

SAFETY DATA SHEET

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

T-Rex Montage Neoprene

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

1.1. Product identifier

Product name : T-Rex Montage Neoprene 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 **2** +32 14 42 42 31

4 +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

4 +32 14 42 65 14

msds@soudal.com 1.4. Emergency telephone number

24h/24h (Telephone advice: English, French, German, Dutch):

+32 14 58 45 45 (BIG)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Class	Category	Hazard statements
Flam. Liq.	categ <mark>ory 2</mark>	H225: Highly flammable liquid and vapour.
Eye Irrit.	category 2	H319: Causes serious eye irritation.
Skin Irrit.	category 2	H315: Causes skin irritation.
STOT SE	category 3	H336: May cause drowsiness or dizziness.
Aquatic Chronic	category 2	H411: Toxic to aquatic life with long lasting effects.

2.2. Label elements







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

signai word	
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.

Created by: Brandweerinformatiecentrum voor gevaarlijke stoffen vzw (BIG)

Technische Schoolstraat 43 A, B-2440 Geel

http://www.big.be © BIG vzw

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Product number: 45422

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P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P280 Wear protective gloves, protective clothing and eye protection/face protection.
P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue

rinsing.

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.

2.3. Other hazards

Gas/vapour spreads at floor level: ignition hazard

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

		CAS No EC No		Conc. (C)	Classification according to CLP	Note	Remark
ethyl acetate 01-2119475103-46		141-78-6 205-500-4		3% <c<10%< td=""><td>Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336</td><td>(1)(2)(10)</td><td>Constituent</td></c<10%<>	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			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			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			Aquatic Acute 1; H400 Aquatic Chronic 1; H410	(1)(2)	Constituent
colophony 01-2119480418-32		8050-09-7 232-475-7		0.1% <c<1%< td=""><td>Skin Sens. 1; H317</td><td>(1)(2)</td><td>Constituent</td></c<1%<>	Skin Sens. 1; H317	(1)(2)	Constituent
hydrocarbons, C6-C7, n-alkanes 5% n-hexane 01-2119475514-35	, isoalkanes, cyclics, <				Flam. Liq. 2; H225 Asp. Tox. 1; H304 Skin Irrit. 2; H315 STOT SE 3; H336 Aquatic Chronic 2; H411	(1)(10)	Constituent
4-tert-butylphenol 01-2119489419-21		98-54-4 202-679-0		0.1% <c<1%< td=""><td>Repr. 2; H361f Skin Irrit. 2; H315 Eye Dam. 1; H318 Aquatic Chronic 1; H410</td><td>(1)(2)</td><td>Constituent</td></c<1%<>	Repr. 2; H361f Skin Irrit. 2; H315 Eye Dam. 1; H318 Aquatic Chronic 1; H410	(1)(2)	Constituent

⁽¹⁾ For 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. Take victim to a doctor if irritation persists.

After eye contact:

Rinse immediately with plenty of water. Take victim to an ophthalmologist if irritation persists.

After ingestion:

Rinse mouth with water. 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:

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⁽²⁾ Substance with a Community workplace exposure limit

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

EXPOSURE TO HIGH CONCENTRATIONS: Central nervous system depression. Dizziness. Narcosis. Mental confusion. ON CONTINUOUS EXPOSURE/CONTACT: Slight irritation.

After skin contact

Tingling/irritation of the skin. ON CONTINUOUS EXPOSURE/CONTACT: Dry skin.

After eye contact:

Irritation of the eye tissue.

After ingestion:

No effects known.

4.2.2 Delayed symptoms

No effects known.

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

If applicable and available it will be listed below.

SECTION 5: Firefighting measures

5.1. Extinguishing media

5.1.1 Suitable extinguishing media:

Polyvalent foam. Alcohol-resistant foam. ABC powder. Carbon dioxide.

5.1.2 Unsuitable extinguishing media:

No unsuitable extinguishing media known.

5.2. Special hazards arising from the substance or mixture

Upon combustion CO and CO2 are formed (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. 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. Protective goggles. Head/neck protection. Protective clothing. Heat/fire exposure: compressed air/oxygen apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Stop engines and no smoking. No naked flames or sparks. Spark- and explosion proof 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. Protective goggles. Head/neck protection. 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 absorbent material, e.g.: sand/earth. Scoop absorbed substance into closing containers. Carefully collect the spill/leftovers. Clean contaminated surfaces with a soap solution. 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. 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:

Storage temperature: 20 °C. Store in a dark area. Store at room temperature. Ventilation at floor level. Meet the legal requirements. Max. storage time: 1 year(s).

7.2.2 Keep away from:

Heat sources, ignition sources, oxidizing agents.

7.2.3 Suitable packaging material:

Tin.

7.2.4 Non suitable packaging material:

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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

