, in accordance with Article 69 of the present Regulation with a view to ban, if appropriate, grill lighter fluids and fuel for decorative lamps, labelled R65 or H304, intended for supply to the general public.7. Natural or legal persons placing on the market for the first time lamp oils and grill lighter fluids, labelled with R65 or H304, shall by 1 December 2011, and annually thereafter, provide data on alternatives to lamp oils and grill lighter fluids labelled R65 or H304 to the competent authority in the Member State concerned. Member States shall make those data available to the Commission.'
· 2-ethylhexyl 10-ethyl-4,4-dimethyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate · 2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl) oxy]-2-oxoethyl]thio]-4-methyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate	Organostannic compounds	1. Shall not be placed on the market, or used, as substances or in mixtures where the substance or mixture is acting as biocide in free association paint.2. Shall not be placed on the market, or used, as substances or in mixtures where the substance or mixture acts as biocide to prevent the fouling by micro-organisms, plants or animals of: (a) all craft irrespective of their length intended for use in marine, coastal, estuarine and inland waterways and lakes; (b) cages, floats, nets and any other appliances or equipment used for fish or shellfish farming; (c) any totally or partly submerged appliance or equipment.3. Shall not be placed on the market, or used, as substances or in mixtures where the substance or mixture is intended for use in the treatment of industrial waters.4. Tri-substituted organostannic compounds: a) Tri-substituted organostannic compounds such as tributyltin (TBT) compounds and triphenyltin (TPT) compounds shall not be used after 1 July 2010 in articles where the concentration in the article, or part thereof, is greater than the equivalent of 0,1 % by weight of tin. b) Articles not complying with point (a) shall not be placed on the market after 1 July 2010, except for articles that were already in use in the Community before that date.5. Dibutyltin (DBT) compounds: a) Dibutyltin (DBT) compounds shall not be used after 1 January 2012 in mixtures and articles for supply to the general public where the concentration in the mixture or the article, or part thereof, is greater than the equivalent of 0,1 % by weight of tin. b) Articles and mixtures not complying with point (a) shall not be placed on the market after 1 January 2012, except for articles that were already in use in the Community before that date. c) By way of derogation, points (a) and (b) shall not apply until 1 January 2015 to the following articles and mixtures for supply to the general public: — one-component and two-component room temperature vulcanisation sealants (RTV-1 and RTV-2 sealants) and adhesives, — paints and coatings containing DBT compounds as catalysts when applied on articles, — soft polyvinyl chloride (PVC) profiles whether by themselves or coextruded with hard PVC, — fabrics coated with PVC containing DBT compounds as stabilisers when intended for outdoor applications, — outdoor rainwater pipes, gutters and fittings, as well as covering material for roofing and façades, d) By way of derogation, points (a) and (b) shall not apply to materials and articles regulated under Regulation (EC) No 1935/2004.6. Dioctyltin (DOT) compound: (a) Dioctyltin (DOT) compounds shall not be used after 1 January 2012 in the following articles for supply to, or use by, the general public, where the concentration in the article, or part thereof, is greater than the equivalent of 0,1 % by weight of tin: — textile articles intended to come into contact with the skin, — gloves, — footwear or part of footwear intended to come into contact with the skin, — wall and floor coverings, — childcare articles, — female hygiene products, — nappies, — two-component room temperature vulcanisation moulding kits (RTV-2 moulding kits). (b) Articles not complying with point (a) shall not be placed on the market after 1 January 2012, except for articles that were already in use in the Community before that date.
· 2-ethylhexyl 10-ethyl-4,4-dimethyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate · 2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl) oxy]-2-oxoethyl]thio]-4-methyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate	Substances which appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 classified as carcinogen category 1A or 1B (Table 3.1) or carcinogen category 1 or 2 (Table 3.2) and listed as follows: - Carcinogen category 1A (Table 3.1)/carcinogen category 1 (Table 3.2) listed in Appendix 1 - Carcinogen category 1B (Table 3.1)/carcinogen category 2 (Table 3.2) listed in Appendix 2	Without prejudice to the other parts of this Annex the following shall apply to entries 28 to 30:1. Shall not be placed on the market, or used, — as substances, — as constituents of other substances, or, — in mixtures, for supply to the general public when the individual concentration in the substance or mixture is equal to or greater than: — either the relevant specific concentration limit specified in Part 3 of Annex VI to Regulation (EC) No 1272/2008, or, — the relevant concentration specified in Directive 1999/45/EC where no specific concentration limit is set out in Part 3 of Annex VI to Regulation (EC) No 1272/2008. Without prejudice to the implementation of other Community provisions relating to the classification, packaging and labelling of substances and mixtures, suppliers shall ensure before the placing on the market that the packaging of such substances and mixtures is marked visibly, legibly and indelibly as follows: “Restricted to professional users”.2. By way of derogation, paragraph 1 shall not apply to: (a) medicinal or veterinary products as defined by Directive 2001/82/EC and Directive 2001/83/EC; (b) cosmetic products as defined by Directive 76/768/EEC; (c) the following fuels and oil products: — motor fuels which are covered by Directive 98/70/EC, — mineral oil products intended for use as fuel in mobile or fixed combustion plants, — fuels sold in closed systems (e.g. liquid gas bottles); (d) artists’ paints covered by Directive 1999/45/EC; (e) the substances listed in Appendix 11, column 1, for the applications or uses listed in

