

### SAFETY DATA SHEET

Based upon Regulation (EC) No. 1907/2006, as amended by Regulation (EC) No. 453/2010

### Contact Adhesive 170TX gel

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

1.1 Product identifier:

Product name : Contact Adhesive 170TX gel 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

SOUDAL N.V. Everdongenlaan 18-20 B-2300 Turnhout **3** +32 14 42 42 31

+32 14 42 65 14 msds@soudal.com

#### Manufacturer of the product

SOUDAL N.V. Everdongenlaan 18-20 B-2300 Turnhout **3** +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:

#### 2.1.1 Classification according to Regulation EC No 1272/2008

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.
Eye Irrit.	categ <mark>ory 2</mark>	H319: Causes serious eye irritation.
Skin Irrit.	category 2	H315: Causes skin irritation.
STOT SE	categ <mark>ory 3</mark>	H336: May cause drowsiness or dizziness.
Aquatic Chronic	category 2	H411: Toxic to aquatic life with long lasting effects.

#### 2.1.2 Classification according to Directive 67/548/EEC-1999/45/EC

Classified as dangerous in accordance with the criteria of Directives 67/548/EEC and 1999/45/EC

F; R11 - Highly flammable.

Xi; R36/38 - Irritating to eyes and skin.

R67 - Vapours may cause drowsiness and dizziness.

N; R51-53 - Toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

#### 2.2 Label elements:

Labelling according to Regulation EC No 1272/2008 (CLP)







Contains: hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane.

Signal word

Created by: Brandweerinformatiecentrum voor gevaarlijke stoffen vzw (BIG) Technische Schoolstraat 43 A, B-2440 Geel

http://www.big.be

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Reason for revision: ATP6

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H-statements H225 Highly flammable liquid and vapour. H319 Causes serious eye irritation. H315 Causes skin irritation. H336 May cause drowsiness or dizziness. H411 Toxic 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.

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

P312 Call a POISON CENTER/doctor if you feel unwell.

P501 Dispose of contents/container in accordance with local/regional/national/international regulation.

#### Supplemental information

EUH208 Contains: colophony. May produce an allergic reaction.

- This product is not to be used under conditions of poor ventilation.
- This product is not to be used for carpet laying.

#### Labelling according to Directive 67/548/EEC-1999/45/EC (DSD/DPD)

#### Labels







ngerous for the

Highly flammable

ritant

R-phrases

36/38 Irritating to eyes and skin

51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

67 Vapours may cause drowsiness and dizziness

#### S-phrases

(02) (Keep out of the reach of children)

Do not breathe vapourAvoid contact with skin

(46) (If swallowed, seek medical advice immediately and show this container or label)
 61 Avoid release to the environment. Refer to special instructions/safety data sheets.

Contains: colophony. May produce an allergic reaction.

#### Additional recommendations

- This product is not to be used under conditions of poor ventilation.
- This product is not to be used for carpet laying.

#### 2.3 Other hazards:

#### CLP

May be ignited by sparks

Gas/vapour spreads at floor level: ignition hazard Caution! Substance is absorbed through the skin

#### DSD/DPD

May be ignited by sparks

Gas/vapour spreads at floor level: ignition hazard Caution! Substance is absorbed through the skin

May produce an allergic reaction

### SECTION 3: Composition/information on ingredients

#### 3.1 Substances:

Not applicable

#### 3.2 Mixtures:

Name REACH Registration No	CAS No EC No	Conc ((')	Classification according to DSD/DPD	Classification according to CLP	Note	Remark
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				1		1	1
acetone 01-2119471330-49		67-64-1 200-662-2	C<20 %	F; R11 Xi; R36 R66 R67	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336	(1)(2)(10)	Constituent
cyclohexane 01-2119463273-41		110-82-7 203-806-2	C<20 %	F; R11 Xn; R65 Xi; R38 R67 N; R50-53	Flam. Liq. 2; H225 Asp. Tox. 1; H304 Skin Irrit. 2; H315 STOT SE 3; H336 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	(1)(2)(10)	Constituent
ethyl acetate 01-2119475103-46		141-78-6 205-500-4	C<20 %	F; R11 Xi; R36 R66 R67	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336	(1)(2)(10)	Constituent
butanone 01-2119457290-43		78-93-3 201-159-0	C<20 %	F; R11 Xi; R36 R66 R67	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336	(1)(2)(10)	Constituent
zinc oxide 01-2119463881-32		1314-13-2 215-222-5	C<1 %	N; R50-53	Aquatic Acute 1; H400 Aquatic Chronic 1; H410	(1)(2)	Constituent
2,6-di-tert-butyl-p-cresol 01-2119555270-46		128-37-0 204-881-4	C<1 %	N; R50-53	Aquatic Acute 1; H400 Aquatic Chronic 1; H410	(1)(2)	Constituent
colophony 01-2119480418-32		8050-09-7 232-475-7	C<1 %	R43	Skin Sens. 1; H317	(1)(2)	Constituent
hydrocarbons, C6-C7, n-alkanes cyclics, < 5% n-hexane 01-2119475514-35	, isoalkanes,		C<25 %	F; R11 Xi; R38 R67 N; R51-53 Xn; R65	Flam. Liq. 2; H225 Asp. Tox. 1; H304 Skin Irrit. 2; H315 STOT SE 3; H336 Aquatic Chronic 2; H411	(1)(10)	Constituent
		98-54-4 202-679-0	C<1 %	Repr. Cat. 3; R62 Xi; R38 - 41 N; R51-53	Repr. 2; H361f Skin Irrit. 2; H315 Eye Dam. 1; H318 Aquatic Chronic 1; H410	(1)(2)	Constituent

<sup>(1)</sup> For R-phrases and H-statements in full: see heading 16

#### **SECTION 4: First aid measures**

#### 4.1 Description of first aid measures:

#### General:

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

#### After inhalation:

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

#### After skin contact:

Wash immediately with lots of water. Soap may be used. Do not apply (chemical) neutralizing agents. Take victim to a doctor if irritation persists.

#### After eye contact:

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

#### After ingestion:

Rinse mouth with water. Immediately after ingestion: give lots of water to drink. Do not give milk/oil to drink. Do not induce vomiting. Consult a doctor/medical service if you feel unwell.

#### 4.2 Most important symptoms and effects, both acute and delayed:

#### 4.2.1 Acute symptoms

#### After inhalation:

EXPOSURE TO HIGH CONCENTRATIONS: Feeling of weakness. Irritation of the respiratory tract. Nausea. Vomiting. Headache. Central nervous system depression. Dizziness. Narcosis. Excited/restless. Drunkenness. Disturbed motor response. Respiratory difficulties. Disturbances of consciousness.

#### After skin contact:

Tingling/irritation of the skin.

### After eye contact:

Irritation of the eye tissue.

#### After ingestion:

Dry/sore throat. Risk of a<mark>spiration pneumonia. Gastrointestinal</mark> complaints. Central nervous system depression. Symptoms similar to those listed under inhalation.

#### 4.2.2 Delayed symptoms

No effects known

#### 4.3 Indication of any immediate medical attention and special treatment needed:

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<sup>(2)</sup> Substance with a Community workplace exposure limit

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

If applicable and available it will be listed below.

### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media:

5.1.1 Suitable extinguishing media:

Polyvalent foam. BC powder. Carbon dioxide.

5.1.2 Unsuitable extinguishing media:

Solid water jet ineffective as extinguishing medium.

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

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

#### 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 environmentally hazardous firefighting water. Use water moderately and if possible collect or contain it.

5.3.2 Special protective equipment for fire-fighters:

Gloves. Face-shield. 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. Face-shield. Protective clothing.

Suitable protective clothing

See heading 8.2

#### 6.2 Environmental precautions:

Contain leaking substance. Dam up the liquid spill. Try to reduce evaporation. Prevent soil and water pollution. Prevent spreading in sewers. Use appropriate containment to avoid environmental contamination.

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

Take up liquid spill into a non combustible material e.g.: sand, earth, vermiculite. Scoop absorbed substance into closing containers. Carefully collect the spill/leftovers. 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: keep naked flames/sparks away. Insufficient ventilation: use spark-/explosionproof appliances and lighting system. Insufficient ventilation: take precautions against electrostatic charges. Gas/vapour heavier than air at 20°C. Observe strict hygiene. 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:

Store in a cool area. Ventilation at floor level. Fireproof storeroom. Keep only in the original container. Meet the legal requirements. Max. storage time: 1 year(s).

#### 7.2.2 Keep away from:

Heat sources, ignition sources.

#### 7.2.3 Suitable packaging material:

Tin

#### 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

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If limit values are applicable and available these will be listed below. The Netherlands 2,6-Di-tert-butyl-p-cresol (inhaleerbaar) Time-weighted average exposure limit 8 h (Private occupational 5 mg/m³ Time-weighted average exposure limit 8 h (Public occupational 2-Butanon 197 ppm exposure limit value) Time-weighted average exposure limit 8 h (Public occupational 590 mg/m<sup>3</sup> exposure limit value) Short time value (Public occupational exposure limit value) 300 ppm Short time value (Public occupational exposure limit value) 900 mg/m<sup>3</sup> Aceton Time-weighted average exposure limit 8 h (Public occupational 501 ppm exposure limit value) Time-weighted average exposure limit 8 h (Public occupational 1210 mg/m<sup>3</sup> exposure limit value) Short time value (Public occupational exposure limit value) 1002 ppm Short time value (Public occupational exposure limit value) 2420 mg/m<sup>3</sup> Time-weighted average exposure limit 8 h (Public occupational Cyclohexaan 200 ppm Time-weighted average exposure limit 8 h (Public occupational 700 mg/m<sup>3</sup> exposure limit value) Short time value (Public occupational exposure limit value) 400 ppm Short time value (Public occupational exposure limit value) 1400 mg/m³ Ethylacetaat Time-weighted average exposure limit 8 h (Private occupational 150 ppm exposure limit value) Time-weighted average exposure limit 8 h (Private occupational 550 mg/m<sup>3</sup> exposure limit value) Short time value (Private occupational exposure limit value) 300 ppm Short time value (Private occupational exposure limit value) 1100 mg/m³ Time-weighted average exposure limit 8 h (Private occupational p-tert.Butylfenol 0.08 ppm exposure limit value) Time-weighted average exposure limit 8 h (Private occupational 0.5 mg/m<sup>3</sup> exposure limit value) Pyrolyseproducten afkomstig van harskern soldeertin Time-weighted average exposure limit 8 h (Private occupational  $0.1 \, \text{mg/m}^3$ (alifatisch aldehyde bere<mark>kend als formaldehyde)</mark> exposure limit value) Zinkoxide (rook) Time-weighted average exposure limit 8 h (Private occupational 5 mg/m³ exposure limit value) 500 ppm Acetone Time-weighted average exposure limit 8 h (Indicative occupational exposure limit value) Time-weighted average exposure limit 8 h (Indicative occupational 1210 mg/m<sup>3</sup> exposure limit value) Butanone Time-weighted average exposure limit 8 h (Indicative occupational 200 ppm exposure limit value) Time-weighted average exposure limit 8 h (Indicative occupational 600 mg/m<sup>3</sup> exposure limit value) Short time value (Indicative occupational exposure limit value) 300 ppm Short time value (Indicative occupational exposure limit value) 900 mg/m<sup>3</sup> Cyclohexane Time-weighted average exposure limit 8 h (Indicative occupational 200 ppm Time-weighted average exposure limit 8 h (Indicative occupational 700 mg/m<sup>3</sup> exposure limit value) 2 mg/m³ 2,6-Di-tert-butyl-p-crésol (vapeur et aérosol) Time-weighted average exposure limit 8 h 2-Butanone 200 ppm Time-weighted average exposure limit 8 h 600 mg/m<sup>3</sup> Time-weighted average exposure limit 8 h Short time value 300 ppm 900 mg/m<sup>3</sup> Short time value Acétate d'éthyle Time-weighted average exposure limit 8 h 400 ppm 1461 mg/m<sup>3</sup> Time-weighted average exposure limit 8 h Acétone Time-weighted average exposure limit 8 h 500 ppm Time-weighted average exposure limit 8 h 1210 mg/m<sup>3</sup> 1000 ppm Short time value Short time value 2420 mg/m<sup>3</sup> Cyclohexane Time-weighted average exposure limit 8 h 100 ppm Reason for revision: ATP6 Publication date: 2007-05-09

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Cyclohexane	Time-weighted average exposure limit 8 h	350 mg/m <sup>3</sup>
Zinc (oxyde de) ( fumées)	Time-weighted average exposure limit 8 h	2 mg/m³
	Short time value	10 mg/m³
ISA (TIV ACCILI)		
JSA (TLV-ACGIH) Acetone	Time-weighted average exposure limit 8 h (TLV - Adopted Value)	500 ppm
actione	Short time value (TLV - Adopted Value)	750 ppm
Butylated hydroxytoluene (BHT)	Time-weighted average exposure limit 8 h (TLV - Adopted Value)	2 mg/m³ (IFV)
Cyclohexane	Time-weighted average exposure limit 8 h (TLV - Adopted Value)	100 ppm
Ethyl acetate	Time-weighted average exposure limit 8 h (TLV - Adopted Value)	400 ppm
Methyl ethyl ketone (MEK)		
vietnyi etnyi ketone (iviek)	Time-weighted average exposure limit 8 h (TLV - Adopted Value)	200 ppm
Proceedings	Short time value (TLV - Adopted Value)	300 ppm
linc oxide	Time-weighted average exposure limit 8 h (TLV - Adopted Value)  Short time value (TLV - Adopted Value)	2 mg/m³ (R) 10 mg/m³ (R)
IFV): Inhalable fraction and vapor R): Respirable fraction	profit time value (12v - Aubpteu value)	TO Mg/M (K)
Germany		
2,6-Di-tert-butyl-p-kresol	Time-weighted average exposure limit 8 h (TRGS 900)	10 mg/m³
1-tert-Butylphenol	Time-weighted average exposure limit 8 h (TRGS 900)	0.08 ppm
- 12.1 = 347.p. 13.13.	Time-weighted average exposure limit 8 h (TRGS 900)	0.5 mg/m <sup>3</sup>
Acatan		<u> </u>
Aceton	Time-weighted average exposure limit 8 h (TRGS 900)	500 ppm
lutanan	Time-weighted average exposure limit 8 h (TRGS 900)	1200 mg/m³
Butanon	Time-weighted average exposure limit 8 h (TRGS 900)	200 ppm
	Time-weighted average exposure limit 8 h (TRGS 900)	600 mg/m³
Cyclohexan	Time-weighted average exposure limit 8 h (TRGS 900)	200 ppm
	Time-weighted average exposure limit 8 h (TRGS 900)	700 mg/m <sup>3</sup>
Ethylacetat	Time-weighted average exposure limit 8 h (TRGS 900)	400 ppm
	Time-weighted average exposure limit 8 h (TRGS 900)	1500 mg/m <sup>3</sup>
France		
2,6-Di-tert-butyl-p-crésol	Time-weighted average exposure limit 8 h (VL: Valeur non	10 mg/m³
	réglementaire indicative)	
Acétate d'éthyle	Time-weighted average exposure limit 8 h (VL: Valeur non réglementaire indicative)	400 ppm
	Time-weighted average exposure limit 8 h (VL: Valeur non réglementaire indicative)	1400 mg/m <sup>3</sup>
Acétone	Time-weighted average exposure limit 8 h (VRC: Valeur réglementaire	500 ppm
	contraignante) Time-weighted average exposure limit 8 h (VRC: Valeur réglementaire	1210 mg/m³
	contraignante)	1000 nnm
	Short time value (VRC: Valeur réglementaire contraignante)	1000 ppm
	Short time value (VRC: Valeur réglementaire contraignante)	2420 mg/m³
Colophane (produits de décomposition des baguettes de oudure, exprimés en aldéhyde formique)	Time-weighted average exposure limit 8 h (VL: Valeur non réglementaire indicative)	0.1 mg/m <sup>3</sup>
Cyclohexane	Time-weighted average exposure limit 8 h (VRC: Valeur réglementaire contraignante)	200 ppm
	Time-weighted average exposure limit 8 h (VRC: Valeur réglementaire contraignante)	700 mg/m <sup>3</sup>
	Short time value (VL: Valeur non réglementaire indicative)	375 ppm
	Short time value (VL: Valeur non réglementaire indicative)	1300 mg/m <sup>3</sup>
Méthyléthylcétone	Time-weighted average exposure limit 8 h (VRC: Valeur réglementaire contraignante)	200 ppm
	Time-weighted average exposure limit 8 h (VRC: Valeur réglementaire contraignante)	600 mg/m <sup>3</sup>
	Short time value (VRC: Valeur réglementaire contraignante)	300 ppm
	Short time value (VRC: Valeur réglementaire contraignante)	900 mg/m <sup>3</sup>
inc (oxyde de, fumées)	Time-weighted average exposure limit 8 h (VL: Valeur non	5 mg/m³
Zinc (oxyde de, poussières)	réglementaire indicative) Time-weighted average exposure limit 8 h (VL: Valeur non	10 mg/m <sup>3</sup>
	réglementaire indicative)	±0 1116/111
JK		
2,6-Di-tert-butyl-p-cresol	Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005))	10 mg/m³
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Acetone		Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005))	500 ppm
		Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005))	1210 mg/m³
		Short time value (Workplace exposure limit (EH40/2005))	1500 ppm
		Short time value (Workplace exposure limit (EH40/2005))	3620 mg/m³
Butan-2-one (methyl eth		Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005))	200 ppm
		Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005))	600 mg/m <sup>3</sup>
		Short time value (Workplace exposure limit (EH40/2005))	300 ppm
		Short time value (Workplace exposure limit (EH40/2005))	899 mg/m³
Cyclohexane		Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005))	100 ppm
		Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005))	350 mg/m <sup>3</sup>
		Short time value (Workplace exposure limit (EH40/2005))	300 ppm
		Short time value (Workplace exposure limit (EH40/2005))	1050 mg/m³
Ethyl acetate		Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005))	200 ppm
		Short time value (Workplace exposure limit (EH40/2005))	400 ppm
Rosin-based solder flux f <mark>ume</mark>		Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005))	0.05 mg/m³
		Short time value (Workplace exposure limit (EH40/2005))	0.15 mg/m <sup>3</sup>
			•