Butanon

1 Occupational exposure		
n) Occupational exposure limit values	I has that add had good	
f limit values are applicable and available these wil	l be listed below.	
he Netherlands		
2,6-Di-tert-butyl-p-creso <mark>l (inhaleerbaar)</mark>	Time-weighted average exposure limit 8 h (Private occupational exposure limit value)	5 mg/m³
2-Butanon	Time-weighted average exposure limit 8 h (Public occupational exposure limit value)	197 ppm
	Time-weighted average exposure limit 8 h (Public occupational exposure limit value)	590 mg/m³
	Short time value (Public occupational exposure limit value)	300 ppm
	Short time value (Public occupational exposure limit value)	900 mg/m³
Ethylacetaat	Time-weighted average exposure limit 8 h (Private occupational exposure limit value)	150 ppm
	Time-weighted average exposure limit 8 h (Private occupational exposure limit value)	550 mg/m ³
	Short time value (Private occupational exposure limit value)	300 ppm
	Short time value (Private occupational exposure limit value)	1100 mg/m ³
o-tert.Butylfenol	Time-weighted average exposure limit 8 h (Private occupational exposure limit value)	0.08 ppm
	Time-weighted average exposure limit 8 h (Private occupational exposure limit value)	0.5 mg/m³
Pyrolyseproducten afkom <mark>stig van harskern soldeer</mark> (alifatisch aldehyde bere <mark>kend als formaldehyde)</mark>	tin Time-weighted average exposure limit 8 h (Private occupational exposure limit value)	0.1 mg/m³
Zinkoxide (rook)	Time-weighted average exposure limit 8 h (Private occupational exposure limit value)	5 mg/m³
EU		
Butanone	Time-weighted average exposure limit 8 h (Indicative occupational exposure limit value)	200 ppm
	Time-weighted average exposure limit 8 h (Indicative occupational exposure limit value)	600 mg/m³
	Short time value (Indicative occupational exposure limit value)	300 ppm
	Short time value (Indicative occupational exposure limit value)	900 mg/m³
Belgium		
2,6-Di-tert-butyl-p-crésol (vapeur et aérosol)	Time-weighted average exposure limit 8 h	2 mg/m³
2-Butanone	Time-weighted average exposure limit 8 h	200 ppm
	Time-weighted average exposure limit 8 h	600 mg/m ³
	Short time value	300 ppm
	Short time value	900 mg/m³
Acétate d'éthyle	Time-weighted average exposure limit 8 h	400 ppm
· I	Time-weighted average exposure limit 8 h	1461 mg/m ³
Zinc (oxyde de) (fumées)	Time-weighted average exposure limit 8 h	2 mg/m³
. (.) (Short time value	10 mg/m³
ICA (TIV ACCIII)		
JSA (TLV-ACGIH)	Time weighted average average 12:00 0 b (Ti) (Ade at 12:01)	2 / 3 /15 /
Butylated hydroxytoluen <mark>e (BHT)</mark>	Time-weighted average exposure limit 8 h (TLV - Adopted Value)	2 mg/m³ (IFV)
Ethyl acetate	Time-weighted average exposure limit 8 h (TLV - Adopted Value)	400 ppm
Methyl ethyl ketone (MEK)	Time-weighted average exposure limit 8 h (TLV - Adopted Value)	200 ppm
Zinc oxide	Short time value (TLV - Adopted Value) Time-weighted average exposure limit 8 h (TLV - Adopted Value)	300 ppm 2 mg/m³ (R)
LITIC OXIGE	Short time value (TLV - Adopted Value)	2 mg/m² (R) 10 mg/m³ (R)
IFV): Inhalable fraction and vapor R): Respirable fraction	proceding value (124 - Adopted value)	To mg/m (n)
Germany		
2,6-Di-tert-butyl-p-kresol	Time-weighted average exposure limit 8 h (TRGS 900)	10 mg/m ³
4-tert-Butylphenol	Time-weighted average exposure limit 8 h (TRGS 900)	0.08 ppm
	Time-weighted average exposure limit 8 h (TRGS 900)	0.5 mg/m ³

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Time-weighted average exposure limit 8 h (TRGS 900)

Time-weighted average exposure limit 8 h (TRGS 900)

Time-weighted average exposure limit 8 h (TRGS 900)