		Appendix 11, column 2. Where a date is specified in column 2 of Appendix 11, the derogation shall apply until the said date.
· cyclohexanone · tetrahydrofuran	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.	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: — 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.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”.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.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 Belgium

ANAF PVC GLUES

No data available

cyclohexanone

Résorption peau	Cyclohexanone; D; La mention “D” signifie que la résorption de l’agent, via la peau, les muqueuses ou les yeux, constitue une partie importante de l’exposition totale. Cette résorption peut se faire tant par contact direct que par présence de l’agent dans l’air.

tetrahydrofuran

Résorption peau	Tétrahydrofurane; D; La mention “D” signifie que la résorption de l’agent, via la peau, les muqueuses ou les yeux, constitue une partie importante de l’exposition totale. Cette résorption peut se faire tant par contact direct que par présence de l’agent dans l’air.

2-ethylhexyl 10-ethyl-4,4-dimethyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate

Résorption peau	Etain (composés organiques de) (en Sn); D; La mention “D” signifie que la résorption de l’agent, via la peau, les muqueuses ou les yeux, constitue une partie importante de l’exposition totale. Cette résorption peut se faire tant par contact direct que par présence de l’agent dans l’air.

2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-methyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate

Résorption peau	Etain (composés organiques de) (en Sn); D; La mention “D” signifie que la résorption de l’agent, via la peau, les muqueuses ou les yeux, constitue une partie importante de l’exposition totale. Cette résorption peut se faire tant par contact direct que par présence de l’agent dans l’air.

National legislation The Netherlands

ANAF PVC GLUES

Waste identification (the Netherlands)	LWCA (the Netherlands): KGA category 04
Waterbezwaarlijkheid	B (4)

cyclohexanone

Huidopname (wettelijk)	Cyclohexanon; H

tetrahydrofuran

Huidopname (wettelijk)	Tetrahydrofuraan; H

2-ethylhexyl 10-ethyl-4,4-dimethyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate

SZW - List of reprotoxic substances (development)	Suspected of damaging the unborn child.

National legislation France

ANAF PVC GLUES

No data available

tetrahydrofuran

VME - Risque de pénétration percutanée	Tétrahydrofuranne; PP

National legislation Germany

ANAF PVC GLUES

WGK	1; Classification water polluting based on the components in compliance with Verwaltungsvorschrift wassergefährdender Stoffe (VwVwS) of 27 July 2005 (Anhang 4)

cyclohexanone

TA-Luft	5.2.5
TRGS900 - Risiko der Fruchtschädigung	Cyclohexanon; Y; Risiko der Fruchtschädigung braucht bei Einhaltung des Arbeitsplatzgrenzwertes und des biologischen Grenzwertes nicht befürchtet zu werden
Hautresorptive Stoffe	Cyclohexanon; H; Hautresorptiv

tetrahydrofuran

TA-Luft	5.2.5; I
TRGS900 - Risiko der Fruchtschädigung	Tetrahydrofuran; Y; Risiko der Fruchtschädigung braucht bei Einhaltung des Arbeitsplatzgrenzwertes und des biologischen Grenzwertes nicht befürchtet zu werden
Hautresorptive Stoffe	Tetrahydrofuran; H; Hautresorptiv

silicon dioxide

TRGS900 - Risiko der Fruchtschädigung	Kieselsäuren, amorphe; Y; Risiko der Fruchtschädigung braucht bei Einhaltung des Arbeitsplatzgrenzwertes und des biologischen Grenzwertes nicht befürchtet zu werden

silica, pyrogenic

TRGS900 - Risiko der Fruchtschädigung	Kieselsäuren, amorphe; Y; Risiko der Fruchtschädigung braucht bei Einhaltung des Arbeitsplatzgrenzwertes und des biologischen Grenzwertes nicht befürchtet zu werden