#### b) National biological limit values

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

#### 8.1.2 Sampling methods

If applicable and available it will be listed below

If applicable and available it will be listed below.		
2,6-Di-tert-Butyl-p-Cresol (DBPC)	NIOSH	1(226)
2-Butanone (MEK) (Meth <mark>yl ethyl ketone)</mark>	NIOSH	2500
2-Butanone (Methyl ethy <mark>l ketone)</mark>	OSHA	84
2-Butanone (organic and inorganic gases by Extractive FTIR)	NIOSH	3800
2-Butanone (Volatile Org <mark>anic compounds)</mark>	NIOSH	2549
2-Butanone	OSHA	1004
2-Butanone	OSHA	13
Acetone (ketones 1)	NIOSH	1300
Acetone (ketones I)	NIOSH	2555
Acetone (organic and inorganic gases by Extractive FTIR)	NIOSH	3800
Acetone (Volatile Organic compounds)	NIOSH	2549
ACETONE and METHYL ETHYL KETONE in urine	NIOSH	8319
Acetone	OSHA	69
Cyclohexane (Hydrocarbons, BP36 to 126C)	NIOSH	1500
Cyclohexane	NIOSH	95-117
Cyclohexane	OSHA	7
Di-tert-butyl-p-cresol	OSHA	2108
Ethyl acetate (Volatile Or <mark>ganic compounds)</mark>	NIOSH	2549
Ethyl Acetate	NIOSH	1457
Ethyl Acetate	OSHA	7
MEK	NIOSH	8002
Methyl Ethyl Ketone (ket <mark>ones I)</mark>	NIOSH	2555
Methyl Ethyl Ketone	OSHA	16
Petroleum Distillate (Nap <mark>hthas)</mark>	NIOSH	1550
Petroleum Distillates fractions	OSHA	48
p-tert-Butylphenol	OSHA	2085
Zinc (Elements)	NIOSH	7300
Zinc Oxide	NIOSH	7030
Zinc Oxide	NIOSH	7502
Zinc Oxide	OSHA	ID 121

#### 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 - Workers** 

<u>acetone</u>

Effect level (DNEL/DMEL)	Туре	Value Remark	
DNEL	Acute local effects inhalation	2420 mg/m <sup>3</sup>	
	Long-term systemic effects dermal	186 mg/kg bw/day	
	Long-term systemic effects inhalation	1210 mg/m <sup>3</sup>	

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Effect level (DNEL/DMEL)	Туре	Value	Remark
DNEL	Long-term systemic effects inhalation	700 mg/m³	
	Acute systemic effects inhalation	700 mg/m³	
	Long-term local effects inhalation	700 mg/m³	
	Acute local effects inhalation	700 mg/m³	
	Long-term systemic effects dermal	2016 mg/kg bw/day	
hyl acetate			<u> </u>
Effect level (DNEL/DMEL)	Туре	Value	Remark
DNEL	Acute systemic effects inhalation	1468 mg/m³	
	Acute local effects inhalation	1468 mg/m³	
	Long-term systemic effects dermal	63 mg/kg bw/day	
	Long-term systemic effects inhalation	734 mg/m³	
	Long-term local effects inhalation	734 mg/m³	
tanone_			•
Effect level (DNEL/DMEL)	Туре	Value	Remark
ONEL	Long-term systemic effects inhalation	600 mg/m <sup>3</sup>	
	Long-term systemic effects dermal	1161 mg/kg bw/day	
ic oxide			·
Effect level (DNEL/DMEL)	Туре	Value	Remark
DNEL	Long-term systemic effects inhalation	5 mg/m³	
	Long-term systemic effects dermal	83 mg/kg bw/day	
6-di-tert-butyl-p-cresol			•
Effect level (DNEL/DMEL)	Туре	Value	Remark
DNEL	Long-term systemic effects dermal	0.5 mg/kg bw/day	
	Long-term systemic effects inhalation	3.5 mg/m³	
lophony		3.	
Effect level (DNEL/DMEL)	Туре	Value	Remark
DNEL	Long-term systemic effects inhalation	117 mg/m³	
	Long-term systemic effects dermal	17 mg/kg bw/day	
drocarbons, C6-C7, n-alkanes,	isoalkanes, cyclics, < 5% n-hexane	1 5 5 7	-
Effect level (DNEL/DMEL)	Туре	Value	Remark
DNEL	Long-term systemic effects inhalation	2035 mg/m³	
	Long-term systemic effects dermal	773 mg/kg bw/day	
#	pong termojotemic en este de mar	7.75	
Effect level (DNEL/DMEL)	Туре	Value	Remark
DNEL	Long-term systemic effects inhalation	0.5 mg/m³	
	Long-term systemic effects dermal	0.071 mg/kg bw/day	
	Long term systemic effects definal	0.071 1116/16 544/ 0.04	
NEL - General population			
NEL - General population			
etone	Туре	Value	Remark
etone Effect level (DNEL/DMEL)	Type	Value 62 mg/kg hw/day	Remark
etone Effect level (DNEL/DMEL)	Long-term systemic effects dermal	62 mg/kg bw/day	Remark
etone Effect level (DNEL/DMEL)	Long-term systemic effects dermal Long-term systemic effects inhalation	62 mg/kg bw/day 200 mg/m³	Remark
etone Effect level (DNEL/DMEL) DNEL	Long-term systemic effects dermal	62 mg/kg bw/day	Remark
etone Effect level (DNEL/DMEL) DNEL Clohexane	Long-term systemic effects dermal Long-term systemic effects inhalation Long-term systemic effects oral	62 mg/kg bw/day 200 mg/m³ 62 mg/kg bw/day	
etone  Effect level (DNEL/DMEL)  DNEL  clohexane  Effect level (DNEL/DMEL)	Long-term systemic effects dermal Long-term systemic effects inhalation Long-term systemic effects oral  Type	62 mg/kg bw/day 200 mg/m³ 62 mg/kg bw/day Value	Remark
etone  Effect level (DNEL/DMEL)  DNEL  clohexane  Effect level (DNEL/DMEL)	Long-term systemic effects dermal Long-term systemic effects inhalation Long-term systemic effects oral  Type Long-term systemic effects inhalation	62 mg/kg bw/day 200 mg/m³ 62 mg/kg bw/day Value 206 mg/m³	
etone  Effect level (DNEL/DMEL)  DNEL  clohexane  Effect level (DNEL/DMEL)	Long-term systemic effects dermal Long-term systemic effects inhalation Long-term systemic effects oral  Type Long-term systemic effects inhalation Acute systemic effects inhalation	62 mg/kg bw/day 200 mg/m³ 62 mg/kg bw/day  Value 206 mg/m³ 412 mg/m³	
etone  Effect level (DNEL/DMEL)  DNEL  clohexane  Effect level (DNEL/DMEL)	Long-term systemic effects dermal Long-term systemic effects inhalation Long-term systemic effects oral  Type Long-term systemic effects inhalation Acute systemic effects inhalation Long-term local effects inhalation	62 mg/kg bw/day 200 mg/m³ 62 mg/kg bw/day  Value 206 mg/m³ 412 mg/m³ 206 mg/m³	
etone  Effect level (DNEL/DMEL)  DNEL  clohexane  Effect level (DNEL/DMEL)	Long-term systemic effects dermal Long-term systemic effects inhalation Long-term systemic effects oral  Type Long-term systemic effects inhalation Acute systemic effects inhalation Long-term local effects inhalation Acute local effects inhalation	62 mg/kg bw/day 200 mg/m³ 62 mg/kg bw/day  Value 206 mg/m³ 412 mg/m³ 412 mg/m³ 412 mg/m³	
NEL - General population etone Effect level (DNEL/DMEL) DNEL  clohexane Effect level (DNEL/DMEL) DNEL	Long-term systemic effects dermal Long-term systemic effects inhalation Long-term systemic effects oral  Type Long-term systemic effects inhalation Acute systemic effects inhalation Long-term local effects inhalation Acute local effects inhalation Long-term systemic effects dermal	62 mg/kg bw/day 200 mg/m³ 62 mg/kg bw/day  Value 206 mg/m³ 412 mg/m³ 412 mg/m³ 1186 mg/kg bw/day	
etone Effect level (DNEL/DMEL) DNEL  clohexane Effect level (DNEL/DMEL) DNEL	Long-term systemic effects dermal Long-term systemic effects inhalation Long-term systemic effects oral  Type Long-term systemic effects inhalation Acute systemic effects inhalation Long-term local effects inhalation Acute local effects inhalation	62 mg/kg bw/day 200 mg/m³ 62 mg/kg bw/day  Value 206 mg/m³ 412 mg/m³ 412 mg/m³ 412 mg/m³	
etone  Effect level (DNEL/DMEL)  DNEL  clohexane  Effect level (DNEL/DMEL)  DNEL  hyl acetate	Long-term systemic effects dermal Long-term systemic effects inhalation Long-term systemic effects oral  Type Long-term systemic effects inhalation Acute systemic effects inhalation Long-term local effects inhalation Acute local effects inhalation Long-term systemic effects dermal Long-term systemic effects oral	62 mg/kg bw/day 200 mg/m³ 62 mg/kg bw/day  Value 206 mg/m³ 412 mg/m³ 206 mg/m³ 412 mg/m³ 1186 mg/kg bw/day 59.4 mg/kg bw/day	Remark
etone  Effect level (DNEL/DMEL)  DNEL  clohexane  Effect level (DNEL/DMEL)  DNEL  hyl acetate  Effect level (DNEL/DMEL)	Long-term systemic effects dermal Long-term systemic effects inhalation Long-term systemic effects oral  Type Long-term systemic effects inhalation Acute systemic effects inhalation Long-term local effects inhalation Acute local effects inhalation Long-term systemic effects dermal Long-term systemic effects oral	62 mg/kg bw/day 200 mg/m³ 62 mg/kg bw/day  Value 206 mg/m³ 412 mg/m³ 206 mg/m³ 412 mg/m³ 1186 mg/kg bw/day  59.4 mg/kg bw/day  Value	
etone  Effect level (DNEL/DMEL)  DNEL  clohexane  Effect level (DNEL/DMEL)  DNEL  hyl acetate  Effect level (DNEL/DMEL)	Long-term systemic effects dermal Long-term systemic effects inhalation Long-term systemic effects oral  Type Long-term systemic effects inhalation Acute systemic effects inhalation Long-term local effects inhalation Acute local effects inhalation Long-term systemic effects dermal Long-term systemic effects oral  Type Acute systemic effects inhalation	62 mg/kg bw/day 200 mg/m³ 62 mg/kg bw/day  Value 206 mg/m³ 412 mg/m³ 206 mg/m³ 412 mg/m³ 1186 mg/kg bw/day  59.4 mg/kg bw/day  Value 734 mg/m³	Remark
etone  Effect level (DNEL/DMEL)  DNEL  clohexane  Effect level (DNEL/DMEL)  DNEL  hyl acetate  Effect level (DNEL/DMEL)	Long-term systemic effects dermal Long-term systemic effects inhalation Long-term systemic effects oral  Type Long-term systemic effects inhalation Acute systemic effects inhalation Long-term local effects inhalation Acute local effects inhalation Long-term systemic effects dermal Long-term systemic effects oral  Type Acute systemic effects inhalation Acute local effects inhalation Acute local effects inhalation	62 mg/kg bw/day 200 mg/m³ 62 mg/kg bw/day  Value 206 mg/m³ 412 mg/m³ 206 mg/m³ 412 mg/m³ 1186 mg/kg bw/day  59.4 mg/kg bw/day  Value 734 mg/m³ 734 mg/m³	Remark
etone  Effect level (DNEL/DMEL)  DNEL  clohexane  Effect level (DNEL/DMEL)  DNEL  hyl acetate  Effect level (DNEL/DMEL)	Long-term systemic effects dermal Long-term systemic effects inhalation Long-term systemic effects oral  Type Long-term systemic effects inhalation Acute systemic effects inhalation Long-term local effects inhalation Acute local effects inhalation Long-term systemic effects dermal Long-term systemic effects oral  Type Acute systemic effects inhalation Acute local effects inhalation Long-term systemic effects dermal Long-term systemic effects inhalation Acute local effects inhalation Long-term systemic effects dermal	62 mg/kg bw/day 200 mg/m³ 62 mg/kg bw/day  Value 206 mg/m³ 412 mg/m³ 206 mg/m³ 412 mg/m³ 1186 mg/kg bw/day  59.4 mg/kg bw/day  Value 734 mg/m³ 734 mg/m³ 37 mg/kg bw/day	Remark
etone  Effect level (DNEL/DMEL)  DNEL  clohexane  Effect level (DNEL/DMEL)  DNEL  hyl acetate  Effect level (DNEL/DMEL)	Long-term systemic effects dermal Long-term systemic effects inhalation Long-term systemic effects oral  Type Long-term systemic effects inhalation Acute systemic effects inhalation Long-term local effects inhalation Acute local effects inhalation Long-term systemic effects dermal Long-term systemic effects oral  Type Acute systemic effects inhalation Acute local effects inhalation Long-term systemic effects dermal Long-term systemic effects inhalation Long-term systemic effects dermal Long-term systemic effects inhalation	62 mg/kg bw/day 200 mg/m³ 62 mg/kg bw/day  Value 206 mg/m³ 412 mg/m³ 206 mg/m³ 412 mg/m³ 1186 mg/kg bw/day  59.4 mg/kg bw/day  Value 734 mg/m³ 734 mg/m³ 37 mg/kg bw/day	Remark
etone  Effect level (DNEL/DMEL)  DNEL  clohexane  Effect level (DNEL/DMEL)	Long-term systemic effects dermal Long-term systemic effects inhalation Long-term systemic effects oral  Type Long-term systemic effects inhalation Acute systemic effects inhalation Long-term local effects inhalation Acute local effects inhalation Long-term systemic effects dermal Long-term systemic effects oral  Type Acute systemic effects inhalation Acute local effects inhalation Long-term systemic effects dermal Long-term systemic effects inhalation Long-term systemic effects inhalation Long-term systemic effects inhalation Long-term systemic effects inhalation Long-term systemic effects oral	62 mg/kg bw/day 200 mg/m³ 62 mg/kg bw/day  Value 206 mg/m³ 412 mg/m³ 206 mg/m³ 412 mg/m³ 1186 mg/kg bw/day  59.4 mg/kg bw/day  Value 734 mg/m³ 37 mg/kg bw/day 367 mg/m³ 4.5 mg/kg bw/day	Remark
etone  Effect level (DNEL/DMEL)  DNEL  clohexane  Effect level (DNEL/DMEL)  DNEL  hyl acetate  Effect level (DNEL/DMEL)  DNEL	Long-term systemic effects dermal Long-term systemic effects inhalation Long-term systemic effects oral  Type Long-term systemic effects inhalation Acute systemic effects inhalation Long-term local effects inhalation Acute local effects inhalation Long-term systemic effects dermal Long-term systemic effects oral  Type Acute systemic effects inhalation Acute local effects inhalation Long-term systemic effects dermal Long-term systemic effects inhalation Long-term systemic effects dermal Long-term systemic effects inhalation	62 mg/kg bw/day 200 mg/m³ 62 mg/kg bw/day  Value 206 mg/m³ 412 mg/m³ 206 mg/m³ 412 mg/m³ 1186 mg/kg bw/day  59.4 mg/kg bw/day  Value 734 mg/m³ 734 mg/m³ 37 mg/kg bw/day	Remark
etone  Effect level (DNEL/DMEL)  DNEL  clohexane  Effect level (DNEL/DMEL)  DNEL  hyl acetate  Effect level (DNEL/DMEL)  DNEL  byl acetate  effect level (DNEL/DMEL)  DNEL	Long-term systemic effects dermal Long-term systemic effects inhalation Long-term systemic effects oral  Type Long-term systemic effects inhalation Acute systemic effects inhalation Long-term local effects inhalation Acute local effects inhalation Long-term systemic effects dermal Long-term systemic effects oral  Type Acute systemic effects inhalation Acute local effects inhalation Long-term systemic effects dermal Long-term systemic effects inhalation Long-term systemic effects dermal Long-term systemic effects inhalation Long-term systemic effects inhalation Long-term systemic effects inhalation Long-term systemic effects inhalation	62 mg/kg bw/day 200 mg/m³ 62 mg/kg bw/day  Value 206 mg/m³ 412 mg/m³ 206 mg/m³ 412 mg/m³ 1186 mg/kg bw/day  59.4 mg/kg bw/day  Value 734 mg/m³ 37 mg/kg bw/day 367 mg/m³ 4.5 mg/kg bw/day 367 mg/m³	Remark
etone  Effect level (DNEL/DMEL)  DNEL  clohexane  Effect level (DNEL/DMEL)  DNEL  hyl acetate  Effect level (DNEL/DMEL)  DNEL  clohexane  hyl acetate  Effect level (DNEL/DMEL)  DNEL  clohexane  hyl acetate  Effect level (DNEL/DMEL)	Long-term systemic effects dermal Long-term systemic effects inhalation Long-term systemic effects oral  Type Long-term systemic effects inhalation Acute systemic effects inhalation Long-term local effects inhalation Acute local effects inhalation Long-term systemic effects dermal Long-term systemic effects oral  Type Acute systemic effects inhalation Acute local effects inhalation Long-term systemic effects dermal Long-term systemic effects inhalation Long-term local effects inhalation	62 mg/kg bw/day 200 mg/m³ 62 mg/kg bw/day  Value 206 mg/m³ 412 mg/m³ 206 mg/m³ 412 mg/m³ 1186 mg/kg bw/day  59.4 mg/kg bw/day  Value 734 mg/m³ 37 mg/kg bw/day 367 mg/m³ 4.5 mg/kg bw/day  Value	Remark
etone  Effect level (DNEL/DMEL)  DNEL  clohexane  Effect level (DNEL/DMEL)  DNEL  hyl acetate  Effect level (DNEL/DMEL)  DNEL  byl acetate  effect level (DNEL/DMEL)  DNEL	Long-term systemic effects dermal Long-term systemic effects inhalation Long-term systemic effects oral  Type  Long-term systemic effects inhalation Acute systemic effects inhalation Long-term local effects inhalation Acute local effects inhalation Long-term systemic effects dermal Long-term systemic effects oral  Type  Acute systemic effects inhalation Acute local effects inhalation Acute local effects inhalation Long-term systemic effects dermal Long-term systemic effects inhalation Long-term systemic effects inhalation Long-term systemic effects inhalation Long-term systemic effects inhalation  Type Long-term systemic effects inhalation	62 mg/kg bw/day 200 mg/m³ 62 mg/kg bw/day  Value 206 mg/m³ 412 mg/m³ 206 mg/m³ 412 mg/m³ 1186 mg/kg bw/day  Value 734 mg/m³ 37 mg/kg bw/day  Value 734 mg/m³ 37 mg/kg bw/day 367 mg/m³ 4.5 mg/kg bw/day  Value 106 mg/m³	Remark
etone  Effect level (DNEL/DMEL)  DNEL  clohexane  Effect level (DNEL/DMEL)  DNEL  hyl acetate  Effect level (DNEL/DMEL)  DNEL  clohexane  hyl acetate  Effect level (DNEL/DMEL)  DNEL  clohexane  hyl acetate  Effect level (DNEL/DMEL)	Long-term systemic effects dermal Long-term systemic effects inhalation Long-term systemic effects oral  Type Long-term systemic effects inhalation Acute systemic effects inhalation Long-term local effects inhalation Acute local effects inhalation Long-term systemic effects dermal Long-term systemic effects oral  Type Acute systemic effects inhalation Acute local effects inhalation Long-term systemic effects dermal Long-term systemic effects inhalation Long-term local effects inhalation	62 mg/kg bw/day 200 mg/m³ 62 mg/kg bw/day  Value 206 mg/m³ 412 mg/m³ 206 mg/m³ 412 mg/m³ 1186 mg/kg bw/day  59.4 mg/kg bw/day  Value 734 mg/m³ 37 mg/kg bw/day 367 mg/m³ 4.5 mg/kg bw/day  Value	Remark