 0.5 mg/m^3

200 ppm

600 mg/m³

France 2,6-Di-tert-butyl-p-crésol Acétate d'éthyle Acétate d'éthyle Colophane (produits de décomposition des baguettes de soudure, exprimés en aldéhyde formique) Méthyléthylcétone Time-weighted average exposure limit 8 h (VL: Valeur non réglementaire indicative) Time-weighted average exposure limit 8 h (VL: Valeur non réglementaire indicative) Time-weighted average exposure limit 8 h (VL: Valeur non réglementaire indicative) Colophane (produits de décomposition des baguettes de soudure, exprimés en aldéhyde formique) Méthyléthylcétone Time-weighted average exposure limit 8 h (VL: Valeur non réglementaire indicative) Time-weighted average exposure limit 8 h (VRC: Valeur réglementaire contraignante) Time-weighted average exposure limit 8 h (VRC: Valeur réglementaire contraignante) Short time value (VRC: Valeur réglementaire contraignante) 300 ppm Short time value (VRC: Valeur réglementaire contraignante) Time-weighted average exposure limit 8 h (VL: Valeur non réglementaire indicative) Time-weighted average exposure limit 8 h (VL: Valeur non réglementaire indicative) UK 2,6-Di-tert-butyl-p-cresol Time-weighted average exposure limit 8 h (VL: Valeur non réglementaire indicative) Time-weighted average exposure limit 8 h (VL: Valeur non réglementaire indicative) UK 2,6-Di-tert-butyl-p-cresol Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005)) Time-weighted average exposure limit 8 h (Workplace exposure limit 600 mg/m³ (EH40/2005)) Time-weighted average exposure limit 8 h (Workplace exposure limit 600 mg/m³ (EH40/2005)) Time-weighted average exposure limit (EH40/2005)) 300 ppm Short time value (Workplace exposure limit (EH40/2005)) 399 mg/m³	eu i			1.00
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Short time value (VRC: Valeur réglementaire contraignante) 2inc (oxyde de, fumées) Time-weighted average exposure limit 8 h (VL: Valeur non réglementaire indicative) Time-weighted average exposure limit 8 h (VL: Valeur non réglementaire indicative) 10 mg/m³ Time-weighted average exposure limit 8 h (VL: Valeur non réglementaire indicative) UK 2,6-Di-tert-butyl-p-cresol Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005)) Butan-2-one (methyl ethyl ketone) Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005)) Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005)) Short time value (Workplace exposure limit (EH40/2005)) Short time value (Workplace exposure limit (EH40/2005)) Ethyl acetate Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005)) Short time value (Workplace exposure limit (EH40/2005)) Short time value (Workplace exposure limit (EH40/2005)) Rosin-based solder flux fume Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005)) Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005)) Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005)) Rosin-based solder flux fume				600 mg/m³
Zinc (oxyde de, fumées) Time-weighted average exposure limit 8 h (VL: Valeur non réglementaire indicative) Time-weighted average exposure limit 8 h (VL: Valeur non réglementaire indicative) Time-weighted average exposure limit 8 h (VL: Valeur non réglementaire indicative) UK 2,6-Di-tert-butyl-p-cresol Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005)) Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005)) Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005)) Short time value (Workplace exposure limit (EH40/2005)) Short time value (Workplace exposure limit (EH40/2005)) Time-weighted average exposure limit (EH40/2005)) Short time value (Workplace exposure limit (EH40/2005)) Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005)) Time-weighted average exposure limit (EH40/2005)) Short time value (Workplace exposure limit (EH40/2005)) Time-weighted average exposure limit (EH40/2005)) A00 ppm Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005)) Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005)) Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005))			Short time value (VRC: Valeur réglementaire contraignante)	300 ppm
réglementaire indicative) Zinc (oxyde de, poussières) Time-weighted average exposure limit 8 h (VL: Valeur non réglementaire indicative) UK 2,6-Di-tert-butyl-p-cresol Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005)) Butan-2-one (methyl ethyl ketone) Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005)) Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005)) Short time value (Workplace exposure limit (EH40/2005)) Short time value (Workplace exposure limit (EH40/2005)) Short time value (Workplace exposure limit 8 h (Workplace exposure limit (EH40/2005)) Short time value (Workplace exposure limit (EH40/2005)) Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005)) Short time value (Workplace exposure limit (EH40/2005)) Aloo ppm Time-weighted average exposure limit (EH40/2005)) Rosin-based solder flux fume Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005)) Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005)) Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005))			Short time value (VRC: Valeur réglementaire contraignante)	900 mg/m³
réglementaire indicative) UK 2,6-Di-tert-butyl-p-cresol Butan-2-one (methyl ethyl ketone) Butan-2-one (methyl ethyl ketone) Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005)) Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005)) Short time value (Workplace exposure limit (EH40/2005)) Short time value (Workplace exposure limit (EH40/2005)) Short time value (Workplace exposure limit (EH40/2005)) Ethyl acetate Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005)) Short time value (Workplace exposure limit 8 h (Workplace exposure limit (EH40/2005)) Time-weighted average exposure limit (EH40/2005)) Rosin-based solder flux fume Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005)) Time-weighted average exposure limit (EH40/2005)) Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005)) Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005))	Zinc (oxyde de, fumées)			5 mg/m³
Time-weighted average exposure limit 8 h (Workplace exposure limit 10 mg/m³ (EH40/2005)) Butan-2-one (methyl ethyl ketone) Time-weighted average exposure limit 8 h (Workplace exposure limit 200 ppm (EH40/2005)) Time-weighted average exposure limit 8 h (Workplace exposure limit 600 mg/m³ (EH40/2005)) Short time value (Workplace exposure limit (EH40/2005)) Short time value (Workplace exposure limit (EH40/2005)) Short time value (Workplace exposure limit (EH40/2005)) Ethyl acetate Time-weighted average exposure limit 8 h (Workplace exposure limit 200 ppm (EH40/2005)) Short time value (Workplace exposure limit (EH40/2005)) A00 ppm Time-weighted average exposure limit (EH40/2005)) Rosin-based solder flux fume Time-weighted average exposure limit 8 h (Workplace exposure limit 0.05 mg/m³ (EH40/2005))	Zinc (oxyde de, poussière	es)	9 9 ,	10 mg/m³
(EH40/2005)) Butan-2-one (methyl ethyl ketone) EH40/2005)) Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005)) Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005)) Short time value (Workplace exposure limit (EH40/2005)) Short time value (Workplace exposure limit (EH40/2005)) Short time value (Workplace exposure limit (EH40/2005)) Ethyl acetate Time-weighted average exposure limit (EH40/2005)) Short time value (Workplace exposure limit (EH40/2005)) Short time value (Workplace exposure limit (EH40/2005)) Time-weighted average exposure limit (EH40/2005)) Rosin-based solder flux fume Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005)) Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005))	UK			
(EH40/2005)) Time-weighted average exposure limit 8 h (Workplace exposure limit 600 mg/m³ (EH40/2005)) Short time value (Workplace exposure limit (EH40/2005)) 300 ppm Short time value (Workplace exposure limit (EH40/2005)) 899 mg/m³ Ethyl acetate Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005)) 200 ppm (EH40/2005)) Short time value (Workplace exposure limit (EH40/2005)) 400 ppm Rosin-based solder flux fume Time-weighted average exposure limit 8 h (Workplace exposure limit 0.05 mg/m³ (EH40/2005))	2,6-Di-tert-butyl-p-creso			10 mg/m³
(EH40/2005)) Short time value (Workplace exposure limit (EH40/2005)) Short time value (Workplace exposure limit (EH40/2005)) Short time value (Workplace exposure limit (EH40/2005)) Ethyl acetate Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005)) Short time value (Workplace exposure limit (EH40/2005)) A00 ppm Rosin-based solder flux fume Time-weighted average exposure limit 8 h (Workplace exposure limit 0.05 mg/m³ (EH40/2005))	Butan-2-one (methyl eth	yl ketone)		200 ppm
Short time value (Workplace exposure limit (EH40/2005)) Ethyl acetate Time-weighted average exposure limit 8 h (Workplace exposure limit 200 ppm (EH40/2005)) Short time value (Workplace exposure limit (EH40/2005)) Rosin-based solder flux fume Time-weighted average exposure limit 8 h (Workplace exposure limit 0.05 mg/m³ (EH40/2005))				600 mg/m³
Ethyl acetate Time-weighted average exposure limit 8 h (Workplace exposure limit 200 ppm (EH40/2005)) Short time value (Workplace exposure limit (EH40/2005)) Rosin-based solder flux fume Time-weighted average exposure limit 8 h (Workplace exposure limit 0.05 mg/m³ (EH40/2005))			Short time value (Workplace exposure limit (EH40/2005))	
(EH40/2005)) Short time value (Workplace exposure limit (EH40/2005)) 400 ppm Rosin-based solder flux fume Time-weighted average exposure limit 8 h (Workplace exposure limit 0.05 mg/m³ (EH40/2005))				899 mg/m³
Rosin-based solder flux fume Time-weighted average exposure limit 8 h (Workplace exposure limit 0.05 mg/m³ (EH40/2005))	Ethyl acetate			200 ppm
(EH40/2005))			Short time value (Workplace exposure limit (EH40/2005))	400 ppm
Short time value (Workplace exposure limit (EH40/2005)) 0.15 mg/m³	Rosin-based solder flux f	ume		0.05 mg/m³
			Short time value (Workplace exposure limit (EH40/2005))	0.15 mg/m ³

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.

ii 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 and METHYL ETHYL KETONE in urine	NIOSH	8319
Di-tert-butyl-p-cresol	OSHA	2108
Ethyl acetate (Volatile Organic compounds)	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
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/DMEL - Workers