2-(2H-benzotriazol-2-yl)-p-cresol

TA-Luft	5.2.5; I

2-ethylhexyl 10-ethyl-4,4-dimethyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate

TRGS900 - Risiko der Fruchtschädigung	Mono- und Dimethylzinnverbindungen; Y; Risiko der Fruchtschädigung braucht bei Einhaltung des Arbeitsplatzgrenzwertes und des biologischen Grenzwertes nicht befürchtet zu werden
	2-Ethylhexyl-10-ethyl-4,4-dimethyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoat; Y; Risiko der Fruchtschädigung braucht bei Einhaltung des Arbeitsplatzgrenzwertes und des biologischen Grenzwertes nicht befürchtet zu werden

2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-methyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate

TRGS900 - Risiko der Fruchtschädigung	Mono- und Dimethylzinnverbindungen; Y; Risiko der Fruchtschädigung braucht bei Einhaltung des Arbeitsplatzgrenzwertes und des biologischen Grenzwertes nicht befürchtet zu werden

National legislation United Kingdom

ANAF PVC GLUES

No data available

cyclohexanone

Skin absorption	Cyclohexanone; Sk

tetrahydrofuran

Skin absorption	Tetrahydrofuran; Sk

2-ethylhexyl 10-ethyl-4,4-dimethyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate

Skin absorption	Tin compounds, organic, except Cyhexatin (ISO), (as Sn); Sk

2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-methyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate

Skin absorption	Tin compounds, organic, except Cyhexatin (ISO), (as Sn); Sk

Other relevant data

ANAF PVC GLUES

No data available

cyclohexanone

TLV - Carcinogen	Cyclohexanone; A3
Skin absorption	Cyclohexanone; Skin; Danger of cutaneous absorption
IARC - classification	3; Cyclohexanone

tetrahydrofuran

Skin absorption	Tetrahydrofuran; Skin; Danger of cutaneous absorption
TLV - Carcinogen	Tetrahydrofuran; A3

silicon dioxide

IARC - classification	3; Silica

silica, pyrogenic

IARC - classification	3; Silica

polyvinylchloride

IARC - classification	3; Vinyl chloride, polyvinyl chloride and vinyl chloride-vinyl acetate copolymers
TLV - Carcinogen	Polyvinyl chloride (PVC); A4

2-ethylhexyl 10-ethyl-4,4-dimethyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate

Skin absorption	Tin organic compounds, as Sn; Skin; Danger of cutaneous absorption
TLV - Carcinogen	Tin organic compounds, as Sn; A4

2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-methyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate

Skin absorption	Tin organic compounds, as Sn; Skin; Danger of cutaneous absorption
TLV - Carcinogen	Tin organic compounds, as Sn; A4

15.2. Chemical safety assessment

No chemical safety assessment is required.

SECTION 16: Other information

Full text of any H-statements referred to under headings 2 and 3:

H225 Highly flammable liquid and vapour.
H226 Flammable liquid and vapour.
H302 Harmful if swallowed.
H311 Toxic in contact with skin.
H312 Harmful in contact with skin.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.
H341 Suspected of causing genetic defects.
H351 Suspected of causing cancer.
H361d Suspected of damaging the unborn child.
H372 Causes damage to organs (immune system, nervous system) through prolonged or repeated exposure if swallowed.
H373 May cause damage to organs (central nervous system) through prolonged or repeated exposure if swallowed.
H410 Very toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.

(*) = INTERNAL CLASSIFICATION BY BIG

PBT-substances = persistent, bioaccumulative and toxic substances

CLP (EU-GHS) Classification, labelling and packaging (Globally Harmonised System in Europe)

M-factor

2-(2H-benzotriazol-2-yl)-p-cresol	1	Chronic	ECHA

Specific concentration limits CLP

tetrahydrofuran	C ≥ 25 %	STOT SE 3; H335	CLP Annex VI (ATP 3)
	C ≥ 25 %	Eye Irrit.2; H319	CLP Annex VI (ATP 3)