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ffect level (DNEL/DMEL)	Туре	Value	Remark
DNEL	Long-term systemic effects inhalation	2.5 mg/m³	
	Long-term systemic effects dermal	83 mg/kg bw/day	
	Long-term systemic effects oral	0.83 mg/kg bw/day	
6-di-tert-butyl-p-cresol	-	h	b .
Effect level (DNEL/DMEL)	Туре	Value	Remark
DNEL	Long-term systemic effects dermal	0.25 mg/kg bw/day	
	Long-term systemic effects inhalation	0.86 mg/m³	
	Long-term systemic effects oral	0.25 mg/kg bw/day	
olophony			T
Effect level (DNEL/DMEL)	Туре	Value	Remark
DNEL	Long-term systemic effects inhalation	35 mg/m <sup>3</sup>	
	Long-term systemic effects dermal	10 mg/kg bw/day	
	Long-term systemic effects oral	10 mg/kg bw/day	
	isoalkanes, cyclics, < 5% n-hexane		
Effect level (DNEL/DMEL)	Туре	Value	Remark
DNEL	Long-term local effects inhalation	608 mg/m³	
	Long-term systemic effects dermal	699 mg/kg bw/day	
	Long-term systemic effects oral	699 mg/kg bw/day	
<u>##</u>			
Effect level (DNEL/DMEL)	Туре	Value	Remark
DNEL	Long-term systemic effects inhalation	0.09 mg/m³	
	Long-term systemic effects dermal	0.026 mg/kg bw/day	
	Long-term systemic effects oral	0.026 mg/kg bw/day	
NEC			
<u>cetone</u>			
Compartments	Value	Remark	
Fresh water	10.6 mg/l		
Marine water	1.06 mg/l		
Aqua (intermittent rele <mark>ases)</mark>	21 mg/l		
Fresh water sediment	30.4 mg/kg sediment dw		
Marine water sediment	3.04 mg/kg sediment dw		
Soil	29.5 mg/kg soil dw		
STP	100 mg/l		
<u>/clohexane</u>			
Compartments	Value	Remark	
Fresh water	0.207 mg/l		
Marine water	0.207 mg/l		
Aqua (intermittent releases)	0.207 mg/l		
STP	3.24 mg/l		
Fresh water sediment	3.627 mg/kg sediment dw		
Marine water sediment	3.627 mg/kg sediment dw		
Soil	2.99 mg/kg soil dw		
:hyl acetate			
Compartments	Value	Remark	
Fresh water	0.24 mg/l		
Marine water	0.024 mg/l		
Aqua (intermittent releases)	1.65 mg/l		
STP	650 mg/l		
Fresh water sediment	1.15 mg/kg sediment dw		
Marine water sediment	0.115 mg/kg sediment dw		
Soil	0.148 mg/kg soil dw		
Oral	0.2 g/kg food		
	U.Z g/kg IUUU		
utanone Compartments	Value	Domorte	
Compartments  Fresh water		Remark	
Fresh water	55.8 mg/l		
Marine water	55.8 mg/l		
Aqua (intermittent rele <mark>ases)</mark>	55.8 mg/l		
STP	709 mg/l	/	
Fresh water sediment	284.74 mg/kg sediment dw		
Marine water sediment	284.7 mg/kg sediment dw		
Soil	22.5 mg/kg soil dw		
Food	1000 mg/kg food		

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zinc oxide		
Compartments	Value	Remark
Fresh water	20.6 μg/l	
Marine water	6.1 μg/l	
STP	<mark>100 μg/l</mark>	
Fresh water sediment	117.8 mg/kg sediment dw	
Marine water sediment	56.5 mg/kg sediment dw	
Soil	35.6 mg/kg soil dw	
2,6-di-tert-butyl-p-cresol		

7		
Compartments	Value	Remark
Fresh water	<mark>0.199 μg</mark> /l	
Marine water	<mark>0.0199 μg/l</mark>	
Aqua (intermittent releases)	1.99 μg/l	
STP	0.17 mg/l	
Fresh water sediment	<mark>99.6 μg/</mark> kg sediment dw	
Marine water sediment	<mark>9.96 μg/</mark> kg sediment dw	
Soil	<mark>47.69 μg</mark> /kg soil dw	
Oral	8 33 mg/kg food	

colophony

Compartments	Value	Remark
Fresh water	0.0016 mg/l	
Marine water	0.00016 mg/l	
Aqua (intermittent rele <mark>ases)</mark>	0.016 mg/l	
STP	10 mg/l	
Fresh water sediment	0.007 mg/kg sediment dw	
Marine water sediment	0.0007 mg/kg sediment dw	
Soil	0.00045 mg/kg soil dw	

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Compartments	Value	Remark
Fresh water	0.01 mg/l	
Marine water	0.001 mg/l	
Aqua (intermittent releases)	0.048 mg/l	
STP	1.5 mg/l	
Fresh water sediment	0.27 mg/kg sediment dw	
Marine water sediment	0.027 mg/kg sediment dw	
Soil	0.25 mg/kg soil dw	
Food	46.67 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: keep naked flames/sparks away. Insufficient ventilation: use spark-/explosionproof appliances and lighting system. Insufficient ventilation: take precautions against electrostatic charges. Work under local exhaust/ventilation.

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

Observe strict hygiene. 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:

Protective goggles.

#### d) Skin protection:

Head/neck 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	Viscous
Odour	<mark>Solvent-like od</mark> our
Odour threshold	No data available
Colour	<u>Yellow</u>
Particle size	No data available
Explosion limits	No data available

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Flammability	Highly flammable liquid and vapour.
Log Kow	Not applicable (mixture)
Dynamic viscosity	2Pa.s ; 20°C
Kinematic viscosity	No data available
Melting point	No data available
Boiling point	No data available
Flash point	<21°C
Evaporation rate	No data available
Relative vapour density	>2
Vapour pressure	No data available
Solubility	No data available
Relative density	0.86
Decomposition temperature	No data available
Auto-ignition temperatu <mark>re</mark>	No data available
Explosive properties	No chemical group associated with explosive properties
Oxidising properties	No chemical group associated with oxidising properties
рН	No data available

#### 9.2 Other information:

Absolute density 860kg/m³

### SECTION 10: Stability and reactivity

#### 10.1 Reactivity:

May be ignited by sparks. Gas/vapour spreads at floor level: ignition hazard. No data available.

#### 10.2 Chemical stability:

Stable under normal conditions.

#### 10.3 Possibility of hazardous reactions:

No data available.

#### 10.4 Conditions to avoid:

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

#### 10.5 Incompatible materials:

No data available.

#### 10.6 Hazardous decomposition products:

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

#### SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects:

11.1.1 Test results

#### Acute toxicity

Contact Adhesive 170TX gel

No (test)data on the mixture available

<u>acetone</u>

Route of exposure	Parameter	Method	Value	Exposure time	-	Value determination	Remark
Oral	LD50	Equivalent to OECD 401	<mark>5800mg</mark> /kg		Rat (female)	Experimental value	
Dermal	LD50	Equivalent to OECD 402	20000mg/kg		Rabbit (male)	Experimental value	
Dermal	LD50		> 7426mg/kg bw		Rabbit (female)	Weight of evidence	
Inhalation (vapours)	LC50	Other	76mg/l	4 h	Rat (female)	Experimental value	
Inhalation (vapours)	LCL0	Other	16000ppm	4 h	Rat	Experimental value	

cyclohexane

Route of exposure	Parame	ter Method	Value	Exposure time		Value determination	Remark
Oral	LD50	Equivalent to OECD 401	> 5000mg/kg bw		Rat (male/female)	Experimental value	
Dermal	LD50	Equivalent to OECD 402	> 2000mg/kg bw		Rabbit (male/female)	Experimental value	
Inhalation (vapours)	LC50	Equivalent to OECD 403	> 32.88mg/l air	4 h	Rat (male/female)	Experimental value	
Inhalation (vapours)	LC50	Equivalent to OECD 403	> 19.07mg/l	4 h	Rat (male/female)	Experimental value	

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Route of exposure	Parameter	Method	Value	Exposure time	Species	Value determination	Remark
Oral	LD50	Equivalent to OECD 401	10200mg/kg bw		Rat (female)	Experimental value	
Dermal	LD50	24 hour cuff method	> 20000mg/kg bw	24 h	Rabbit (male)	Experimental value	
Inhalation	LC50		70.56mg/l	4 h	Rat		
Inhalation (vapours)	LC0	Equivalent to OECD	8000ppm	4 h	Rat	Experimental value	
, , ,		403				Ι΄.	
tanone							
Route of exposure	Parameter	Method	Value	Exposure time	Species	Value determination	Remark
Oral	LD50	Equivalent to OECD 423	<mark>2054mg</mark> /kg		Rat (male)	Read-across	
Oral	LD50	Equivalent to OECD 423	2328mg/kg		Rat (female)	Read-across	
Oral	LD50	Equivalent to OECD 423	2193mg/kg bw		Rat	Read-across	
Dermal	LD50	Equivalent to OECD 402	> 10ml/kg bw	24 h	Rabbit (male)	Experimental value	
Inhalation						Data waiving	
c oxide							
Route of exposure	Parameter	Method	Value	Exposure time	Species	Value determination	Remark
Oral	LD50	Equivalent to OECD 401	> 5000mg/kg		Rat (male/female)	Experimental value	
Dermal	LD50	OECD 402	> 2000mg/kg bw	24 h	Rat (male/female)	Experimental value	
Inhalation (dust)	LC50	Equivalent to OECD 403	> 5.7mg/l	4 h	Rat (male/female)	Experimental value	
i-di-tert-butyl-p-cresol							
	Parameter	Method	Value	Exposure time	Species	Value determination	Remark
Oral	LD50	OECD 401	> 6000mg/kg bw		Rat (male/female)	Experimental value	
Dermal	LD50	OECD 402	> 2000mg/kg bw	24 h	Rat (male/female)	Experimental value	
ophony							
Route of exposure	Parameter	Method	Value	Exposure time	Species	Value determination	Remark
Oral	LD50	Other	2800mg/kg bw		Rat (male/female)	Experimental value	
Dermal	LD50	OECD 402	> 2000mg/kg bw	24 h	Rat (male/female)	Experimental value	
Inhalation			_			Data waiving	
drocarbons, C6-C7, n-a	lkanes, isoal	kanes. cvclics. < 5% n-	hexane			<u> </u>	I
	Parameter	Method	Value	Exposure time	Species	Value determination	Remark
Oral	LD50	Other	> 5840mg/kg bw		Rat (male/female)	Read-across	
Dermal	LD50	Other	> 2800mg/kg bw	24 week(s)	Rat (male/female)	Similar product	
Inhalation (vapours)	LC50	Other	> 25.2mg/l	4 h	Rat (male/female)	Experimental value	
#					, , , , , , , ,		
Route of exposure	Parameter	Method	Value	Exposure time	Species	Value determination	Remark
Oral	LD50	OECD 401	> 2000mg/kg		Rat (male/female)	Experimental value	
Dermal	LD50	Equivalent to OECD 402	> 16000mg/kg bw	24 h	Rabbit (male/female)	Experimental value	
Inhalation (dust)	LC50	Equivalent to OECD 403	> 5.6mg/l	4 h	Rat (male/female)	Experimental value	
dgement is based on the clusion ot classified for acute to							1

#### Corrosion/irritation

Contact Adhesive 170TX gel

No (test)data on the mixture available

<u>acetone</u>

Route of exposure	Result	Method	Exposure time	Time point	-		Remark
						determination	
Eye	Irritating	OECD 405		24; 48; 72 hours	Rabbit	Weight of evidence	
Skin	Not irrit <mark>ating</mark>	Other	3 day(s)	24; 48; 72 hours	Guinea pig	Weight of evidence	
Inhalation	Slightly irritating	Human	20 minutes		Human	Literature	
		observation study					

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Route of exposure	Result	Method	Exposure time	Time point	Species	Value	Remark
·				Timo point	орозго	determination	
Eye	Slightly irritating	Equivalent to OECD 405		24 hours	Rabbit	Experimental value	
Skin	Not irritating	EU Method B.4	4 h	24; 48; 72 hours	Rabbit	Experimental value	
Skin	Not irrit <mark>ating</mark>	Equivalent to OECD 404		24; 72 hours	Rabbit	Experimental value	
Inhalation	Irritatin <mark>g</mark>					Literature study	
hyl acetate							
Route of exposure	Result	Method	Exposure time	Time point	Species	Value determination	Remark
Eye	Irritating; category 2					Annex VI	
	Not irrit <mark>ating</mark>	OECD 405		24; 48; 72 hours	Rabbit	Experimental value	
Skin	Slightly irritating	Equivalent to OECD 404	24 h	24; 48; 72 hours	Rabbit	Experimental value	
<u>itanone</u>							
Route of exposure	Result	Method	Exposure time	Time point	Species	Value determination	Remark
Eye	Irritating	Equivalent to OECD 405			Rabbit	Experimental value	Single exposur
Skin	Not irrit <mark>ating</mark>	OECD 404	4 h		Rabbit	Read-across	
nc oxide							
Route of exposure	Result	Method	Exposure time	Time point	Species	Value determination	Remark
Eye	Not irritating	OECD 405	24 h	24; 72 hours	Rabbit	Experimental value	
Skin	Not irrit <mark>ating</mark>	OECD 404	24 h	24 hours	Rabbit	Experimental value	
6-di-tert-butyl-p-cres	<u>sol</u>					١.	
Route of exposure	Result	Method	Exposure time	Time point	Species	Value determination	Remark
Eye	Not irritating	OECD 405		24; 72 hours	Rabbit	Experimental value	
Skin	Not irrit <mark>ating</mark>	OECD 404		24; 72 hours	Rabbit	Experimental value	
olophony							
Route of exposure	Result	Method	Exposure time	Time point	Species	Value determination	Remark
Eye	Not irritating	OECD 405		24; 48; 72 hours	Rabbit	Experimental value	Single treatme
	Not irritating	OECD 404	4 h	24; 48; 72 hours	Rabbit	Experimental value	
drocarbons, C6-C7, r		s, cyclics, < 5% n-l	<u>nexane</u>				
Route of exposure	Result	Method	Exposure time	Time point	Species	Value determination	Remark
	Not irrit <mark>ating</mark>	Other			Rabbit	Read-across	
Skin	Irritating	Equivalent to OECD 404	4 h	24; 48; 72 hours	Rabbit	Experimental value	
<u>##</u>							
Route of exposure		Method	Exposure time	· ·	Species	Value determination	Remark
Eye	Serious <mark>eye</mark> damage	Equivalent to OECD 405	1 seconds	1; 24; 48; 72 hours		Experimental value	Single treatme
Skin	Highly i <mark>rritating</mark>	OECD 404	4 h	1; 24; 48; 72 hours	Rabbit	Experimental value	
assification is based on aclusion auses skin irritation. auses serious eye irritot ot classified as irritati	tation.						
atory or skin sensitisa							
act Adhesive 170TX g o (test)data on the m							

#### Res

No (test)data on the mixture available

Route of exposure	Result	Method	Exposure time	Observation time	Species	Value determination	Remark
				point			
Skin	Not sens <mark>itizing</mark>	Guinea pig		48 hours	Hamster (female)	Experimental value	
		maximisation test					
Skin	Not sensitizing	Human observation			Human	Literature	