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yl acetate	Tuno	Volue	Remark
ffect level (DNEL/DMEL)	Туре	Value	Remark
NEL	Long-term systemic effects inhalation	734 mg/m³	
	Acute systemic effects inhalation	1468 mg/m³	
	Long-term local effects inhalation	734 mg/m³	
	Acute local effects inhalation	1468 mg/m³	
	Long-term systemic effects dermal	63 mg/kg bw/day	
anone (DNE)	h	hz-t	D
ffect level (DNEL/DMEL)	Туре	Value	Remark
NEL	Long-term systemic effects inhalation	600 mg/m³	
	Long-term systemic effects dermal	1161 mg/kg bw/day	
oxide		h	- In .
ffect level (DNEL/DMEL)	Туре	Value	Remark
NEL	Long-term systemic effects inhalation	5 mg/m³	
	Long-term systemic effects dermal	83 mg/kg bw/day	
-di-tert-butyl-p-cresol			1
ffect level (DNEL/DMEL)	Туре	Value	Remark
NEL	Long-term systemic effects dermal	8.3 mg/kg bw/day	
	Long-term systemic effects inhalation	5.8 mg/m³	
<u>ophony</u>			
ffect level (DNEL/DMEL)	Туре	Value	Remark
NEL	Long-term systemic effects inhalation	117 mg/m³	
	Long-term systemic effects dermal	17 mg/kg bw/day	
lrocarbons, C6-C7, n-alkanes	isoalkanes, cyclics, < 5% n-hexane		
ffect level (DNEL/DMEL)	Туре	Value	Remark
NEL	Long-term systemic effects inhalation	2035 mg/m ³	
	Long-term systemic effects dermal	773 mg/kg bw/day	
ert-butylphenol			•
ffect level (DNEL/DMEL)	Туре	Value	Remark
NEL	Long-term systemic effects inhalation	0.5 mg/m³	
	Long-term systemic effects dermal	0.071 mg/kg bw/day	
EL/DMEL - General p <mark>opulati</mark>		3. 3 , ,	<u>'</u>
yl acetate			
ffect level (DNEL/DMEL)	Туре	Value	Remark
NEL	Long-term systemic effects inhalation	367 mg/m³	
	Acute systemic effects inhalation	734 mg/m³	
	Long-term local effects inhalation	367 mg/m³	
	Acute local effects inhalation	734 mg/m³	
	Long-term systemic effects dermal	37 mg/kg bw/day	
		4.5 mg/kg bw/day	
anono	Long-term systemic effects oral	4.5 Hig/kg bw/day	
franone (DNEL/DMEL)	Tuno	Value	Remark
<u> </u>	Туре		Remark
	Long-term systemic effects inhalation	106 mg/m³	
NEL	land land and a second second	442 //	
NEL .	Long-term systemic effects dermal	412 mg/kg bw/day	
	Long-term systemic effects dermal Long-term systemic effects oral	412 mg/kg bw/day 31 mg/kg bw/day	
<u>c oxide</u>	Long-term systemic effects oral	31 mg/kg bw/day	Downst
<u>c oxide</u> ffect level (DNEL/DMEL)	Long-term systemic effects oral Type	31 mg/kg bw/day Value	Remark
c oxide ffect level (DNEL/DMEL)	Type Long-term systemic effects oral Type Long-term systemic effects inhalation	31 mg/kg bw/day Value 2.5 mg/m³	Remark
c oxide ffect level (DNEL/DMEL)	Type Long-term systemic effects inhalation Long-term systemic effects dermal	Value 2.5 mg/m³ 83 mg/kg bw/day	Remark
<u>c oxide</u> ffect level (DNEL/DMEL) NEL	Type Long-term systemic effects oral Type Long-term systemic effects inhalation	31 mg/kg bw/day Value 2.5 mg/m³	Remark
coxide ffect level (DNEL/DMEL) NEL di-tert-butyl-p-cresol	Type Long-term systemic effects inhalation Long-term systemic effects dermal	Value 2.5 mg/m³ 83 mg/kg bw/day 0.83 mg/kg bw/day	
coxide ffect level (DNEL/DMEL) NEL -di-tert-butyl-p-cresol ffect level (DNEL/DMEL)	Type Long-term systemic effects inhalation Long-term systemic effects dermal Long-term systemic effects oral Type	Value 2.5 mg/m³ 83 mg/kg bw/day 0.83 mg/kg bw/day Value	Remark Remark
coxide ffect level (DNEL/DMEL) NEL -di-tert-butyl-p-cresol ffect level (DNEL/DMEL)	Type Long-term systemic effects inhalation Long-term systemic effects dermal Long-term systemic effects oral Type Long-term systemic effects dermal	Value 2.5 mg/m³ 83 mg/kg bw/day 0.83 mg/kg bw/day Value 5 mg/kg bw/day	
coxide ffect level (DNEL/DMEL) NEL di-tert-butyl-p-cresol ffect level (DNEL/DMEL)	Type Long-term systemic effects inhalation Long-term systemic effects dermal Long-term systemic effects oral Type	Value 2.5 mg/m³ 83 mg/kg bw/day 0.83 mg/kg bw/day Value	
coxide Ffect level (DNEL/DMEL) NEL di-tert-butyl-p-cresol Ffect level (DNEL/DMEL) NEL ophony	Type Long-term systemic effects inhalation Long-term systemic effects dermal Long-term systemic effects oral Type Long-term systemic effects dermal	Value 2.5 mg/m³ 83 mg/kg bw/day 0.83 mg/kg bw/day Value 5 mg/kg bw/day	
coxide ffect level (DNEL/DMEL) NEL -di-tert-butyl-p-cresol ffect level (DNEL/DMEL) NEL ophony	Type Long-term systemic effects inhalation Long-term systemic effects dermal Long-term systemic effects oral Type Long-term systemic effects dermal	Value 2.5 mg/m³ 83 mg/kg bw/day 0.83 mg/kg bw/day Value 5 mg/kg bw/day	
coxide ffect level (DNEL/DMEL) NEL di-tert-butyl-p-cresol ffect level (DNEL/DMEL) NEL ophony ffect level (DNEL/DMEL)	Type Long-term systemic effects inhalation Long-term systemic effects dermal Long-term systemic effects oral Type Long-term systemic effects dermal Long-term systemic effects inhalation	Value 2.5 mg/m³ 83 mg/kg bw/day 0.83 mg/kg bw/day Value 5 mg/kg bw/day 1.74 mg/m³	Remark
coxide ffect level (DNEL/DMEL) NEL di-tert-butyl-p-cresol ffect level (DNEL/DMEL) NEL ophony ffect level (DNEL/DMEL)	Type Long-term systemic effects inhalation Long-term systemic effects dermal Long-term systemic effects oral Type Long-term systemic effects dermal Long-term systemic effects dermal Long-term systemic effects inhalation Type Long-term systemic effects inhalation	Value 2.5 mg/m³ 83 mg/kg bw/day 0.83 mg/kg bw/day Value 5 mg/kg bw/day 1.74 mg/m³ Value 35 mg/m³	Remark
coxide ffect level (DNEL/DMEL) NEL di-tert-butyl-p-cresol ffect level (DNEL/DMEL) NEL ophony ffect level (DNEL/DMEL)	Type Long-term systemic effects inhalation Long-term systemic effects dermal Long-term systemic effects oral Type Long-term systemic effects dermal Long-term systemic effects dermal Long-term systemic effects inhalation Type Long-term systemic effects inhalation Long-term systemic effects inhalation Long-term systemic effects dermal	Value 2.5 mg/m³ 83 mg/kg bw/day 0.83 mg/kg bw/day Value 5 mg/kg bw/day 1.74 mg/m³ Value 35 mg/m³ 10 mg/kg bw/day	Remark
Goxide ffect level (DNEL/DMEL) NEL -di-tert-butyl-p-cresol ffect level (DNEL/DMEL) NEL -pphony ffect level (DNEL/DMEL) NEL	Type Long-term systemic effects inhalation Long-term systemic effects dermal Long-term systemic effects oral Type Long-term systemic effects dermal Long-term systemic effects dermal Long-term systemic effects inhalation Type Long-term systemic effects inhalation Long-term systemic effects inhalation Long-term systemic effects dermal Long-term systemic effects dermal Long-term systemic effects oral	Value 2.5 mg/m³ 83 mg/kg bw/day 0.83 mg/kg bw/day Value 5 mg/kg bw/day 1.74 mg/m³ Value 35 mg/m³	Remark
coxide ffect level (DNEL/DMEL) NEL -di-tert-butyl-p-cresol ffect level (DNEL/DMEL) NEL -pphony ffect level (DNEL/DMEL) NEL -di-tert-butyl-p-cresol ffect level (DNEL/DMEL) NEL -di-tert-butyl-p-cresol ffect level (DNEL/DMEL) NEL	Type Long-term systemic effects inhalation Long-term systemic effects dermal Long-term systemic effects oral Type Long-term systemic effects dermal Long-term systemic effects dermal Long-term systemic effects inhalation Type Long-term systemic effects inhalation Long-term systemic effects inhalation Long-term systemic effects dermal Long-term systemic effects oral Long-term systemic effects oral Long-term systemic effects oral	Value 2.5 mg/m³ 83 mg/kg bw/day 0.83 mg/kg bw/day Value 5 mg/kg bw/day 1.74 mg/m³ Value 35 mg/m³ 10 mg/kg bw/day 10 mg/kg bw/day	Remark Remark
Goxide ffect level (DNEL/DMEL) NEL -di-tert-butyl-p-cresol ffect level (DNEL/DMEL) NEL -pphony ffect level (DNEL/DMEL) NEL -di-tert-butyl-p-cresol ffect level (DNEL/DMEL) NEL -di-tert-butyl-p-cresol ffect level (DNEL/DMEL)	Type Long-term systemic effects inhalation Long-term systemic effects dermal Long-term systemic effects oral Type Long-term systemic effects dermal Long-term systemic effects inhalation Type Long-term systemic effects inhalation Type Long-term systemic effects inhalation Long-term systemic effects inhalation Long-term systemic effects dermal Long-term systemic effects oral	Value 2.5 mg/m³ 83 mg/kg bw/day 0.83 mg/kg bw/day Value 5 mg/kg bw/day 1.74 mg/m³ Value 35 mg/m³ 10 mg/kg bw/day 10 mg/kg bw/day Value	Remark
Goxide ffect level (DNEL/DMEL) NEL -di-tert-butyl-p-cresol ffect level (DNEL/DMEL) NEL -pphony ffect level (DNEL/DMEL) NEL	Type Long-term systemic effects inhalation Long-term systemic effects dermal Long-term systemic effects oral Type Long-term systemic effects dermal Long-term systemic effects dermal Long-term systemic effects inhalation Type Long-term systemic effects inhalation Long-term systemic effects inhalation Long-term systemic effects dermal Long-term systemic effects oral Long-term systemic effects oral Long-term systemic effects oral	Value 2.5 mg/m³ 83 mg/kg bw/day 0.83 mg/kg bw/day Value 5 mg/kg bw/day 1.74 mg/m³ Value 35 mg/m³ 10 mg/kg bw/day 10 mg/kg bw/day	Remark Remark

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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	1
NEC			
thyl 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		
utanone	- 5/ 5		
Compartments	Value	Remark	
Fresh water	55.8 mg/l		
Marine water	55.8 mg/l		
Aqua (intermittent releases)	55.8 mg/l		
STP	709 mg/l		
Fresh water sediment	284.74 mg/kg sediment d	w	
Marine water sediment	284.7 mg/kg sediment dw		
Soil	22.5 mg/kg soil dw		
Food	1000 mg/kg food		
inc oxide	TOOO HIS\KS 1000		
Compartments	Value	Remark	
Fresh water	20.6 μg/l	Remark	
Marine water	6.1 µg/l		
STP	100 μg/l		
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		
,6-di-tert-butyl-p-cresol	Malue	Dement	
Compartments	Value	Remark	
Fresh water	4 μg/l		
Marine water	0.4 μg/l		
Aqua (intermittent releases)	4 μg/l		
STP	100 mg/l		
Fresh water sediment	1.29 µg/kg sediment dw		
Soil	1.04 mg/kg soil dw		
Oral	16.7 mg/kg food		
olophony			
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	1000 mg/l		
Fresh water sediment	0.007 mg/kg sediment dw		
Marine water sediment	0.0007 mg/kg sediment d	w	
Soil	0.00045 mg/kg soil dw		
-tert-butylphenol			
Compartments	Value	Remark	
Fresh water	0.01 mg/l		
Marine water	0.001 mg/l		
Aqua (intermittent rele <mark>ases)</mark>	0.048 mg/l		7
STP	1.5 mg/l		
Fresh water sediment	0.27 mg/kg sediment dw		
Marine water sediment	0.027 mg/kg sediment dw	,	
	0.25 mg/kg soil dw		
Soil	U.ZJ IIIR/KR SUII UW		

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.

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8.2.1 Appropriate engineering controls

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

8.2.2 Individual protection measures, such as personal protective equipment

Observe 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:

Safety glasses.

d) Skin protection:

Protective clothing.