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Sin	Doute of our server								
thy acetate Route of exposure Result Method Exposure time point Sin Not sensitizing OECD 406 24 h 24, 48 hours Guinea pig Experimental value (Internal Proposure Experimental Value) Valuational Route of exposure Result Method Exposure time point Sin Not sensitizing OECD 406 24 h 24, 48 hours Guinea pig Experimental value (Internal Proposure Internal Internal Proposure Inte	koute of exposure	Result	Method	Exposi	ure time	Observation time point	Species	Value determination	Remark
Route of exposure Result   Method   Exposure time   Observation time   Species   Description   Description   Species   Description   Descr	Skin	Not sens <mark>itizin</mark> g	g EU Method	B.6 6 h		24; 48 hours		Experimental value	
Sin	thyl acetate		<u> </u>			T	L .		
Route of exposure Result	Route of exposure	Result	Method	Exposi	ure time		Species	Value determination	Remark
Route of exposure Result Method Exposure time point po	Skin	Not sens <mark>itizin</mark> g	OECD 406	24 h		24; 48 hours	. •	Experimental value	
Description	utanone					•			
Content of exposure   Result   Method   Exposure time   Observation time   Species   Content	Route of exposure	Result	Method	Exposi	ure time		Species	Value determination	Remark
Route of exposure Result Nethod Exposure time Observation time Species Value determination Remark onto Answering Observation time Species Value determination Remark onto Answering Observation (Guinea pig (female))  Skin Not sensitizing Human observation 2 days (continuous) 72 hours Human Experimental value (female)  Skin Not sensitizing Human observation 2 days (continuous) 72 hours Species (female)  Skin Not sensitizing Human observation (Female)  Skin Not sensitizing (Female)  Skin Not sensitizing (Female)  Route of exposure Result (Female)  Route of exposure Result (Female)  Skin Not sensitizing (Female)  Skin Not sensitizing (Female)  Route of exposure (Female)  Route of expo	Skin	Not sens <mark>itizin</mark> g	OECD 406			24; 48 hours		Experimental value	
Route of exposure Result Method Exposure time Observation time Species Ualue determination Remark joint Guinea pig Experimental value (female)	inc oxide						(remaie)		
Skin Not sensitizing Puman observation 2 days (continuous) 72 hours   Human   Experimental value		Result	Method	Exposi	ure time		Species	Value determination	Remark
Stin   Not sensitizing   Human observation   2 days (continuous)	Skin	Not sens <mark>itizin</mark> g	G OECD 406			point		Experimental value	
Route of exposure Result Method Exposure time point Human (Experimental value (Inale/female) Result Method Exposure time point (Inale/female) Result Method Exposure time point (Inale/female) Result Method Exposure time point (Inale/female) Result Method (Inale/female) Result Result Method (Inale/female) Result Result Method (Inale/female) Result Result Result (Inale/female) Result Result Result Result (Inale/female) Result Res	Ckin	Not consitizing	T Human obs	anuation 2 days	/continuous	N72 hours	, ,	Evnorimontal value	
Route of exposure Result Method Exposure time Observation time Species Value determination Remark point  Skin Not sensitizing Human observation Human observation  Route of exposure Result Method Exposure time Point Human (male/female)  Skin Not sensitizing Human observation  Route of exposure Result Method Exposure time Point Human (male/female)  Skin Not sensitizing Human observation  Route of exposure Result Method Exposure time Point Human (female)  Skin Not sensitizing Human observation  Route of exposure Result Method Exposure time Point Human (female)  Skin Not sensitizing Human observation  Route of exposure Result Method Exposure time Point  Skin Not sensitizing Guivalent to OECD Application (female)  Route of exposure Result Method Exposure time Point  Route of exposure Result Method Exposure time Point  Route of exposure Result Method Exposure time Point  Skin Not sensitizing Guivalent to OECD Application (female)  Application Not sensitizing OECD 406 Application (female)  Skin Not sensitizing for skin OECD Application (female)  Skin Not sensitizing OECD 406 Application (female)  Ski			g muman obse	ivation  2 days	(continuous	5)[72 Hours	пинан	Experimental value	
Skin Not sensitizing Guinea pig maximisation test (male/female) Skin Not sensitizing Human observation   Exposure time   Observation time   Exposure time   Observation test   Human   Experimental value   Exposure time   Observation time     Observation time   Observation time   Observation time   Observation time   Observation time   Observation   Observat			Method	Expos	ure time		Species	Value determination	Remark
Skin Not sensitizing Human observation   Human (male/female)   Exposure time   Observation time   Species   Value determination Remark   Doservation time   Species   Value determination Remark   Skin   Not sensitizing   Human observation   Human (male/female)   Read-across   Value determination Remark   Skin   Not sensitizing   Human observation   Human (female)   Read-across   Value determination Remark   Skin   Not sensitizing   Human observation   Human (female)   Read-across   Value determination Remark   Skin   Not sensitizing   Equivalent to OECD   24; 48 hours   Guinea pig   Read-across   Value determination Remark   Skin   Not sensitizing   Equivalent to OECD   24; 48 hours   Guinea pig   Read-across   Value determination Remark   Skin   Not sensitizing   OECD 406   48; 72 hours   Guinea pig (male)   Experimental value   Observation time   Species   Value determination Remark   Doservation time   Species   Value determination Remark   Skin   Not sensitizing   OECD 406   48; 72 hours   Guinea pig (male)   Experimental value   Otcassified as sensitizing for inhalation   Cit carsified as sensitizing for inhalation   OCCD 408   Organ   Effect   Exposure time   Species   Value   Doral   Not relevant   Species   Value   Sperimental value   Organ	Skin	Not sens <mark>itizin</mark> ę	Guinea pig					Experimental value	
Colophony   Colo			maximisatio				, ,		
Route of exposure Result Method Exposure time point Skin Not sensitizing Human observation Human (male/female) Experimental value (male/female) Read-across (male/female) Read-across (male/female) Read-across (male/female) Read-across (male/female) Read-across (male/female) Result Method Exposure time Doservation time point Skin Not sensitizing aguivalent to OECD Ad6 (male/female) Read-across (male/female)	Skin	Not sens <mark>itizing</mark>	g Human obse	ervation				Experimental value	
Route of exposure Result Method Exposure time point Skin Not sensitizing Human observation Human (male/female) Experimental value (male/female) Read-across (male/female) Read-across (male/female) Read-across (male/female) Read-across (male/female) Read-across (male/female) Result Method Exposure time Doservation time point Skin Not sensitizing aguivalent to OECD Ad6 (male/female) Read-across (male/female)	olophony								
Skin Not sensitizing Human observation Skin Not sensitizing Human observation Wdrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane Route of exposure Result Method Exposure time Observation time point Skin Not sensitizing Equivalent to OECD General Equivalent to OECD AGE (male/female)  ### Route of exposure Result Method Exposure time Observation time point Skin Not sensitizing Equivalent to OECD General Equivalent to OECD General Result Method Exposure time Observation time point  ### Route of exposure Result Method Exposure time Observation time point Skin Not sensitizing OECD 406 A8; 72 hours Guinea pig (male) Experimental value Judgement is based on the relevant ingredients not classified as sensitizing for skin lot classified as sensitizing for inhalation to carry the point of the po	Route of exposure	Result	Method	Exposi	ure time		Species	Value determination	Remark
Skin Not sensitizing Human observation Route of exposure Result Method Exposure time Doservation time Species Malue determination Remark point Skin Not sensitizing Equivalent to OECD 406 A8; 72 hours Guinea pig male/female)  Skin Not sensitizing DECD 406 A8; 72 hours Guinea pig (male) Experimental value determination Remark point Skin Not sensitizing OECD 406 A8; 72 hours Guinea pig (male) Experimental value determination Remark point Skin Not sensitizing OECD 406 A8; 72 hours Guinea pig (male) Experimental value determination Remark point Skin Not sensitizing OECD 406 A8; 72 hours Guinea pig (male) Experimental value determination Remark point Skin Not sensitizing for inhalation of classified as sensitizing for inhalation of classified as sensitizing for inhalation of classified as sensitizing for inhalation of Carget organ toxicity act Adhesive 170TX gel (test) data on the mixture available cetone Route of exposure Parameter Method Value Organ Effect Exposure time Species Value determination of Carget organ of Experimental value Not relevance of Experimental value of Experimental value Not relevance of Experimental value of Experimental value Not relevance of Experimental value of Experimental val	Skin	Not sens <mark>itizin</mark> ę	Human obse	ervation		Pemi		Experimental value	
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Route of exposure Result   Method   Exposure time   Observation time   Species   Value determination Remark   point   Skin   Not sensitizing   Equivalent to OECD   406   24; 48 hours   Guinea pig   (male/female)   Read-across   Method   Exposure time   Observation time   Species   Value determination Remark   Point   Skin   Not sensitizing   OECD 406   48; 72 hours   Guinea pig (male)   Experimental value   Adgement is based on the relevant ingredients   not classified as sensitizing for skin   lot classified as sensitizing for inhalation   Ct arget organ toxicity   Ct arget organ toxicity   Ct arget organ toxicity   OFCD 408   OF	Skin	Not sens <mark>itizing</mark>	Human obse	ervation			Human (female)	Read-across	
Skin	ydrocarbons, C6-C7,	n-alkane <mark>s, iso</mark> a	alkanes, cyclics,						
Route of exposure Result Method Exposure time Observation time point Species Value determination Remark point Sixin Not sensitizing OECD 406 48; 72 hours Guinea pig (male) Experimental value address in the relevant ingredients in the classified as sensitizing for skin tot classified as sensitizing for inhalation ct target organ toxicity  act Adhesive 170TX gel (test) data on the mixture available cetone Route of exposure Parameter Method OECD 408 OE	Route of exposure	Result	Method	Exposi	ure time		Species	Value determination	Remark
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Adgement is based on the relevant ingredients inclusion lot classified as sensitizing for skin lot classified as sensitizing for inhalation ic target organ toxicity  act Adhesive 170TX gel (test)data on the mixture available cetone  Route of exposure Parameter Method Value Organ Effect Exposure time Species determin Oral NOAEL Equivalent to OECD 408  Dermal NOAEC Other 19000ppm No effect 13 week(s) Mouse Experime value linhalation (vapours) Inhalation (vapours) Inhalation (vapours) Inhalation (vapours) Route of exposure Parameter Method Value Organ Effect Exposure time Species Value determin Central nervous neurotoxic system effects Interval and the species of the species	Claire	Niat assistint	OFCD 40C			•	Cuinan min (manla)	Companies a mara locales a	
Route of exposure   Parameter   Method   Value   Organ   Effect   Exposure time   Species   Value   determin	nclusion lot classified as sensi lot classified as sensi ic target organ toxici	itizing for skin itizing for inhali ity	J		i				
Route of exposure Parameter Method Value Organ Effect Exposure time Species Value determin  Oral NOAEL Equivalent to OECD 408  Dermal NOAEC Other 19000ppm No effect 8 week(s) Rat (male)  Inhalation (vapours)  Inhalation (vapours)  Inhalation (vapours)  Route of exposure Parameter Method Value Organ Effect Exposure time Species Value determin  Organ Effect Exposure time Species Value determin  No effect 8 week(s)  Rat (male) Literature (vapours)  For a superiment of the superi									
Oral NOAEL Equivalent to OECD 408 No effect 13 week(s) Mouse (male/female) value  Dermal NOAEC Other 19000ppm No effect 8 week(s) Rat (male) Literature (vapours)  Inhalation (vapours) Human observation study  Proceedings of the process of the pro	(test)data on the mi cetone	xture available	2						
Dermal  Dermal  Dermal  Not relevexpert  Inhalation (vapours)  Route of exposure Parameter  Method  Value  Organ  Effect  Exposure time  Species  Value determin  Inhalation  NOAEC  US EPA  7000ppm  No effect  14 weeks (6h/day, 5  Rat  Experime		e Parameter	Method	Value	Organ	Effect	Exposure time	Species	Value determinat
Dermal  Dermal  Dermal  Not relevexpert  Inhalation (vapours)  Inhalation (vapours)  Inhalation (vapours)  Inhalation (vapours)  Rat (male)  Literature (vapours)  Inhalation (vapours)  System  Dermal  No effect  Sweek(s)  Rat (male)  Literature (vapours)  Inconclus (vapours)  System  Parameter  Method  Value  Organ  Dermal  No effect  Sweek(s)  Rat (male)  Literature (vapours)  Inconclus (vapours)  Insufficient  System  Parameter  Method  Value  Organ  Dermal  No effect  Sweek(s)  Rat (male)  Literature (vapours)  Inconclus (vapours)  Insufficient  Species  Value (determin)  No effect  Inhalation  NOAEC  US EPA  7000ppm  No effect  14 weeks (6h/day, 5  Rat  Experime	Route of exposur								
Inhalation (vapours)   NOAEC   Other   19000ppm   No effect   8 week(s)   Rat (male)   Literature (vapours)   Literature (vapours)   Inhalation (vapours)   Human observation study   System   Effects   2 day(s)   Human Inconclus insufficient (vapours)   Human observation study   Inhalation   NOAEC   US EPA   To00ppm   No effect   14 weeks (6h/day, 5   Rat   Experimental Experime		NOAEL		20mg/l		No effect	13 week(s)		
(vapours) Inhalation (vapours)  Human observation study  Central nervous neurotoxic effects  2 day(s) Human insufficient i	Oral	NOAEL		20mg/l	П	No effect	13 week(s)		value
(vapours) observation study system effects insufficient i	Oral Dermal		OECD 408					(male/female)	Not relevan
Route of exposure Parameter Method Value Organ Effect Exposure time Species Value determin  Inhalation NOAEC US EPA 7000ppm No effect 14 weeks (6h/day, 5 Rat Experime	Oral  Dermal  Inhalation (vapours)		OECD 408 Other	19000ppm	Central ne	No effect	8 week(s)	(male/female)  Rat (male)	value Not relevan expert Literature
Inhalation NOAEC US EPA 7000ppm No effect 14 weeks (6h/day, 5 Rat Experime	Oral  Dermal  Inhalation (vapours) Inhalation		Other  Human observation	19000ppm		No effect	8 week(s)	(male/female)  Rat (male)	value Not relevan expert Literature Inconclusive
Inhalation NOAEC US EPA 7000ppm No effect 14 weeks (6h/day, 5 Rat Experime	Oral  Dermal  Inhalation (vapours) Inhalation (vapours)	NOAEC	OECD 408  Other  Human observation study	19000ppm 361ppm		No effect rvous neurotoxic effects	8 week(s)  2 day(s)	(male/female)  Rat (male)  Human	value  Not relevan expert  Literature  Inconclusive insufficient
	Oral  Dermal  Inhalation (vapours) Inhalation (vapours)	NOAEC	OECD 408  Other  Human observation study	19000ppm 361ppm	system	No effect rvous neurotoxic effects	8 week(s)  2 day(s)	(male/female)  Rat (male)  Human	value  Not relevan expert  Literature  Inconclusive insufficient  Value
	Oral  Dermal  Inhalation (vapours) Inhalation (vapours)  yclohexane  Route of exposure	NOAEC  Parameter	OECD 408  Other  Human observation study  Method	19000ppm 361ppm Value	system	No effect rvous neurotoxic effects  Effect	8 week(s)  2 day(s)  Exposure time  14 weeks (6h/da	Rat (male)  Human  Species  y, 5 Rat	value  Not relevan expert  Literature  Inconclusive insufficient  Value determinat  Experiment
a for revisions ATDC	Oral  Dermal  Inhalation (vapours) Inhalation (vapours)  yclohexane  Route of exposure	NOAEC  Parameter	OECD 408  Other  Human observation study  Method	19000ppm 361ppm Value	system	No effect rvous neurotoxic effects  Effect	8 week(s)  2 day(s)  Exposure time  14 weeks (6h/da	Rat (male)  Human  Species  y, 5 Rat	value  Not relevan expert  Literature  Inconclusive insufficient  Value determinat
n for revision: ATP6 Publication date: 2007-05-09  Date of revision: 2015-02-05	Oral  Dermal  Inhalation (vapours) Inhalation (vapours)  yclohexane  Route of exposure Inhalation (vapours)	NOAEC  Parameter	OECD 408  Other  Human observation study  Method	19000ppm 361ppm Value	system	No effect rvous neurotoxic effects  Effect No effect	8 week(s)  2 day(s)  Exposure time  14 weeks (6h/dadays/week)	(male/female)  Rat (male)  Human  Species  y, 5 Rat (male/female)	value  Not relevan expert  Literature  Inconclusive insufficient  Value determinat