8.2.3 Environmental exposure controls:

See headings 6.2, 6.3 and 13

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical form		Viscous
Odour		Characteristic odour
Odour threshold		No data available
Colour		Variable in colour, depending on the composition
Particle size		No data available
Explosion limits		No data available
Flammability		Highly flammable liquid and vapour.
Log Kow		Not applicable (mixture)
Dynamic viscosity		No data available
Kinematic viscosity		No data available
Melting point		No data available
Boiling point		No data available
Flash point		<mark>< 23 ℃</mark>
Evaporation rate		No data available
Relative vapour density		Not applicable
Vapour pressure		< 1100 hPa; 50 °C
Solubility		water ; insoluble
		organic solvents; soluble
Relative density		1.2
Decomposition tempera	ture	No data available
Auto-ignition temperatu	ire	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 1220 kg/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.

10.5. Incompatible materials

Oxidizing agents.

10.6. Hazardous decomposition products

Upon combustion CO and CO2 are formed (carbon monoxide - carbon dioxide).

SECTION 11: Toxicological information

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T-Rex Montage Neoprene 11.1. Information on toxicological effects 11.1.1 Test results Acute toxicity T-Rex Montage Neoprene No (test)data on the mixture available ethyl acetate Method Value Value Route of exposure Parameter Exposure time Species Remark determination Oral LD50 Equivalent to OECD 10200 mg/kg bw Rat (female) Experimental value LD50 24 hour cuff method > 20000 mg/kg bw 24 h Rabbit (male) Dermal Experimental value 29.3 mg/l LC0 Equivalent to OECD Rat Inhalation (vapours) Experimental value 403 Route of exposure Parameter Method Value Exposure time Species determination LD50 Equivalent to OECD <mark>2193 mg</mark>/kg bw Rat (male/female) Read-across Dermal LD50 **Equivalent to OECD** > 10 ml/kg bw 24 h Rabbit (male) Experimental value 402 Inhalation Data waiving zinc oxide Method Value Route of exposure Parameter Exposure time Species Value Remark determination Equivalent to OECD > 5000 mg/kg Rat (male/female) Experimental value 401 LD50 24 h Rat (male/female) Dermal OECD 402 > 2000 mg/kg bw Experimental value Inhalation (dust) LC50 Equivalent to OECD > 5.7 mg/l 4 h Rat (male/female) Experimental value 2,6-di-tert-butyl-p-cresol Route of exposure Parameter Method Value Species Value Remark Exposure time determination OECD 401 6000 mg/kg bw Rat (male/female) Oral LD50 Experimental value Dermal OECD 402 2000 mg/kg bw Rat (male/female) Experimental value colophony Route of exposure Parameter Method Value Species Value Remark Exposure time determination Oral LD50 Rat (male/female) Other <mark>2800 mg</mark>/kg bw Experimental value Derma LD50 OECD 402 2000 mg/kg bw Rat (male/female) Experimental value Inhalation Data waiving hy

ydrocarbons, C6-C7, n-a	alkane	s, isoall	kanes, cyclics, < 5% n-	<u>hexane</u>				
Route of exposure	Parar	neter	Method	Value	Exposure time	Species	Value	Remark
							determination	
Oral	LD50		Other	> 5840 mg/kg bw		Rat (male/female)	Read-across	
Dermal	LD50		Other	> 2800 mg/kg bw	24 week(s)	Rat (male/female)	Similar product	
Inhalation (vapours)	LC50		Other	> 25.2 mg/l	4 h	Rat (male/female)	Experimental value	

4-tert-butylphenol

Route of exposure	Parameter	Method	Value	Exposure time	Species	Value	Remark
						determination	
Oral	LD50	OECD 401	> 2000 mg/kg		Rat (male/female)	Experimental value	
Dermal	LD50	Equivalent to OECD	> 16000 mg/kg bw	24 h		Experimental value	
		402			(male/female)		
Inhalation (dust)	LC50	Equivalent to OECD	> 5.6 mg/l	4 h	Rat (male/female)	Experimental value	
		403		-			

Judgement is based on the relevant ingredients

Conclusion

Not classified for acute toxicity

Corrosion/irritation

T-Rex Montage Neoprene

No (test)data on the mixture available

Reason for revision: 2.2 Publication date: 2007-09-13 Date of revision: 2015-10-19

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T-Rex Montage Neoprene Route of exposure Result Method Value Remark Exposure time Time point Species determination Eye Irritating; category Annex VI 24 h 24; 48; 72 hours Experimental value Skin Slightly irritating Equivalent to Rabbit **OECD 404** butanone Route of exposure Result Method Exposure time Time point Species Value Remark determination Experimental value Single exposure Equivalent to 24; 72 hours Rabbit Irritating **DECD 405** Skin Not irritating OECD 404 4 h 4; 24; 48; 72 hours Rabbit Read-across zinc oxide Route of exposure Result Method Exposure time Time point **Species** Value Remark determination Not irritating OECD 405 24; 72 hours Rabbit Experimental value Eye 24 h Not irrit<mark>ating</mark> OECD 404 24 h 24 hours Rabbit Experimental value OECD 431 1 hour Not applicable (in Not corrosive 3 minutes Reconstructed Experimental value vitro test) human epidermis 2,6-di-tert-butyl-p-cresol Route of exposure Result Method Exposure time Time point **Species** Remark determination Eye Not irritating OECD 405 24; 72 hours Rabbit Experimental value Skin Not irritating OECD 404 24; 72 hours Rabbit Experimental value colophony Route of exposure Result Method Exposure time Time point **Species** Value Remark determination Not irritating OECD 405 24; 48; 72 hours Rabbit Experimental value Single treatment Skin Not irritating OECD 404 24; 48; 72 hours Rabbit Experimental value 4 h hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane Route of exposure Result Vlethod Exposure time Time point Remark Species determination Not irritating Rabbit Eye Other Read-across 24; 48; 72 hours Experimental value Equivalent to Skin Irritating 4 h Rabbit OECD 404 4-tert-butylphenol Method Route of exposure Result Exposure time Time point **Species** Value Remark determination Serious <mark>eye</mark> Equivalent to 1 seconds 1; 24; 48; 72 hours Rabbit Experimental value Single treatment Eye OECD 405 damage Highly irritating **OECD 404** 1; 24; 48; 72 hours Rabbit Experimental value Classification is based on the relevant ingredients Conclusion Causes skin irritation. Causes serious eve irritation. Not classified as irritating to the respiratory system Respiratory or skin sensitisation T-Rex Montage Neoprene No (test)data on the mixture available ethyl acetate Route of exposure Result Method Exposure time Observation time Species Value determination Remark Intradermal Not sensitizing **OECD 406** 24 h 24: 48 hours Guinea pig Experimental value (female) butanone Method Observation time Value determination Remark Route of exposure Result Exposure time Species point OECD 406 24; 48 hours Not sensitizing Guinea pig Experimental value (female) zinc oxide Route of exposure Result Method Exposure time Observation time Species Value determination Remark point Guinea pig Skin Not sens<mark>itizing</mark> OECD 406 Experimental value female) Skin Not sensitizing Human observation | 2 days (continuous) | 72 hours Human Experimental value