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tube) bw/day weight food consumption   male/female  value	tube) bw/day mortality, body weight, food consumption Inhalation NOEC FA OTS 798.2450 350ppm General Systemic toxicity 13 weeks (6h/day, 5 Rat (male/female) value inhalation Inhalation NOEC FA OTS 798.2450 350ppm General Systemic toxicity 13 weeks (6h/day, 5 Rat (male/female) value Inhalation NOEC Route of exposure Parameter Method Value Organ Effect Exposure time Species Walue (male/female) Data wah inhalation NOEC Equivalent to 5041ppm No effect 13 weeks (6h/day, 5 Rat (male/female) value inhalation (vapours) NOEC Otto 413 STOT SE Cat.3 Central nervous Drowsiness, system dizziness with days/week) Method Value Organ Effect Exposure time Species Walue determino Oral (diet) NOEL OECD 413 3000ppm No effect 13 weeks (6h/day, 5 Rat (male/female) value inhalation (aerosol) NOAEL OECD 408 3000ppm No effect 13 weeks (6h/day, 5 Rat (male/female) No effect 14 weeks (6h/day, 5 Rat (male/female) No effect 14 weeks (6h/day, 5 Rat (male/female) No effect 15 Walue determin Oral (diet) NO AEL Subchronic No A
Inhalation   NOEC   SPA OTS   798,2450   STOT SE cat. 3   Soppm   Species   Systemic toxicity   13 weeks (shi/day, 5   Sat male/female)   Male   Annex VI   Annex V	Inhalation NOEC \$PA OTS 798.2450 \$50ppm General Systemic toxicity, flas weeks (6h/day, 5 days/week) (male/female) value inhalation
Inhalation   STOT SE cat.3   Central nervous Drowsiness, system dizziness   Annex Vi Jule of exposure   Parameter   Method   Value   Organ   Effect   Exposure time   Species   Value determine   Data wai Inhalation   NOAEC   Equivalent to OCCO 413   STOT SE cat.3   Central nervous Drowsiness, system   dizziness   Annex Vi Jule   OCCO 413   Annex Vi Jule   OCCO 408   OCCO 413   OCCO 413	Inhalation   STOT SE cat.3   Central nervous Drowsiness, yistem   dizziness
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Dermal   D	Dermal Inhalation NOAEC Equivalent to OECD 413 STOT SE cat.3 Central nervous Drowsiness, local powers of the power of the
Dermal   NOAEC   Equivalent to   SO41ppm   No effect   13 weeks (6h/day, 5   Rat   Experime   Value   Organ   Effect   Exposure time   Species   Value   Certain   Coal (diet)   NOAEL   DECD 413   1.5mg/m² air   No effect   Exposure time   Species   Value   Certain   Coal (diet)   NOAEL   DECD 413   1.5mg/m² air   No effect   Exposure time   Species   Value   Certain   Coal (diet)   NOAEL   DECD 413   1.5mg/m² air   No effect   Exposure time   Species   Value   Certain   Coal (diet)   NOAEL   DECD 413   1.5mg/m² air   No effect   13 weeks (daily)   Rat (male)   Experime   Value   Corgan   Certain   Coal (diet)   NOAEL   DECD 413   1.5mg/m² air   No effect   13 weeks (ch/day, 5   Rat (male)   Experime   Value   Corgan   Certain   Coal (diet)   NOAEL   DECD 413   1.5mg/m² air   No effect   Exposure time   Species   Value   Certain   Coal (diet)   NOAEL   DECD 413   1.5mg/m² air   No effect   Exposure time   Species   Value   Certain   Coal (diet)   NOAEL   DECD 413   1.5mg/m² air   No effect   Exposure time   Species   Value   Certain   Coal (diet)   NOAEL   DECD 413   DECD	Dermal   NOAEC   Equivalent to OECD 413   STOT SE cat.3   Central nervous Drowsiness, system   diays/week)   Species   Annex VI (vapours)   Inhalation   (vapours)   STOT SE cat.3   Central nervous Drowsiness, system   diays/week)   Annex VI (male/female)   Annex VI (male/gemale)   Annex VI (ma
Inhalation (vapours) Inhalation NOAEC (vapours) Inhalation (vapours) Inh	Inhalation (vapours) Inhalation Valee (vapours) Inhalation (vapours) Inh
Inhalation	Inhalation
Route of exposure Parameter Method Value Organ Effect Exposure time Species Value determine (male/female) Inhalation (aerosol) NOAEL DECD 413 1.5mg/m³ air No effect 13 weeks (6h/day, 5 Rat (male) Experime value (male/female) (	Route of exposure Parameter   Method   Value   Organ   Effect   Exposure time   Species   Value determin   Oral (diet)   NOEL   OECD 408   3000ppm   No effect   13 weeks (daily)   Rat (male/female)   Rat (m
Oral (diet) NOEL OECD 408 3000ppm No effect 13 weeks (daily) Rat (male/female) Inhalation (aerosol) NOAEL OECD 413 1.5mg/m³ air No effect 13 weeks (6h/day, 5 Rat (male) Experime value value of exposure Parameter Method Value Organ Effect Exposure time Species Value determine Oral (diet) NOAEL Subchronic toxicity test toxicity test Inhalation NOAEC Other 4200mg/m³ air No effect Exposure time Species Value determine Oral (diet) NOAEC Equivalent to 6646ppm (vapours) No effect 13 weeks (6h/day, 5 Rat (male) Experime value value of exposure Parameter Method Value Organ Effect Exposure time Species Value determine Oral (diet) NOAEC Equivalent to 6646ppm No effect 13 weeks (6h/day, 5 Rat (male) Experime value value value value of exposure Parameter Method Value Organ Effect Exposure time Species Value determine NoAEC Equivalent to 6646ppm No effect 13 weeks (6h/day, 5 Rat (male) Experime value (wapours) NoAEC Equivalent to OECD 413 No effect 13 weeks (6h/day, 5 Rat (male) Experime value (wapours) No AEC Other 14g/m³ Central nervous Behavioural disturbances (male/female) No Rat (wapours) No AEC Equivalent to OECD 413 No Period Rational No Rational No No Rational Read-acr (vapours) No AEC Equivalent to OECD 413 No Rational Read-acr (vapours) No AEC Equivalent to OECD 413 No Rational Read-acr (vapours) No AEC Equivalent to OECD 413 No Rational Read-acr (vapours) No AEC Equivalent to OECD 413 No Rational Read-acr (vapours) No AEC Equivalent to OECD 413 No Rational Read-acr (vapours) No AEC Equivalent to OECD 413 No Rational Read-acr (vapours) No AEC Equivalent to OECD 413 No Rational Read-acr (vapours) No AEC Equivalent to OECD 413 No Rational Read-acr (vapours) No AEC Equivalent to OECD 413 No Rational Read-acr (vapours) No AEC Equivalent to OECD 413 No Rational Read-acr (vapours) No A	Oral (diet) NOEL OECD 408 3000ppm No effect 13 weeks (daily) Rat (male/female) Read-acre (male/female)
Oral (diet)   NOEL   OECD 408   3000ppm   No effect   13 weeks (daily)   Rat (male/female)   Inhalation (aerosol) NOAEL   OECD 413   1.5mg/m³ air   No effect   13 weeks (6h/day, 5   Rat (male)   Experime value   Agays/week)   Species   Value   Organ   Effect   Exposure time   Species   Value   Organ   Oral (diet)   NOAEL   Degrime value   Organ   Effect   Exposure time   Species   Value   Organ   Oral (diet)   NOAEL   Organ   Organ   Organ   Organ   Oral (diet)   NOAEL   Organ   Organ   Organ   Organ   Oral (diet)   Oral (diet)   NOAEL   Organ   Orga	Oral (diet) NOEL OECD 408 3000ppm No effect 13 weeks (daily) Rat (male/female) Read-acrd (male/female) Rat (male/female)
Inhalation (aerosol) NOAEL OECD 413	Inhalation (aerosol) NOAEL OECD 413 1.5mg/m³ air No effect 13 weeks (6h/day, 5 days/week)  Route of exposure Parameter Method Value Organ Effect Exposure time Species Value determin Oral (diet) NOAEL 25mg/kg bw/day  Route of exposure Parameter Method Value Organ Effect Exposure time Species Value determin Oral (diet) NOAEL Subchronic toxicity test No effect No eff
Route of exposure Parameter Method Value Organ Effect Exposure time Species Value determine Oral (diet) NOAEL 25mg/kg bw/day No effect Exposure time Species Value determine NOAEL 25mg/kg bw/day No effect Exposure time Species Value determine NOAEL Subchronic toxicity test No effect Dermal Inhalation NOAEC Species Value No effect Exposure time Species Value determine NoAEC Species Value No effect Sposure time Species Value No effect Suposure time Species Value determine NoAEC Species Value No effect Sposure Value No effect No effect Sposure Value No effect No effec	Route of exposure   Parameter   Method   Value   Organ   Effect   Exposure time   Species   Value   determin
Route of exposure Parameter Oral (diet) NOAEL 25mg/kg bw/day No effect Exposure time Species determine Oral (diet) NOAEL 25mg/kg bw/day No effect Rat (male/female) value olophony  Route of exposure Parameter Method Value Organ Effect Exposure time Species Value determine Oral (diet) NOAEL Subchronic toxicity test No effect 90 day(s) Rat (male/female) insufficie Dermal Inhalation Data wai Inhalation NOAEC Other 4200mg/m³ air (vapours) No effect 3 days (8h/day) Rat (male) Experime value Inhalation NOAEC Equivalent to OECD 413 Inhalation NOAEC (vapours) No effect 13 weeks (6h/day, 5 Rat (male) (male/female) Inhalation NOAEC Equivalent to OECD 413 Inhalation NOAEC (vapours) No effect 13 weeks (6h/day, 5 Rat (male/female) Inhalation NOAEC Equivalent to OECD 413 Inhalation NOAEC (vapours) No effect 13 weeks (6h/day, 5 Rat (male/female) Inhalation NOAEC Equivalent to OECD 413 Inhalation NOAEC Inhalation NOAEC Equivalent to OECD 413 Inhalation NOAEC Equivalent to OECD 413 Inhalation NOAEC Inhalation NOAEC Inhalation NOAEC Inhalation NOAEC Inhalation NOAEC Inhalation NOAEC Inhalation Inhalation Inhalation NOAEC Inhalation	Route of exposure Parameter Method Value Organ Effect Exposure time Species Value determin Oral (diet) NOAEL 25mg/kg bw/day No effect Rat Experime value olophony    Route of exposure Parameter Method Value Organ Effect Exposure time Species Value determin Oral (diet) NOAEL Subchronic toxicity test No effect 90 day(s) Rat (male/female) insufficier insuf
Oral (diet)   NOAEL   25mg/kg   bw/day   No effect   Rat (male/female)   Value   Organ   Effect   Exposure time   Species   Value   determine   Oral (diet)   NOAEL   Subchronic   toxicity test   Organ   Effect   Sposure time   Species   Value   Organ   Oral (diet)   NOAEL   Subchronic   O.2%   No effect   90 day(s)   Rat   Inconclus   Inc	Oral (diet) NOAEL 25mg/kg bw/day No effect Rat (male/female) Experime value  Route of exposure Parameter Method Value Organ Effect Exposure time Species Value determin  Oral (diet) NOAEL Subchronic toxicity test Dermal Inhalation NOAEC (vapours) NOAEC (vapours) NOAEC (vapours) Inhalation NOAEC Equivalent to OECD 413 Inhalation NOAEC (vapours) Inhalation NOAEC Other 14g/m³ Central nervous gehavioural (vapours) Inhalation NOAEC Other 14g/m³ Central nervous gehavioural disturbances Apartment of the parameter (male/female) Experime value (male/female) (mal
Route of exposure Parameter   Method   Value   Organ   Effect   Exposure time   Species   Value determine   Oral (diet)   NOAEL   Subchronic toxicity test   Subchronic toxicity test   No effect   90 day(s)   Rat   Inconclus (male/female)   Insufficie   Dermal   Inhalation   Data wai   Inhalation   Inhalation   Inhalation   NOAEC   Other   4200mg/m³ air (vapours)   No effect   3 days (8h/day)   Rat (male)   Experime (vapours)   Inhalation   NOAEC   Equivalent to OECD 413   Inhalation   Inhalation   NOAEC   Equivalent to OECD 413   Inhalation   Inhalation   NOAEC   Equivalent to OECD 413   Inhalation	Route of exposure Parameter Method Value Organ Effect Exposure time Species Value determin  Oral (diet) NOAEL Subchronic toxicity test Organ No effect 90 day(s) Rat (male/female) insufficier (male/female) insufficier Dermal Inhalation Note of exposure Parameter Method Value Organ Effect Exposure time Species Value determin Inhalation NOAEC Other 4200mg/m³ air (vapours) No effect 3 days (8h/day) Rat (male) Experime (vapours) No effect 13 weeks (6h/day, 5 Rat (male) Read-acro (vapours) No AEC Equivalent to OECD 413 No effect 13 weeks (6h/day, 5 Rat (male) Read-acro (vapours) No AEC Equivalent to OECD 413 No effect 13 weeks (6h/day, 5 Rat (male) Read-acro (vapours) No AEC Equivalent to OECD 413 No Effect 13 weeks (6h/day, 5 Rat (male) Read-acro (vapours) No AEC Equivalent to OECD 413 No Effect 13 weeks (6h/day, 5 Rat (male) Read-acro (vapours) No AEC Equivalent to OECD 413 No Effect 13 weeks (6h/day, 5 Rat (male) Experime (vapours) No AEC Equivalent to OECD 413 No Effect 13 weeks (6h/day, 5 Rat (male) Experime (vapours) No AEC Equivalent to OECD 413 No Effect 13 weeks (6h/day, 5 Rat (male) Experime (vapours) No AEC Equivalent to OECD 413 No Effect 13 weeks (6h/day, 5 Rat (male) Experime (vapours) No Effect No Equivalent (male/female) No Experime (vapours) No
Route of exposure Parameter Method Value Organ Effect Exposure time Species Value determing Oral (diet) NOAEL Subchronic toxicity test	Route of exposure Parameter Method Value Organ Effect Exposure time Species Value determin  Oral (diet) NOAEL Subchronic toxicity test 0.2% No effect 90 day(s) Rat Inconclus insufficier  Dermal Data waive Inhalation Data waive Inhalation Inhalation NOAEC Other 4200mg/m³ air (vapours) Inhalation NOAEC Equivalent to OECD 413 Inhalation NOAEC Other 14g/m³ Central nervous Behavioural (vapours) Species Inhalation (vapours) Inhalation NOAEC Other 14g/m³ Central nervous Behavioural (vapours) Inhalation (vapours) Inhalation (vapours) Inhalation NOAEC Inhalation (vapours) Inhalation NOAEC Inhalation (vapours) Inhalation (vapo
Oral (diet)   NOAEL   Subchronic   toxicity test   Subchronic   toxicity test   No effect   90 day(s)   Rat   Inconclusion   Inconcultation	Oral (diet)  NOAEL  Subchronic toxicity test  Dermal  Inhalation  Inhalation  Inhalation  NOAEC  Other  A200mg/m³ air (vapours)  Inhalation  NOAEC  Central nervous  Inhalation  NOAEC  Other  OECD 413  Inhalation  NOAEC  OTHER  OTHER  No effect  OTHER  OTHER  No effect  OTHER  OTHER  OTHER  OTHER  No effect  OTHER  OT
Central   Cotate	toxicity test  Dermal Inhalation
Inhalation   Data wain   Da	Inhalation   Data waive processory   Data waive proces
Route of exposure Parameter Method Value Organ Effect Exposure time Species Value determing (vapours)  Inhalation NOAEC Other 4200mg/m³ air (vapours)  Inhalation NOAEC Equivalent to OECD 413  Inhalation NOAEC Other OECD A13	Route of exposure Parameter Method Value Organ Effect Exposure time Species Value determin  Inhalation (vapours)  Inhalation NOAEC Equivalent to (vapours)  Inhalation NOAEC Equivalent to (vapours)  Inhalation NOAEC Equivalent to OECD 413  Inhalation NOAEC Equivalent to (vapours)  Inhalation NOAEC Equivalent to OECD 413  Inhalation NOAEC Equivalent to (vapours)  Inhalation NOAEC Equivalent to OECD 413  I
Route of exposure Parameter Method Value Organ Effect Exposure time Species Value determing Inhalation (vapours)  Inhalation NOAEC Other 4200mg/m³ air No effect 3 days (8h/day) Rat (male) Experiment value Inhalation (vapours)  Inhalation NOAEC Equivalent to OECD 413  Inhalation NOAEC Equivalent to OECD 413  Inhalation NOAEC Equivalent to OECD 413  Inhalation (vapours)  Inhalation LOAEC Other 14g/m³ Central nervous Behavioural disturbances  Inhalation (vapours)  Inhalation (vapour	Route of exposure Parameter Method Value Organ Effect Exposure time Species Value determin  Inhalation (vapours)  Inhalation NOAEC Other 4200mg/m³ air (vapours)  Inhalation NOAEC Equivalent to OECD 413  Inhalation (vapours)  Inhalation LOAEC Other 14g/m³ Central nervous Behavioural (vapours)  Inhalation (vapours)  Inhalation LOAEC Other 14g/m³ Central nervous Behavioural disturbances  Inhalation (vapours)  Inhalation (vapours)
Inhalation (vapours)  No effect 3 days (8h/day)  Rat (male)  Experime value  Inhalation (vapours)  Inhalation (vapours)  No effect 13 weeks (6h/day, 5 days/week)  Inhalation (vapours)  No effect 13 weeks (6h/day, 5 days/week)  Inhalation (vapours)  No effect 13 weeks (6h/day, 5 days/week)  Inhalation (vapours)  Inhalation (vapou	Inhalation (vapours)  NOAEC Other 4200mg/m³ air (vapours)  No effect 3 days (8h/day)  Rat (male) Experime value  Inhalation (vapours)  No effect 13 weeks (6h/day, 5 days/week)  Inhalation (vapours)  NOAEC Equivalent to OECD 413  NOAEC Equivalent to OECD 413  No effect 13 weeks (6h/day, 5 days/week)  Inhalation (vapours)  No effect 13 weeks (6h/day, 5 days/week)  Inhalation (vapours)  No effect 3 days/week)  Inhalation (vapours)  No effect 4 days/week)  Inhalation (vapours)
(vapours)   NOAEC   Equivalent to OECD 413   G646ppm   No effect   13 weeks (6h/day, 5   Rat (male/female)   No effect   13 weeks (6h/day, 5   Rat (male/female)   Read-acr (vapours)   NOAEC   Equivalent to OECD 413   DECD 413   D	(vapours)valueInhalation (vapours)NOAECEquivalent to OECD 4136646ppmNo effect13 weeks (6h/day, 5 days/week)Rat (male/female)Inhalation (vapours)NOAECEquivalent to OECD 4132220ppmNo effect13 weeks (6h/day, 5 days/week)Rat (male/female)Inhalation (vapours)LOAECOther14g/m³Central nervous systemBehavioural disturbances3 days (8h/day)Rat (male)Experime value
Inhalation (vapours)   NOAEC   Equivalent to (vapours)   DECD 413   DECD 41	(vapours)OECD 413days/week)(male/female)Inhalation (vapours)NOAECEquivalent to OECD 4132220ppm OECD 413No effect13 weeks (6h/day, 5 days/week)Rat (male/female)Inhalation (vapours)LOAECOther14g/m³Central nervous systemBehavioural disturbances3 days (8h/day)Rat (male)Experime value
(vapours) OECD 413 Inhalation (vapours) LOAEC Other 14g/m³ Central nervous Behavioural disturbances 3 days (8h/day) Rat (male) Experime value  ###    Route of exposure   Parameter   Method   Value   Organ   Effect   Exposure time   Species   Value determine   Oral (diet)   LOAEL   Other   2000ppm   Liver   Morphological transformation   14 week(s)   Rat (male/female)   Experime value   Companies   C	(vapours)     OECD 413     days/week)     (male/female)       Inhalation (vapours)     LOAEC     Other     14g/m³     Central nervous Behavioural disturbances     3 days (8h/day)     Rat (male)     Experime value
Inhalation (vapours)	Inhalation LOAEC Other 14g/m³ Central nervous Behavioural (vapours) 3 days (8h/day) Rat (male) Experime value
Route of exposure Parameter Method Value Organ Effect Exposure time Species Value determin  Oral (diet) LOAEL Other 2000ppm Liver Morphological transformation 14 week(s) Rat Experime (male/female) value	
Route of exposure Parameter Method Value Organ Effect Exposure time Species Value determinoral (diet) LOAEL Other 2000ppm Liver Morphological transformation (male/female) Value	##
Oral (diet) LOAEL Other 2000ppm Liver Morphological 14 week(s) Rat Experiment (male/female) value	Route of exposure Parameter   Method   Value   Organ   Effect   Exposure time   Species   Value
	Oral (diet) LOAEL Other 2000ppm Liver Morphological 14 week(s) Rat Experime
Oral (stomach NOAEL OECD 422 60mg/kg No effect Rat Experime	
tube)   bw/day   (male/female) value	
	Dermal Data was
	Dermal Data waiv
tube) bw/day (male/female) valu	Route of exposure Parameter Method Value Organ Effect Exposure time Species Value Oral (diet) LOAEL Other 2000ppm Liver Morphological transformation Rat (male/female) value Oral (stomach NOAEL OECD 422 60mg/kg No effect Rat Exp

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tone	0.0 - 411	T 1 1 - 1 /	F.C	Malana da da da da
Result	Method		Effect	Value determination
Negative	Equivalent to OECD 471	Bacteria (S.typhimurium)	No effect	Experimental value
Negative	Equivalent to OECD 473	Chinese hamster ovary (CHO)	No effect	Experimental value
clohexane	In a sale of a	To at and atmost	F.CC 1	Malara dakamata aktau
Result	Method		Effect	Value determination
Negative with metabolic activation, negative without metabolic activation	Equivalent to OECD 471	Bacteria (S.typhimurium)	No effect	Experimental value
Negative with metabolic activation, negative without metabolic activation	Equivalent to OECD 476	Mouse (lymphoma L5178Y cells)	No effect	Experimental value
<u>ıyl acetate</u>				
Result	Method		Effect	Value determination
Negative with metabolic activation, negative without metabolic activation		Chinese hamster ovary (CHO)	No effect	Experimental value
Negative	Equivalent to OECD 471	Bacteria (S.typhimurium)	No effect	Experimental value
tanone	ha		less i	h., , , , , ,
Result	Method		Effect	Value determination
Negative	Equivalent to OECD 473	Rat liver cells	No effect	Experimental value
Negative with metabolic activation, negative without metabolic activation	Equivalent to OECD 476	Mouse (lymphoma L5178Y cells)	No effect	Experimental value
Negative with metabolic activation, negative without metabolic activation	Equivalent to OECD 471	Bacteria (S.typhimurium)	No effect	Experimental value
c oxide	Mathod	Toot aubatrata	Effect	Value determination
Result	Method	Test substrate	No effect	Value determination
Negative	Equivalent to OECD 471	Bacteria (S.typhimurium)	No effect	Experimental value
-di-tert-butyl-p-cresol Result	Method	Test substrate	Effect	Value determination
Negative	Ames test	Bacteria (S.typhimurium)	No effect	Experimental value
Negative	Equivalent to OECD 473	Chinese hamster ovary (CHO)		Experimental value
Negative	Equivalent to OECD 479		No effect	Experimental value
ophony	Equivalent to OLED 475	chinese namster ovary (erro)	140 Circut	Experimental value
Result	Method	Test substrate	Effect	Value determination
Negative with metabolic activation, negative without metabolic activation	OECD 471	Bacteria (S.typhimurium)	No effect	Experimental value
Negative	OECD 476	Mouse (lymphoma L5178Y cells)	No effect	Experimental value
Negative	OECD 473	, , , ,	No effect	Experimental value
	isoalkanes, cyclics, < 5% n-hexa		lana i	
Result	Method		Effect	Value determination
Negative	Equivalent to OECD 473	Rat liver cells	No effect	Read-across
Negative	Equivalent to OECD 471	Bacteria (S.typhimurium)	No effect	Read-across
Negative	OECD 476		No effect	Read-across
Result	Method	Test substrate	Effect	Value determination
	Method			
Negative with metabolic activation, negative without metabolic activation		Mouse (lymphoma L5178Y cells)	No effect	Experimental value
Negative with metabolic activation, negative without metabolic activation		Rat lymphocytes	No effect	Experimental value
Negative with metabolic activation, negative without	Equivalent to OECD 471	Bacteria (S.typhimurium)	No effect	Experimental value

#### Mu

#### Contact Adhesive 170TX gel

No (test)data on the mixture available

#### acetone

Result	Method	Exposure time	Test substrate	Organ	Value determination
Negative		13 week(s)	Mouse (male/female)		Literature

Reason for revision: ATP6 Publication date: 2007-05-09 Date of revision: 2015-02-05

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Result	Method	Exposure time	Test substrate	Organ	Value determination
Negative	Equivalent to OECD 475	5 days (6h/day)	Rat (male/female)	Bone marrow	Experimental value
hyl acetate					
Result	Method	Exposure time	Test substrate	Organ	Value determinatio
Negative	Equivalent to OECD 474		Mouse (male)		Experimental value
itanone_					1
Result	Method	Exposure time	Test substrate	Organ	Value determination
Negative	Equivalent to OECD 474		Mouse (male/female)		Experimental value
nc oxide					
Result	Method	Exposure time	Test substrate	Organ	Value determination
Negative	OECD 474		Mouse (male)	Bone marrow	Experimental value
6-di-tert-butyl-p-cresol					
Result	Method	Exposure time	Test substrate	Organ	Value determinati
Negative	Chromosome aberration assay	8 weeks (daily)	Mouse (male)		Experimental value
Negative	Micronucleus test		Mouse (female)	Bone marrow	Experimental value
#					•
Result	Method	Exposure time	Test substrate	Organ	Value determination

#### Carcinogenicity

#### Contact Adhesive 170TX gel

No (test)data on the mixture available

acetone

Route of	Parameter	Method	Value	Exposure time	Species	Value	Organ	Effect
exposure						determination		
Dermal	NOEL	Other	79mg	51 week(s)	Mouse (female)	Literature		No effect

2,6-di-tert-butyl-p-cresol

	Route of	Parameter	Method	Value	Exposure time	Species	Value	Organ	Effect
	exposure						determination		
	Oral		Not further		104 week(s)	Rat	Experimental		No carcinogenic
			determined			(male/female)	value		effect
colo	ophony						_		

Effect

Value Parameter Method Route of Exposure time Species Value Organ exposure determination Inhalation Data waiving Dermal Data waiving Oral Data waiving

###

Route of	Parameter	Method	Value	Exposure time	Species	Value	Organ	Effect
exposure						determination		
Inhalation						Data waiving		
Dermal						Data waiving		
Oral						Data waiving		

#### Reproductive toxicity

#### Contact Adhesive 170TX gel

No (test)data on the mixture available

<u>acetone</u>

	Parameter	Method	Value	Exposure time	Species	Effect	9	Value determination
Developmental toxicity	NOAEC	Equivalent to OECD 414	11000ppm		Rat (male/female)			Experimental value
Effects on fertility	NOAEL	Other	900mg/kg bw/day	13 week(s)	Rat (male)	No effect		Literature

Reason for revision: ATP6 Publication date: 2007-05-09
Date of revision: 2015-02-05

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Developmental toxicity  Maternal toxicity  Effects on fertility	All .	Method	Value	Exposure time	Species	Effect	Organ	Value determinat
,	NOAEC	Equivalent to OECD 414	7000ppm	10 days (6h/day)	Rat	No effect		Experiment: value
Effects on fertility	NOAEC	Equivalent to OECD 414	2000ppm	10 days (6h/day)	Rat (female)	No effect		Experiment: value
	NOAEC	Equivalent to OECD 416	2000ppm	>11 weeks (6h/day, 5 days/week)	Rat (male/female)	No effect		Experiment value
ethyl acetate	Parameter	Method	Value	Exposure time	Species	Effect	Organ	Value
Davalan mantal tavisitu	NOAFI	Equivalent to	2600mg/lg	8-14 days		No offort		determinati Read-across
Developmental toxicity	NOAEL	Equivalent to OECD 414	> 3600mg/kg bw/day	(gestation, daily)	Mouse	No effect	Foetus	Read-across
Maternal toxicity	NOAEL	Equivalent to OECD 414	2200mg/kg bw/day	8-14 days (gestation, daily)	Mouse	No effect		Read-across
	LOAEL	Equivalent to OECD 414	3600mg/kg bw/day	8-14 days (gestation, daily)	Mouse	Mortality	General	Read-across
Effects on fertility	NOAEL	Other	1500ppm	13 weeks (6h/day, 5 days/week)	Rat (male)	Reduction in sperm motility	Testes	Experiment value
outanone		la a c				less :		
	Parameter	Method	Value	Exposure time	Species	Effect	Organ	Value determinat
Developmental toxicity	NOAEC	Equivalent to OECD 414	1002ppm	10 days (7h/day)	Rat	No effect	Foetus	Experiment value
Maternal toxicity	NOAEC	Equivalent to OECD 414	1002ppm	10 days (7h/day)	Rat (female)	No effect		Experiment value
Effects on fertility	NOAEL	Equivalent to OECD 416	1644mg/kg bw/day - 1771mg/kg bw/day	, , ,,	Rat (male/female)	No effect		Read-across
rinc oxide	Parameter	Method	Value	Exposure time	Species	Effect	Organ	Value
	rarameter	Iviethou					Organ	determinat
Developmental toxicity	NOAEC	OECD 414	7.5mg/kg bw/day	14 days (6h/day)	Rat	No effect	Foetus	Experiment value
Maternal toxicity	NOAEC	OECD 414	7.5mg/kg bw/day	14 days (6h/day)	Rat	No effect		Experiment value
Effects on fertility	NOAEL (F1)	Equivalent to OECD 416	7.5mg/kg bw/day	22 weeks (daily)	Rat (male/female)	No effect		Read-across
2,6-di-tert-butyl-p-cresol	Parameter	Method	Value	Exposure time	Species	Effect	Organ	Value
				Exposure time	<u>'</u>			determinat
	NOAEL	Equivalent to OECD 414	375mg/kg bw/day		Rat (female)	No effect	Foetus	Experiment value
Developmental toxicity	NOAEL	Equivalent to OECD 414	93.5mg/kg bw/day		Rat (female)	No effect		Experiment value
Developmental toxicity  Maternal toxicity			500mg/kg		Rat (female)	No effect		Experiment value
	NOAEL		bw/day	1				
Maternal toxicity  Effects on fertility	NOAEL		bw/day 100mg/kg bw/day		Rat (male)	No effect		Experiment value
Maternal toxicity  Effects on fertility		Method	100mg/kg	Exposure time	Rat (male)  Species	No effect  Effect	Organ	value <b>Valu</b> e
Maternal toxicity  Effects on fertility	NOAEL	Method OECD 421	100mg/kg bw/day	Exposure time 30-45 day(s)			Organ	_
Maternal toxicity	NOAEL	Method	100mg/kg bw/day	Exposure time			Organ	value <b>Valu</b> e

Developmenta		Parameter	Method	Value	Exposure time	Species	Effect	Organ	Value determina
	l toxicity	NOAEC	Other	≥ 1200ppm	10 days	Rat	No effect		Read-acros
		NOAEL	Equivalent to	3000ppm	(6h/day) 10 days	Mouse	No effect		Read-acros
		LOAEL	OECD 414 Equivalent to	9000ppm	(6h/day) 10 days	Mouse	Minor skeletal	Skeleton	Read-acros
			OECD 414		(6h/day)		variations	G. C. C. C. C.	
Maternal toxici	<i>'</i>	NOAEC	E. Calanti	1200ppm	40.4-	Rat (female)	No effect		Read-acros
		NOAEL	Equivalent to OECD 414	900ppm	10 days (6h/day)	Rat (female)	No effect		Read-acros
		LOAEL	Equivalent to OECD 414	3000ppm	10 days (6h/day)	Rat (female)	Lung tissue affection/degen eration	Lungs	Read-acros
Effects on fertil	ity	NOAEL (P/F1)	Equivalent to OECD 416	9000ppm		Rat (male/female)	No effect		Read-acros
##									
		Parameter	Method	Value	Exposure time	Species	Effect	Organ	Value determina
Developmental	l toxicity	NOAEL	OECD 414	≥ 300mg/kg	20 day(s)	Rat	No effect		Read-acros
Maternal toxici	ity	NOAEL	OECD 414	bw/day 75mg/kg bw/day	20 day(s)	Rat	Mortality		Read-acros
Effects on fertil	lity	NOEL	OECD 416	800ppm		Rat	No effect		Experimen
	1		0202 110	30000		(male/female)	1.0 0000		value
		NOAEL (P)	OECD 422	60mg/kg bw/day		Rat (male/female)	Irritation of the respiratory tract		Experimen value
	TX gel	availahla							
, ,			<b>V</b> alue	Organ	Effect	Exposur	e time Specie	es	Value
ce <u>tone</u>	ne mixture		/alue	Organ Skin	Skin dryness		e time Specie	es .	determination
cetone Parameter	ne mixture		<b>V</b> alue				e time Specie	·s	determination
cetone Parameter	ne mixture	d	Value Value		Skin dryness				determination Literature students Value
Parameter  yclohexane Parameter	Method  Method	d N	/alue	Skin	Skin dryness cracking Effect	s or Exposure	e time Specie	es .	Literature str
Parameter  yclohexane	Metho	d I		Skin	Skin dryness cracking	Exposure		es ale)	Value determination
Parameter    Parameter   Parameter   Parameter   Parameter   NOAEC   LOAEC	Method  Method  Other	d I	Value 2000ppm	Skin	Skin dryness cracking Effect	Exposure	e time Specie	es ale)	Value determination
Parameter  /clohexane  Parameter  NOAEC  LOAEC	Method  Method  Other	d N	Value 2000ppm	Skin	Skin dryness cracking Effect	Exposure	e time Specie Rat (m	ale)	determination Literature sto
Parameter  /clohexane Parameter  NOAEC LOAEC thyl acetate	Method  Method  Other Other	d N	<b>Valu</b> e 2000ppm 7000ppm	Skin	Skin dryness cracking  Effect  neurotoxic e	Exposure  Exposure  Exposure  Exposure	e time Specie Rat (m	ale)	Value determination Experimental Experimental Experimental Experimental Value
Parameter  Parameter  Parameter  NOAEC  LOAEC  thyl acetate  Parameter  utanone	Method  Method  Other  Other  Method	d d	Value 2000ppm 7000ppm Value	Skin  Organ  Organ  Skin	Effect  neurotoxic eneurotoxic	Exposure  Effects 6 h  Exposure  Exposure  S or	e time Specie  Rat (m  Rat (m  Specie	ale) ale)	Value determination Experimenta Experimenta Value determination Experimenta Experimenta Value determination Literature
Parameter  Parameter  Parameter  NOAEC  LOAEC  thyl acetate  Parameter	Method  Method  Other Other	d d	<b>Valu</b> e 2000ppm 7000ppm	Organ Organ Skin Organ	Effect  neurotoxic eneurotoxic	Exposure  Exposure  Exposure  Exposure  Exposure	e time Specie  Rat (m  Rat (m  Specie	ale) ale)	Value determination Experimenta Experimenta Value determination Experimenta Value determination dete
Parameter  Parameter  Parameter  NOAEC  LOAEC  thyl acetate  Parameter  utanone	Method Other Other Method Method Method	d d	Value 2000ppm 7000ppm Value	Skin  Organ  Organ  Skin	Effect  neurotoxic eneurotoxic	Exposure  Exposure  Exposure  Exposure  Exposure	e time Specie  Rat (m  Rat (m  Specie	ale) ale)	Value determinati Experimenta Experimenta Value determinati Ualue determinati Literature Value determinati
yclohexane Parameter NOAEC LOAEC thyl acetate Parameter  utanone Parameter  ic effects from sho	Method Other Other Method Equival 404 Ort and lor TX gel REPEATED e respirator	d d d d d d d d d d d d d d d d d d d	Value 2000ppm 7000ppm Value  Value  CONTACT: Red skii	Organ Organ Skin Organ Skin	Effect  Skin dryness cracking  Effect  neurotoxic eneurotoxic eneu	Exposure effects 6 h effects 6 h Exposure s or Exposure	e time Specie  Rat (m Rat (m Rat (m Specie  e time Specie	ale) ale)	Value determination Experimenta Experimenta  Value determination Experimenta  Value determination Literature  Value determination Read-across

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No (test)data on the mixture available