Reason for revision: 2.2 Publication date: 2007-09-13
Date of revision: 2015-10-19

Revision number: 0201 Product number: 45422 10 / 24

	Result	Method	Ex	oosure time	Observation time point	Species	Value determination	Remark
Skin	Not sens <mark>itizing</mark>	Guinea pig maximisatio	n test		24; 48 hours	Guinea pig (male/female)	Experimental value	
Skin	Not sens <mark>itizin</mark> g	Human obse	ervation			Human (male/female)	Experimental value	
olophony		<u> </u>				,		1
Route of exposure	Result	Method	Ex	oosure time	Observation time	Species	Value determination	Remark
					point			
Skin	Not sens <mark>itizin</mark> g	g Human obse	ervation			Human (male/female)	Experimental value	
Skin	Sensitizing; category 1						Annex VI	
ydrocarbons, C6-C7,		alkanes, cyclics	< 5% n-hexa	ne				
Route of exposure		Method		oosure time	Observation time	Species	Value determination	Remark
•					point			
Skin	Not sens <mark>itizing</mark>	Equivalent t	o OECD		24; 48 hours	Guinea pig	Read-across	
		406				(male/female)		
tert-butylphenol								
Route of exposure	Result	Method	Ex	oosure time	Observation time	Species	Value determination	Remark
					point			
	Not sensitizing				48; 72 hours	Guinea pig (male	Experimental value	
udgement is based o	n the rel <mark>evant</mark>	ingredients						
<u>nclusion</u>								
ot classified as sensi	tizing for skin							
ot classified as sensi	-	ation						
ot classifica as scrisi	tizing for initial	acion						
c target organ toxic	tv							
a. go. organ toxio	-5							
x Montage Neopren	e							
(test)data on the mi								
thyl acetate								
Route of exposur	Parameter	Method	Value	Organ	Effect	Exposure time	Species	Value
Route of exposur	c i didifictor	IVICTIOU	Value	Organi	Litet	Exposure time	эрсысэ	determinat
Oral (stomach	NOAEL	US EPA	900 mg/kg	General	No effect	90-92 day(s)	Rat	Experiment
tube)	1107122	03 21 71	bw/day	General	ino enece	30 32 day(3)	(male/female)	value
Oral (stomach	LOAEL	US EPA	3600 mg/k		D a al i a la k	00.00 1 ()		
							Dat .	
,	LOALL	OSLIA	_	g General	Body weight,	90-92 day(s)	Rat	
tube)	LOALE	OSLIA	bw/day	g General	organ weight,	90-92 day(s)	Rat (male/female)	value
,	EOALL	OS LI A	_	g General	organ weight, food	90-92 day(s)		
tube)			bw/day		organ weight, food consumption		(male/female)	value
,	NOEC	EPA OTS	_	General General	organ weight, food consumption No adverse	13 weeks (6h/c	(male/female) day, 5 Rat	value Experiment
tube)			bw/day		organ weight, food consumption	13 weeks (6h/c	(male/female)	value
tube) Inhalation utanone	NOEC	EPA OTS 798.2450	bw/day 350 ppm	General	organ weight, food consumption No adverse systemic effec	13 weeks (6h/c ts days/week)	(male/female) day, 5 Rat (male/female)	value Experiment value
tube)	NOEC	EPA OTS	bw/day		organ weight, food consumption No adverse	13 weeks (6h/c	day, 5 Rat (male/female)	Experiment value
Inhalation utanone Route of exposur	NOEC	EPA OTS 798.2450	bw/day 350 ppm	General	organ weight, food consumption No adverse systemic effec	13 weeks (6h/c ts days/week)	(male/female) day, 5 Rat (male/female)	Experiment value Value determinat
Inhalation utanone Route of exposur Oral	NOEC	EPA OTS 798.2450	bw/day 350 ppm	General	organ weight, food consumption No adverse systemic effec	13 weeks (6h/c ts days/week)	(male/female) day, 5 Rat (male/female)	Experiment value Value determinat Data waivin
Inhalation utanone Route of exposur Oral Dermal	NOEC e Parameter	EPA OTS 798.2450 Method	350 ppm	General	organ weight, food consumption No adverse systemic effec	13 weeks (6h/c ts days/week) Exposure time	(male/female) day, 5 Rat (male/female) Species	Experiment value Value determinat Data waivin Data waivin
Inhalation utanone Route of exposur Oral Dermal Inhalation	NOEC	EPA OTS 798.2450 Method	bw/day 350 ppm	General	organ weight, food consumption No adverse systemic effec	13 weeks (6h/cts days/week) Exposure time	(male/female) day, 5 Rat (male/female) Species day, 5 Rat	Experiment value Value determinat Data waivin Experiment
Inhalation utanone Route of exposur Oral Dermal Inhalation (vapours)	NOEC e Parameter	EPA OTS 798.2450 Method	bw/day 350 ppm Value 5041 ppm	General Organ	organ weight, food consumption No adverse systemic effect Effect No effect	13 weeks (6h/c ts days/week) Exposure time	(male/female) day, 5 Rat (male/female) Species	Experiment value Value determinat Data waivin Experiment value
Inhalation utanone Route of exposur Oral Dermal Inhalation (vapours) Inhalation	NOEC e Parameter	EPA OTS 798.2450 Method	350 ppm	General Organ t.3 Central no	organ weight, food consumption No adverse systemic effect Effect No effect ervous Drowsiness,	13 weeks (6h/cts days/week) Exposure time	(male/female) day, 5 Rat (male/female) Species day, 5 Rat	Experiment value Value determinat Data waivin Experiment
Inhalation utanone Route of exposur Oral Dermal Inhalation (vapours) Inhalation (vapours)	NOEC e Parameter	EPA OTS 798.2450 Method	bw/day 350 ppm Value 5041 ppm	General Organ	organ weight, food consumption No adverse systemic effect Effect No effect	13 weeks (6h/cts days/week) Exposure time	(male/female) day, 5 Rat (male/female) Species day, 5 Rat	Experiment value Value determinat Data waivin Experiment value