Reason for revision: ATP6

Acute toxicity fishes	Parameter							
Acute toxicity fishes		Method	Value	Duration	Species	Test design	Fresh/salt water	Value determinat
	LC50	EU Method C.1	5540 mg/l	96 h	Salmo gairdneri	Static system	Fresh water	Experimental valu Nominal concentration
Acute toxicity invertebrates	LC50	Other	12600 mg/l	48 h	Daphnia magna	Static system	Fresh water	Experimental value Nominal concentration
Toxicity algae and other aqu <mark>atic</mark> plants	EC50		>7000 mg/l	96 h	Selenastrum capricornutum	Static system	Fresh water	Experimental valu Nominal concentration
<u>clohexane</u>	Parameter	Method	Value	Duration	Species	Test design	Fresh/salt water	Value determinat
Acute toxicity fishes	LC50	OECD 203	4.53 mg/l	96 h	Pimephales promelas	Flow-through system		Experimental valu Measured concentration
Acute toxicity invertebrates	EC50	OECD 202	0.9 mg/l	48 h	Daphnia magna	Static system	Fresh water	Experimental valu
Toxicity algae and other aqu <mark>atic</mark>	EbC50	OECD 201	3.428 mg/l	72 h	Selenastrum capricornutum			Experimental valu GLP
	NOEC	OECD 201	0.925 mg/l	72 h	Selenastrum capricornutum			Experimental valu Biomass
	ErC50	OECD 201	9.317 mg/l	72 h	Pseudokirchnerie lla subcapitata			Experimental valu
	NOEC		0.94 mg/l	72 h	Pseudokirchnerie Ila subcapitata			Experimental valu Growth rate
Toxicity aquatic micro- organisms	IC50		29 mg/l	15 h	Aerobic micro- organisms			Experimental value Nominal concentration
	Parameter	Method	Va	lue	Duration	Specie	S	Value determina
Toxicity soil macro-organisms	LC50	OECD 207	>1	000 μg/cm²	48 h	Eisenia		Experimental valu
<u>hyl acetate</u>	Parameter	Method	Value	Duration	Species	Test design	Fresh/salt water	Value determinat
	LC50	US EPA	220 mg/l	001	Pimephales	Flow-through		Experimental valu
Acute toxicity fishes		05 2.71	230 mg/l	96 h	promelas		Fresh water	Experimental vale
,	EC50		154 mg/l	48 h		system		Literature
Acute toxicity invertebrates  Toxicity algae and other aquatic		OECD 201	154 mg/l > 100 mg/l	48 h 72 h	promelas	system	Fresh water	
Acute toxicity invertebrates  Toxicity algae and other aquatic plants	NOEC NOEC	OECD 201 ECOSAR v1.00	154 mg/l > 100 mg/l 6.3 mg/l	48 h 72 h 32 day(s)	promelas Daphnia magna Scenedesmus subspicatus Pisces	system Static system	Fresh water Fresh water	Literature Experimental valu Growth rate QSAR
Acute toxicity invertebrates Toxicity algae and other aquatic plants Long-term toxicity fish	NOEC NOEC NOEC	OECD 201 ECOSAR v1.00 OECD 210	154 mg/l > 100 mg/l 6.3 mg/l <9.65 mg/l	48 h 72 h 32 day(s) 32 day(s)	promelas Daphnia magna Scenedesmus subspicatus Pisces Pimephales promelas	Static system Flow-through system	Fresh water Fresh water Fresh water	Literature Experimental valu Growth rate QSAR Experimental valu Growth rate
Acute toxicity invertebrates Toxicity algae and other aquatic plants Long-term toxicity fish Long-term toxicity aquatic invertebrates	NOEC NOEC NOEC	OECD 201 ECOSAR v1.00	154 mg/l > 100 mg/l 6.3 mg/l <9.65 mg/l 2.4 mg/l	48 h 72 h 32 day(s) 32 day(s) 21 day(s)	promelas Daphnia magna Scenedesmus subspicatus Pisces Pimephales promelas Daphnia magna	system Static system Flow-through system Semi-static system	Fresh water Fresh water Fresh water Fresh water	Literature Experimental value Growth rate QSAR Experimental value Growth rate Experimental value Reproduction
Acute toxicity invertebrates Toxicity algae and other aquatic plants Long-term toxicity fish Long-term toxicity aquatic invertebrates Toxicity aquatic microorganisms	NOEC NOEC NOEC	OECD 201 ECOSAR v1.00 OECD 210 Equivalent to	154 mg/l > 100 mg/l 6.3 mg/l <9.65 mg/l	48 h 72 h 32 day(s) 32 day(s)	promelas Daphnia magna Scenedesmus subspicatus Pisces Pimephales promelas	Static system  Flow-through system  Semi-static	Fresh water Fresh water Fresh water Fresh water	Literature Experimental valu Growth rate QSAR Experimental valu Growth rate Experimental valu
Acute toxicity invertebrates Toxicity algae and other aquatic plants Long-term toxicity fish Long-term toxicity aquatic invertebrates Toxicity aquatic microorganisms utanone	NOEC NOEC NOEC	OECD 201  ECOSAR v1.00 OECD 210  Equivalent to OECD 211	154 mg/l > 100 mg/l 6.3 mg/l <9.65 mg/l 2.4 mg/l	48 h 72 h 32 day(s) 32 day(s) 21 day(s)	promelas Daphnia magna Scenedesmus subspicatus Pisces Pimephales promelas Daphnia magna Photobacterium	system Static system Flow-through system Semi-static system	Fresh water Fresh water Fresh water Fresh water Salt water	Literature Experimental value Growth rate QSAR Experimental value Growth rate Experimental value Reproduction Experimental value
Acute toxicity invertebrates Toxicity algae and other aquatic plants Long-term toxicity fish Long-term toxicity aquatic invertebrates Toxicity aquatic microorganisms utanone	NOEC NOEC NOEC EC50	OECD 201  ECOSAR v1.00 OECD 210  Equivalent to OECD 211  Method	154 mg/l > 100 mg/l 6.3 mg/l <9.65 mg/l 2.4 mg/l 5870 mg/l	48 h 72 h 32 day(s) 32 day(s) 21 day(s) 15 minutes	promelas Daphnia magna Scenedesmus subspicatus Pisces Pimephales promelas Daphnia magna Photobacterium phosphoreum  Species Pimephales	Static system  Static system  Flow-through system  Semi-static system  Static system	Fresh water Fresh water Fresh water Fresh water Salt water	Literature Experimental value Growth rate QSAR Experimental value Growth rate Experimental value Reproduction Experimental value Inhibitory  Value determina Experimental value Experimental value Managemental value Experimental value Experimental value Experimental value
plants  Long-term toxicity fish  Long-term toxicity aquatic invertebrates  Toxicity aquatic microorganisms  utanone	NOEC NOEC NOEC EC50 Parameter	OECD 201  ECOSAR v1.00 OECD 210  Equivalent to OECD 211  Method  OECD 203	154 mg/l > 100 mg/l 6.3 mg/l <9.65 mg/l 2.4 mg/l 5870 mg/l	48 h 72 h 32 day(s) 32 day(s) 21 day(s) 15 minutes  Duration	promelas Daphnia magna Scenedesmus subspicatus Pisces Pimephales promelas Daphnia magna Photobacterium phosphoreum  Species	Static system  Flow-through system Semi-static system Static system  Test design  Static system	Fresh water Fresh water Fresh water Fresh water Salt water Fresh/salt water	Literature Experimental value Growth rate QSAR Experimental value Growth rate Experimental value Reproduction Experimental value Inhibitory  Value determina Experimental value Lethal Experimental value Lethal
Acute toxicity invertebrates Toxicity algae and other aquatic plants Long-term toxicity fish Long-term toxicity aquatic invertebrates Toxicity aquatic microorganisms utanone Acute toxicity fishes	NOEC NOEC NOEC Parameter LC50 EC50	OECD 201  ECOSAR v1.00 OECD 210  Equivalent to OECD 211  Method  OECD 203	154 mg/l > 100 mg/l 6.3 mg/l <9.65 mg/l 2.4 mg/l 5870 mg/l Value 2993 mg/l	48 h 72 h 32 day(s) 32 day(s) 21 day(s) 15 minutes  Duration 96 h	promelas Daphnia magna Scenedesmus subspicatus Pisces Pimephales promelas Daphnia magna Photobacterium phosphoreum  Species Pimephales promelas	Static system  Flow-through system Semi-static system Static system  Test design Static system Static system Static system	Fresh water Fresh water Fresh water Fresh water Salt water  Fresh/salt water Fresh water	Literature Experimental value Growth rate QSAR Experimental value Growth rate Experimental value Reproduction Experimental value Inhibitory  Value determination

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	Paramete	er Method	Value	Duration	Species	Test design	Fresh/salt water	Value determ
Acute toxicity fishes	LC50	ASTM E729- 88	0.169 mg/l	96 h	Oncorhynchus mykiss	Static system	Fresh water	Read-across; Z
Acute toxicity invertebrates	LC50	Equivalent to OECD 202	0.33 - 0.66 mg/l	48 h	Daphnia magna	Static system	Fresh water	Read-across; Z
Toxicity algae and other aquaplants	tic IC50	OECD 201	0.136 mg/l	72 h	Pseudokirchnerie lla subcapitata	Static system	Fresh water	Experimental v
	NOEC	OECD 201	0.024 mg/l	3 day(s)	Pseudokirchnerie lla subcapitata	Static system	Fresh water	Experimental v
Long-term toxicity fish	NOEC	OECD 215	0.199 mg/l	30 day(s)	Oncorhynchus mykiss	Flow-through system	Fresh water	Read-across; Z
Long-term toxicity aquatic invertebrates	NOEC	OECD 211	0.048 - 0.156 mg/l	21 day(s)	Daphnia magna	Semi-static system	Fresh water	Read-across; Z
Toxicity aquatic micro- organisms	EC50	Equivalent to OECD 209	5.2 mg/l	3 h	Activated sludge	Static system	Fresh water	Read-across; Inhibitory
6-di-tert-butyl-p-cresol	Paramete	er Method	Value	Duration	Species	Test design	Fresh/salt	Value determi
Acute toxicity fishes	LC0	EU Method C.1	>= 0.57 mg/l	96 h	Brachydanio rerio	Semi-static system	water Fresh water	Experimental v
	LC50	ECOSAR v1.0	00 199 mg/l	96 h	Pisces	system		QSAR
Acute toxicity invertebrates	EC50	OECD 202	0.48 mg/l	48 h	Daphnia magna	Static system	Fresh water	Experimental v
	NOEC	OECD 202	0.15 mg/l	48 h	Daphnia magna	Static system	Fresh water	Experimental v
Toxicity algae and other aqua	tic EC50	ECOSAR v1.00	0 <mark>0.758</mark> mg/l	96 h	Algae			Calculated valu
Long-term toxicity fish	NOEC	ECOSAR v1.00	0 <mark>0.041</mark> mg/l		Pisces			Calculated valu
Long-term toxicity aquatic invertebrates	NOEC	OECD 202	0.316 mg/l	21 day(s)	Daphnia magna			Experimental v
Toxicity aquatic micro- organisms	EC50		1.7 mg/l	24 h	Tetrahymena pyriformis	Static system	Fresh water	Experimental v
olophony		l .					II.	
	Paramete	er Method	Value	Duration	Species	Test design	Fresh/salt water	Value determi
Acute toxicity fishes	LC50	OECD 203	1 - <10 mg/l	96 h	Brachydanio rerio	Semi-static system	Fresh water	Experimental v
Acute toxicity invertebrates	EC50	OECD 202	911 mg/l	48 h	Daphnia magna	Static system	Fresh water	Experimental v
Toxicity algae and other aqua plants	tic ErC50	OECD 201	> 1000 mg/l	72 h	Selenastrum capricornutum	Static system	Fresh water	Experimental v
Toxicity aquatic micro- organisms	EC50	OECD 209	> 10000 mg/l	3 h	Activated sludge	Static system	Fresh water	Experimental v GLP
drocarbons, C6-C7, n-alkanes	s, isoalkanes,	cyclics, < 5% n-hex	kane			7	•	
	Paramete	er Method	Value	Duration	Species	Test design	Fresh/salt water	Value determi
Acute toxicity fishes	LC50	OECD 203	11.4 mg/l WAF	96 h	Oncorhynchus mykiss	Semi-static system	Fresh water	Experimental v GLP
Acute toxicity invertebrates	EC50	OECD 202	3.0 mg/l WAF		Daphnia magna	Static system	Fresh water	Experimental v GLP
Toxicity algae and other aqua plants	tic ErC50	OECD 201	30 - 100 mg/l WAF		Pseudokirchnerie Ila subcapitata	Static system	Fresh water	Experimental v GLP
Long-term toxicity fish	NOEL		2.045 mg/l	28	Oncorhynchus mykiss		Fresh water	QSAR
Long-term toxicity aquatic invertebrates	NOEC		0.17 mg/l	21 day(s)	Daphnia magna			Literature
	LOEC		0.32 mg/l	21 day(s)	Daphnia magna			Literature
Toxicity aquatic micro-	EC50		35.57 mg/l	48 h	Tetrahymena pyriformis		Fresh water	QSAR; Growth
organisms					руппотппо			-1
organisms								
organisms								

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<b>!</b> #								
<u></u>	Parameter	Method	Value	Duration	Species	Test design	Fresh/salt water	Value determinati
Acute toxicity fishes	LC50		5.14 mg/l	96 h	Pimephales promelas			Measured concentration
	LC50	Equivalent to OECD 203	1 - 10 mg,	/l 96 h	Oncorhynchus mykiss	Semi-static system	Fresh water	Similar product; Nominal concentration
Acute toxicity invertebrates	EC50		3.9 mg/l	48 h	Daphnia magna			
	EC50	OECD 202	4.8 mg/l	48 h	Daphnia magna	Static system	Fresh water	Experimental value
Toxicity algae and other aqu <mark>ations of the second s</mark>	EC50		11.2 mg/l	72 h	Scenedesmus subspicatus			Growth rate
	ErC50	OECD 201	14 mg/l	72 h	Pseudokirchnerie lla subcapitata	Static system	Fresh water	Experimental value
Long-term toxicity fish	NOEC	Equivalent to OECD 210	10 μg/l	128 day(	Pimephales promelas	Flow-through system	Fresh water	Experimental value
Long-term toxicity aquatic invertebrates	NOEC	Equivalent to OECD 211	0.73 mg/l	21 day(s)	Daphnia magna	Semi-static system	Fresh water	Experimental valu Nominal concentration
	EC50	OECD 202	4.8 mg/l	48	Daphnia magna	Static system	Fresh water	Experimental valu
Toxicity aquatic micro- organisms	EC50	Equivalent to OECD 209	> 10 mg/l	3 h	Activated sludge		Fresh water	Experimental valu
	Parameter	Method		Value	Duration	Specie	ς	Value determinati
Toxicity soil macro-organisms	- arameter			74.45	24.4.6	56000		Data waiving
Toxicity soil micro-organisms								Data waiving
Toxicity terrestrial plants								
								Data waiving
Toxicity birds	d on the relev	ant ingredients	and on ap	oplication of th	e summation method			Data waiving Data waiving
Toxicity birds sification of the mixture is base clusion sic to aquatic organisms sxic to aquatic life with long last 2 Persistence and degrae etone	ing effects.	ant ingredients	and on ap	pplication of th	e summation method			
Toxicity birds sification of the mixture is base clusion exic to aquatic organisms exic to aquatic life with long last 2 Persistence and degrae etone Biodegradation water	ing effects.	Ţ	and on ap			Mai	ue determine	Data waiving
Toxicity birds sification of the mixture is base clusion exist to aquatic organisms exist to aquatic life with long last 2 Persistence and degradetone Biodegradation water Method	ing effects. dability:	Value	and on ap	D	uration		ue determina	Data waiving tion
Toxicity birds sification of the mixture is base clusion exic to aquatic organisms exic to aquatic life with long last 2 Persistence and degrae etone Biodegradation water Method OECD 301B: CO2 Evolution Te	ing effects. dability:	Ţ	and on ap	D			l <b>ue determina</b> perimental val	Data waiving tion
Toxicity birds sification of the mixture is base clusion exist to aquatic organisms exist to aquatic life with long last 2 Persistence and degradetone Biodegradation water Method	ing effects. dability:	Value	and on ap	D	uration			Data waiving tion
Toxicity birds sification of the mixture is base clusion exic to aquatic organisms exic to aquatic life with long last 2 Persistence and degrace etone Biodegradation water Method OECD 301B: CO2 Evolution Teclohexane	ing effects. dability:	<b>Value</b> 90.9 %	and on ap	D 21	uration	Exp		Data waiving tion
Toxicity birds sification of the mixture is base clusion wic to aquatic organisms exic to aquatic life with long last 2 Persistence and degrace etone Biodegradation water Method OECD 301B: CO2 Evolution Teclohexane Biodegradation water	ing effects.  dability:	Value 90.9 %	and on ap	  D  23	uration 3 day(s) uration	Exp Va	oerimental val	Data waiving tion ue
Toxicity birds sification of the mixture is base clusion wic to aquatic organisms exic to aquatic life with long last 2 Persistence and degrace etone Biodegradation water Method OECD 301B: CO2 Evolution Te clohexane Biodegradation water Method OECD 301F: Manometric Resp	ing effects.  dability:  est  pirometry Test	Value 90.9 %	and on ap	  D  23	uration 3 day(s)	Exp Va	perimental val	Data waiving tion ue
Toxicity birds sification of the mixture is base clusion exic to aquatic organisms exic to aquatic life with long last 2 Persistence and degrace etone Biodegradation water Method OECD 301B: CO2 Evolution Teclohexane Biodegradation water Method OECD 301F: Manometric Reservations air (DT50)	ing effects.  dability:  est  pirometry Test	Value 90.9 % Value 77 %; GLP	and on ap	D 2:	uration 3 day(s) uration 3 day(s)	Val	perimental val	tion ue tion ue
Toxicity birds sification of the mixture is base clusion wic to aquatic organisms exic to aquatic life with long last 2 Persistence and degrace etone Biodegradation water Method OECD 301B: CO2 Evolution Te clohexane Biodegradation water Method OECD 301F: Manometric Resp	ing effects.  dability:  est  pirometry Test	Value 90.9 % Value 77 %; GLP	and on ap	D 2:	uration 3 day(s)  uration 3 day(s)  onc. OH-radicals	Val	ue determina verimental value determina	tion ue tion ue
Toxicity birds sification of the mixture is base clusion wic to aquatic organisms exic to aquatic life with long last 2 Persistence and degrace etone Biodegradation water Method OECD 301B: CO2 Evolution Teclohexane Biodegradation water Method OECD 301F: Manometric Resp Phototransformation air (DT50 Method	ing effects.  dability:  est  pirometry Test	Value 90.9 % Value 77 %; GLP	and on ap	D 2:	uration 3 day(s) uration 3 day(s)	Val	perimental val lue determina perimental val	tion ue tion ue
Toxicity birds sification of the mixture is base clusion exic to aquatic organisms exic to aquatic life with long last 2 Persistence and degrace etone Biodegradation water Method OECD 301B: CO2 Evolution Teclohexane Biodegradation water Method OECD 301F: Manometric Reservations air (DT50)	ing effects.  dability:  est  pirometry Test	Value 90.9 % Value 77 %; GLP	and on ap	D 2:	uration 3 day(s)  uration 3 day(s)  onc. OH-radicals	Val	ue determina verimental value determina	tion ue tion ue tion

ethyl acetate
Biodegradation water
N / a A la a al

	Method	Value	Duration	Value determination
	OECD 301B: CO2 Evolution Test	93.9 %	28 day(s)	Experimental value
	OECD 301D: Closed Bottle Test	100 %	28 day(s)	Experimental value
P	hototransformation air (DT50 air)			

Method	Value	Conc. OH-radicals	Value determination
	40 h	500000 /cm <sup>3</sup>	QSAR

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Product number: 45108 22/31 Revision number: 0201

#### Contact Adhesive 170TX gel **Biodegradation water** Method Value Duration Value determination OECD 301D: Closed Bottle Test 98 %; GLP 28 day(s) Experimental value Phototransformation air (DT50 air) Method Value Conc. OH-radicals Value determination 2.7-26.7 h Calculated value Half-life soil (t1/2 soil) Method Value Value determination Primary degradation/mineralisation 1-7 day(s) Calculated value 2,6-di-tert-butyl-p-cresol **Biodegradation water** Method Value Duration Value determination OECD 301C: Modified MITI Test (I) 4.5 % 28 day(s) Experimental value Phototransformation air (DT50 air) Method Value Conc. OH-radicals Value determination AOPWIN v1.92 7.02 h 1.5E6 /cm<sup>3</sup> Calculated value **Biodegradation soil** Value Value determination Method Duration 63.82 % 1 day(s) Experimental value Half-life water (t1/2 water) Value determination Method Value Primary degradation/mineralisation BIOWIN 4.10 37.5 day(s); QSAR Primary degradation Calculated value Half-life soil (t1/2 soil) Method Value Value determination Primary degradation/mineralisation **EPI Suite** Primary degradation Calculated value 75 day(s) Half-life air (t1/2 air) Method Value Primary Value determination degradation/mineralisation AOPWIN v1.92 7.018 h Primary degradation Calculated value colophony Biodegradation water Duration Value determination Value OECD 301D: Closed Bottle Test 71 %; GLP 28 day(s) Experimental value hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane **Biodegradation water** Duration Method Value determination Value OECD 301F: Manometric Respirometry Test 28 day(s) Experimental value ### **Biodegradation** water Method Value Duration Value determination OECD 301A: DOC Die-Away Test 98 % 28 day(s) Experimental value 28 day(s) OECD 301F: Manometric Respirometry Test 60 %; GLP Experimental value Conclusion Contains non readily biodegradable component(s) 12.3 Bioaccumulative potential: Contact Adhesive 170TX gel Log Kow Value Method Remark Temperature Value determination Not applicable (mixture) acetone **BCF** fishes Parameter Method Duration Species Value determination Value BCF 0.69 Pisces BCF other aquatic organisms **Parameter Method** Value Duration **Species** Value determination BCF BCFWIN Calculated value Log Kow Method Remark Value Temperature Value determination -0.24 Test data

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#### **Contact Adhesive 170TX gel** cyclohexane **BCF fishes** Value determination Parameter Method Value Duration Species 31 - 129 8 week(s) Cyprinus carpio Literature study 167 Pimephales promelas QSAR Log Kow Method Remark Value Temperature Value determination 25 °C 3.44 Experimental value ethyl acetate **BCF fishes** Parameter Method Value Value determination Duration Species BCF 30 3 day(s) Leuciscus idus Experimental value Log Kow Value Value determination Method Remark Temperature EPA OPPTS 830.7560 0.68 25 ℃ Experimental value butanone Log Kow Value Value determination Method Remark Temperature **OECD 117** 0.3 40 °C Experimental value zinc oxide Log Kow Method Remark Value Temperature Value determination 1.53 Estimated value 2,6-di-tert-butyl-p-cresol **BCF** fishes Method Value determination **Parameter** Value Duration Species Cyprinus carpio 56 day(s) BCF **OECD 305** 230 - 2500 Experimental value Log Kow Method Remark Value Temperature Value determination 5.1 Experimental value colophony BCF other aquatic organisms **Parameter Method** Value Duration Species Value determination BCF BCFBAF v3.00 56.2 **QSAR** Log Kow Method Value Remark Temperature Value determination **OECD 117** 1.9 Experimental value hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane Log Kow Method Value Value determination Remark Temperature ### **BCF** fishes Value determination **Parameter** Method Value Duration Species BCF 120 3 h Leuciscus idus 20 - 88 Cyprinus carpio 20 - 48 OECD 305 8 week(s) Cyprinus auratus Experimental value BCF other aquatic organisms Parameter Method Value Value determination Duration Species Chlorella sp. BCF 34 24 h 240 5 h Bacteria Log Kow Temperature Method Value Remark Value determination OECD 117 23 °C Experimental value Conclusion Contains bioaccumulative component(s) 12.4 Mobility in soil: Reason for revision: ATP6 Publication date: 2007-05-09 Date of revision: 2015-02-05

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Contact Ac	hesive 170TX gel

(I	og) Koc				
	Parameter		Method	Value	Value determination
	log Koc		Other	2.89	QSAR
	Кос		Other	770	QSAR
١,,	Volatility (Happy's Law constant LI)				

Volatility (Henry's Law constant H)

Value	Method	Temperature	Remark	Value determination
0.15 atm m³/mol		<mark>25 °C</mark>		Experimental value
14900 Pa.m³/mol		<mark>20 °C</mark>		Calculated value

#### ethyl acetate

cyclohexane

Percent distribution

-							
	Method	Fraction air	Fraction biota	Fraction	Fraction soil	Fraction water	Value determination
				sediment			
	Mackay level III	51.3 %	0 %	0.27 %	13.3 %	35.3 %	Calculated value

#### butanone

(log) Koc

Parameter	Method	Value	Value determination
Кос		34	Calculated value

Volatility (Henry's Law constant H)

Value	Method	Temperature	Remark	Value determination
1.06 Pa.m³/mol				

#### zinc oxide

(log) Koc

Parameter	Method	Value	Value determination
log Koc		2.2	Literature study

#### 2,6-di-tert-butyl-p-cresol

(log) Koc

Parameter		Method	Value	Value determination
Кос		PCKOCWIN v1.66	23030	Calculated value
log Koc		PCKOCWIN v1.66	4.362	Calculated value

Volatility (Henry's Law constant H)

Value	Method	Temperature	Remark	Value determination
8.92E-5 atm m³/mol	SRC HENRYWIN v3.10			Calculated value

Percent distribution

Method	Fraction air	Fraction biota	Fraction sediment	Fraction soil	Fraction water	Value determination
Mackay level III	0.37 %		30.4 %	58.5 %	10.7 %	Calculated value

#### colophony

(log) Koc

Parameter	Method	Value	Value determination		
log Koc	SRC PCKOCWIN v2.0	0.8759	QSAR		

#### hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane

Percent distribution

Method	Fraction air		Fraction sediment	Fraction soil	Fraction water	Value determination
Mackay level III	98 %	0 %	0.9 %	0 %	1.3 %	Calculated value

#### ###

(log) Koc

Parameter	Method	Value	Value determination		
log Koc		3.1	QSAR		

#### 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:

Contact Adhesive 170TX gel

Global warming potential (GWP)

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

Ozone-depleting potential (ODP)

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

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Date of revision: 2015-02-05

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#### acetone

#### Global warming potential (GWP)

Not included in the list of fluorinated greenhouse gases (Regulation (EC) No 517/2014)

#### cyclohexane

#### Global warming potential (GWP)

Not included in the list of fluorinated greenhouse gases (Regulation (EC) No 517/2014)

#### **Ground water**

Ground water pollutant

#### ethyl acetate

#### Global warming potential (GWP)

Not included in the list of fluorinated greenhouse gases (Regulation (EC) No 517/2014)

#### **Ground water**

Ground water pollutant

#### butanone

#### Global warming potential (GWP)

Not included in the list of fluorinated greenhouse gases (Regulation (EC) No 517/2014)

#### **Ground water**

Ground water pollutant

#### zinc oxide

#### Global warming potential (GWP)

Not included in the list of fluorinated greenhouse gases (Regulation (EC) No 517/2014)

#### Ground water

Ground water pollutant

#### 2,6-di-tert-butyl-p-cresol

#### Global warming potential (GWP)

Not included in the list of fluorinated greenhouse gases (Regulation (EC) No 517/2014)

#### colophony

#### Global warming potential (GWP)

Not included in the list of fluorinated greenhouse gases (Regulation (EC) No 517/2014)

#### **Ground water**

Ground water pollutant

#### hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane

#### Global warming potential (GWP)

Not included in the list of fluorinated greenhouse gases (Regulation (EC) No 517/2014)

#### <u>###</u>

#### Global warming potential (GWP)

Not included in the list of fluorinated greenhouse gases (Regulation (EC) No 517/2014)

#### **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

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

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

#### 13.1.2 Disposal methods

Incinerate under surveillance 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.

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#### 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).

14.1 UN number   1.133   1.133   1.134   1.1		t information	
14.2 UN proper shipping name   Adhesives, Special provision 640H   14.3 Transport hazard class(e);	oad (ADR)		
14.2 UN proper shipping name   Adhesives, Special provision 640H   14.3 Transport hazard class(s);			
Proper shipping name   Achesives, Special provision 640H   Hazard identification number   33   33   33   34   34   34   34   3	UN number		1133
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14.1 UN number: on for revision: ATP6 Publication date: 2007-05-09	14.5 Environmental hazards: Environmentally hazardou 14.6 Special precautions for us Special provisions Limited quantities		640H  Combination packagings: not more than 5 liters per inner packaging for liquids. A package shall not weigh more than 30 kg. (gross mass)  Viscous liquid with a flash point lower than 23°C, which meets the
on for revision: ATP6 Publication date: 2007-05-09	14.5 Environmental hazards: Environmentally hazardou 14.6 Special precautions for us Special provisions Limited quantities Specific mention		640H  Combination packagings: not more than 5 liters per inner packaging for liquids. A package shall not weigh more than 30 kg. (gross mass)  Viscous liquid with a flash point lower than 23°C, which meets the
	14.5 Environmental hazards:  Environmentally hazardou  14.6 Special precautions for us  Special provisions  Limited quantities  Specific mention  Sea (IMDG/IMSBC)		640H  Combination packagings: not more than 5 liters per inner packaging for liquids. A package shall not weigh more than 30 kg. (gross mass)  Viscous liquid with a flash point lower than 23°C, which meets the
Date of revision: 2015-02-05	14.5 Environmental hazards:  Environmentally hazardou  14.6 Special precautions for us  Special provisions  Limited quantities  Specific mention  Sea (IMDG/IMSBC)		640H  Combination packagings: not more than 5 liters per inner packaging for liquids. A package shall not weigh more than 30 kg. (gross mass)  Viscous liquid with a flash point lower than 23°C, which meets the
	14.5 Environmental hazards: Environmentally hazardou 14.6 Special precautions for us Special provisions Limited quantities Specific mention  ea (IMDG/IMSBC) 14.1 UN number:		640H  Combination packagings: not more than 5 liters per inner packaging for liquids. A package shall not weigh more than 30 kg. (gross mass)  Viscous liquid with a flash point lower than 23°C, which meets the conditions indicated in 2.2.3.1.4 of ADN
	14.5 Environmental hazards: Environmentally hazardou 14.6 Special precautions for us Special provisions Limited quantities Specific mention  Pa (IMDG/IMSBC) 14.1 UN number:		640H  Combination packagings: not more than 5 liters per inner packaging for liquids. A package shall not weigh more than 30 kg. (gross mass)  Viscous liquid with a flash point lower than 23°C, which meets the conditions indicated in 2.2,3.1.4 of ADN  Publication date: 2007-05-09
on number: 0201 Product number: 45108	14.5 Environmental hazards: Environmentally hazardou 14.6 Special precautions for us Special provisions Limited quantities Specific mention  Pa (IMDG/IMSBC) 14.1 UN number:		640H  Combination packagings: not more than 5 liters per inner packaging for liquids. A package shall not weigh more than 30 kg. (gross mass)  Viscous liquid with a flash point lower than 23°C, which meets the conditions indicated in 2.2.3.1.4 of ADN  Publication date: 2007-05-09

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	J
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	III
Labels	3
14.5 Environmental hazards:	
Marine pollutant	p
Environmentally hazardous substance mark	yes
14.6 Special precautions for user:	
Special provisions	223
Special provisions	955
Limited quantities	Combination packagings: not more than 5 liters per inner packaging f liquids. A package shall not weigh more than 30 kg. (gross mass)
Specific mention	Viscous liquid with a flash point lower than 23°C, which meets the conditions indicated in 2.3.2.3 of IMDG
14.7 Transport in bulk according to Annex II of MARPOL 73/78	
Annex II of MARPOL 73/78	Not applicable, based on available data
r (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	
Labels	3
14.5 Environmental hazards:	
Environmentally hazardous substance mark	yes
14.6 Special precautions for user:	
Special provisions	A3
Passenger and cargo transport: limited quantities: maximu	<mark>um ne</mark> t quantity 10 L
per packaging	
Specific mention	Viscous liquid with a flash point lower than 23°C, which meets the

### 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	I	Remark	
77 %			

#### 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.

	0			
		Designation of the substance, of th	e group of	Conditions of restriction
		substances or of the mixture		
· acetone		Liquid substances or mixtures whic	h are	1. Shall not be used in:
· cyclohexane		regarded as dangerous in accordan	ce with	— ornamental articles intended to produce light or colour effects by means of different
· ethyl acetate		Directive 1999/45/EC or are fulfilling	ng the	phases, for example in ornamental lamps and ashtrays,
· butanone		criteria for any of the following haz	ard classes	— tricks and jokes,
· hydrocarbons, C6-C7, n-alkanes, isc	alkanes	or categories set out in Annex I to F	Regulation	— games for one or more participants, or any article intended to be used as such, even with
cyclics, < 5% n-hexane		(EC) No 1272/2008:	'	ornamental aspects, 2. Articles not complying with paragraph 1 shall not be placed on the
		(a) hazard classes 2.1 to 2.4, 2.6 and	d 2.7, 2.8	market.3. Shall not be placed on the market if they contain a colouring agent, unless
		types A and B, 2.9, 2.10, 2.12, 2.13	categories 1	required for fiscal reasons, or perfume, or both, if they:
		and 2, 2.14 categories 1 and 2, 2.15	types A to	— can be used as fuel in decorative oil lamps for supply to the general public, and,
		F;		— present an aspiration hazard and are labelled with R65 or H304,4. Decorative oil lamps
		(b) hazard classes 3.1 to 3.6, 3.7 ad		for supply to the general public shall not be placed on the market unless they conform to
		effects on sexual function and ferti		the European Standard on Decorative oil lamps (EN 14059) adopted by the European
		development, 3.8 effects other tha	n narcotic	Committee for Standardisation (CEN).5. Without prejudice to the implementation of other
		effects, 3.9 and 3.10;		Community provisions relating to the classification, packaging and labelling of dangerous
		(c) hazard class 4.1;		substances and mixtures, suppliers shall ensure, before the placing on the market, that the
		(d) hazard class 5.1.		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
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		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.'
- acetone - cyclohexane - ethyl acetate - butanone	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.	- "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.
· cyclohexane	Cyclohexane	1. Shall not be placed on the market for the first time after 27 June 2010, for supply to the general public, as a constituent of neoprene-based contact adhesives in concentrations equal to or greater than 0,1 % by weight in package sizes greater than 350 g.2. Neoprene-based contact adhesives containing cyclohexane and not conforming to paragraph 1 shall not be placed on the market for supply to the general public after 27 December 2010.3. Without prejudice to other Community legislation concerning the classification, packaging and labelling of substances and mixtures, suppliers shall ensure before the placing on the market that neoprene-based contact adhesives containing cyclohexane in concentrations equal to or greater than 0,1 % by weight that are placed on the market for supply to the general public after 27 December 2010 are visibly, legibly and indelibly marked as follows: "— This product is not to be used under conditions of poor ventilation.  — This product is not to be used for carpet laying.".
National legislation The Netherla	ands	
Contact Adhesive 170TX gel	ilius	
Waste identification (the	LWCA (the Netherlands): KGA category (	04
Netherlands) Waterbezwaarlijkheid	9	
###		
SZW - List of reprotoxic substances (fertility)	Possible risk of impaired fertility	
National legislation Germany		
Contact Adhesive 170TX gel		
WGK	2; Classification water polluting based or	n the components in compliance with Verwaltungsvorschrift wassergefährdender
	Stoffe (VwVwS) of 27 July 2005 (Anhang	4)
acetone	6	
Schwangerschaft Grup <mark>pe  MAK 8-Stunden-Mittelwert </mark>	Aceton; 500 ppm	
ppm	,	
MAK 8-Stunden-Mittelwert mg/m³	Aceton; 1200 mg/m³	
TA-Luft	5.2.5	
<u>cyclohexane</u>		
Schwangerschaft Gruppe	D	
MAK 8-Stunden-Mittel <mark>wert</mark>	Cyclohexan; 200 ppm	
MAK 8-Stunden-Mittel <mark>wert</mark>	Cyclohexan; 700 mg/m³	
mg/m³ TA-Luft	5.2.5; I	
	··········	
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ethyl acetate		
Schwangerschaft Gruppe	С	
MAK 8-Stunden-Mittelwert	Ethylacetat; 400 ppm	
MAK 8-Stunden-Mittelwert mg/m³	Ethylacetat; 1500 mg/m³	
TA-Luft	5.2.5	
butanone		
Schwangerschaft Gruppe	С	
MAK 8-Stunden-Mittelwert ppm	2-Butanon; 200 ppm	
MAK 8-Stunden-Mittelwert mg/m³	2-Butanon; 600 mg/m³	
TA-Luft	5.2.5	
zinc oxide		
Schwangerschaft Gruppe	С	
Schwangerschaft Gruppe	С	
MAK 8-Stunden-Mittelwert mg/m <sup>3</sup>	Fraktion (vgl. Abschn. Vd) S. 19	/erbindungen (alveolengängige Fraktion); 0,1 mg/m³; gemessen als alveolengängige  1) /erbindungen (einatembare Fraktion); 2 mg/m³; gemessen als einatembare Fraktion (vgl.
TA-Luft	5.2.1	
2,6-di-tert-butyl-p-cresol		
MAK - Krebserzeugend Kategorie	4	
Schwangerschaft Gruppe	С	
MAK 8-Stunden-Mittelwert mg/m³		ng/m³; gemessen als einatembare Fraktion (vgl. Abschn. Vd) S. 191)
TA-Luft	5.2.5; I	
colophony		
TA-Luft	5.2.1	
<u>###</u>		
Schwangerschaft Gruppe	D	
MAK 8-Stunden-Mittelwert ppm	p-tert-Butylphenol; 0.080 ppm	
MAK 8-Stunden-Mittel <mark>wert</mark> mg/m³	p-tert-Butylphenol; 0.5 mg/m³	
TA-Luft	5.2.5; I 5.2.5	

#### National legislation France

Contact Adhesive 170TX gel
No data available

#### National legislation Belgium

Contact Adhesive 170TX gel
No data available

#### Other relevant data

Contact Adhesive 170TX gel

No data available

acetone

ΤI	TLV - Carcinogen									l			A	٩c	e	tc	n	ie	; /	Ą٠	4					
_				_	-		_																			Ī

2,6-di-tert-butyl-p-cresol

IARC - classification	3; Butylated hydroxytoluene (bht)
TLV - Carcinogen	Butylated hydroxytoluene (BHT); A4

#### 15.2 Chemical safety assessment:

No chemical safety assessment is required.

### SECTION 16: Other information

Full text of any R-phrases referred to under headings 2 and 3:

R36 Irritating to eyes

R36/38 Irritating to eyes and skin

R38 Irritating to skin

R41 Risk of serious damage to eyes

R43 May cause sensitisation by skin contact

R50 Very toxic to aquatic organisms

R51 Toxic to aquatic organisms

R53 May cause long-term adverse effects in the aquatic environment

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R62 Possible risk of impaired fertility

R65 Harmful: may cause lung damage if swallowed

R66 Repeated exposure may cause skin dryness or cracking

R67 Vapours may cause drowsiness and dizziness

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

H225 Highly flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

H361f Suspected of damaging fertility.

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.

(\*) = INTERNAL CLASSIFICATION BY BIG

PBT-substances = persistent, bioaccumulative and toxic substances

DSD Dangerous Substance Directive
DPD Dangerous Preparation Directive

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

#### M-factor

2,6-di-tert-butyl-p-cresol 1 Acute BIG

The information in this safety data sheet is based on data and samples provided to BIG. The sheet was written to the best of our ability and according to the state of knowledge at that time. The safety data sheet only constitutes a guideline for the safe handling, use, consumption, storage, transport and disposal of the substances/preparations/mixtures mentioned under point 1. New safety data sheets are written from time to time. Only the most recent versions may be used. Old versions must be destroyed. Unless indicated otherwise word for word on the safety data sheet, the information does not apply to substances/preparations/mixtures in purer form, mixed with other substances or in processes. The safety data sheet offers no quality specification for the substances/preparations/mixtures in question. Compliance with the instructions in this safety data sheet does not release the user from the obligation to take all measures dictated by common sense, regulations and recommendations or which are necessary and/or useful based on the real applicable circumstances. BIG does not guarantee the accuracy or exhaustiveness of the information provided and cannot be held liable for any changes by third parties. This safety data sheet is only to be used within the European Union, Switzerland, Iceland, Norway and Liechtenstein. Any use outside of this area is at your own risk. Use of this safety data sheet is subject to the licence and liability limiting conditions as stated in your BIG licence agreement or when this is failing the general conditions of BIG. All intellectual property rights to this sheet are the property of BIG and its distribution and reproduction are limited. Consult the mentioned agreement/conditions for details.

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