Inhalation utanone Route of exposur Oral Dermal Inhalation (vapours) Inhalation (vapours) Inhalation (vapours)	NOEC Parameter NOAEC	EPA OTS 798.2450 Method Equivalent to OECD 413	bw/day 350 ppm Value 5041 ppm STOT SE ca	General Organ t.3 Central no system	organ weight, food consumption No adverse systemic effect Effect No effect Prowsiness, dizziness	13 weeks (6h/c days/week) Exposure time 13 weeks (6h/c days/week)	(male/female) day, 5 Rat (male/female) Species day, 5 Rat (male/female)	Experiment value Value determinat Data waivin Data waivin Experiment value Annex VI
Inhalation utanone Route of exposur Oral Dermal Inhalation (vapours) Inhalation (vapours)	NOEC Parameter NOAEC	EPA OTS 798.2450 Method	bw/day 350 ppm Value 5041 ppm	General Organ t.3 Central no	organ weight, food consumption No adverse systemic effect Effect No effect ervous Drowsiness,	13 weeks (6h/cts days/week) Exposure time	(male/female) day, 5 Rat (male/female) Species day, 5 Rat (male/female)	Experiment value Value determinat Data waivin Data waivin Experiment value Annex VI
Inhalation utanone Route of exposur Oral Dermal Inhalation (vapours) Inhalation (vapours) nc oxide Route of exposur	NOEC Parameter NOAEC Parameter	EPA OTS 798.2450 Method Equivalent to OECD 413 Method	bw/day 350 ppm Value 5041 ppm STOT SE ca	General Organ t.3 Central no system	organ weight, food consumption No adverse systemic effect Effect No effect Prowsiness, dizziness Effect	13 weeks (6h/c ts days/week) Exposure time 13 weeks (6h/c days/week) Exposure time	(male/female) day, 5 Rat (male/female) Species day, 5 Rat (male/female) Species	Experiment value Value determinati Data waivin Experiment value Annex VI Value determinati
Inhalation utanone Route of exposur Oral Dermal Inhalation (vapours) Inhalation (vapours) Inhalation (vapours)	NOEC Parameter NOAEC	EPA OTS 798.2450 Method Equivalent to OECD 413	bw/day 350 ppm Value 5041 ppm STOT SE ca	General Organ t.3 Central no system	organ weight, food consumption No adverse systemic effect Effect No effect Prowsiness, dizziness	13 weeks (6h/c days/week) Exposure time 13 weeks (6h/c days/week)	(male/female) day, 5 Rat (male/female) Species day, 5 Rat (male/female) Species Species	Experiment value Value determinat Data waivin Experiment value Annex VI Value determinat
Inhalation utanone Route of exposur Oral Dermal Inhalation (vapours) Inhalation (vapours) Route of exposur Oral (diet)	NOEC Parameter NOAEC Parameter NOEL	EPA OTS 798.2450 Method Equivalent to OECD 413 Method OECD 408	bw/day 350 ppm Value 5041 ppm STOT SE ca Value 3000 ppm	General Organ t.3 Central no system Organ	organ weight, food consumption No adverse systemic effect Effect No effect ervous Drowsiness, dizziness Effect No effect	13 weeks (6h/c days/week) Exposure time 13 weeks (6h/c days/week) Exposure time 13 weeks (daily	(male/female) day, 5 Rat (male/female) Species day, 5 Rat (male/female) Species Species A Rat (male/female)	Experiment value Value determinati Data waivin Experiment value Annex VI Value determinati Read-across
Inhalation utanone Route of exposur Oral Dermal Inhalation (vapours) Inhalation (vapours) nc oxide Route of exposur	NOEC Parameter NOAEC Parameter NOEL	EPA OTS 798.2450 Method Equivalent to OECD 413 Method	bw/day 350 ppm Value 5041 ppm STOT SE ca	General Organ t.3 Central no system Organ	organ weight, food consumption No adverse systemic effect Effect No effect Prowsiness, dizziness Effect	13 weeks (6h/c days/week) Exposure time 13 weeks (6h/c days/week) Exposure time 13 weeks (daily 13 weeks (6h/c	(male/female) day, 5 Rat (male/female) Species day, 5 Rat (male/female) Species Species A Rat (male/female)	Experiment value Value determinat Data waivin Data waivin Experiment value Annex VI Value determinat Read-across Experiment
Inhalation utanone Route of exposur Oral Dermal Inhalation (vapours) Inhalation (vapours) or oxide Route of exposur Oral (diet) Inhalation (aeroso	NOEC Parameter NOAEC Parameter NOEL NOAEL	EPA OTS 798.2450 Method Equivalent to OECD 413 Method OECD 408	bw/day 350 ppm Value 5041 ppm STOT SE ca Value 3000 ppm	General Organ t.3 Central no system Organ	organ weight, food consumption No adverse systemic effect Effect No effect ervous Drowsiness, dizziness Effect No effect	13 weeks (6h/c days/week) Exposure time 13 weeks (6h/c days/week) Exposure time 13 weeks (daily	(male/female) day, 5 Rat (male/female) Species day, 5 Rat (male/female) Species Species A Rat (male/female)	Experimentivalue Value determinati Data waivin Experimentivalue Annex VI
Inhalation utanone Route of exposur Oral Dermal Inhalation (vapours) Inhalation (vapours) or oxide Route of exposur Oral (diet) Inhalation (aeroso	NOEC Parameter NOAEC Parameter NOEL NOAEL	EPA OTS 798.2450 Method Equivalent to OECD 413 Method OECD 408 OECD 413	bw/day 350 ppm Value 5041 ppm STOT SE ca Value 3000 ppm 1.5 mg/m³	General Organ t.3 Central no system Organ air	organ weight, food consumption No adverse systemic effect Effect No effect ervous Drowsiness, dizziness Effect No effect No effect	13 weeks (6h/c days/week) Exposure time 13 weeks (6h/c days/week) Exposure time 13 weeks (daily 13 weeks (6h/c days/week)	(male/female) day, 5 Rat (male/female) Species day, 5 Rat (male/female) Species y) Rat (male/female) day, 5 Rat (male/female)	Value Experiments value Value determinati Data waivin Experiments value Annex VI Value determinati Read-across Experiments value
Inhalation utanone Route of exposur Oral Dermal Inhalation (vapours) Inhalation (vapours) or oxide Route of exposur Oral (diet) Inhalation (aeroso	NOEC Parameter NOAEC Parameter NOEL NOAEL	EPA OTS 798.2450 Method Equivalent to OECD 413 Method OECD 408	bw/day 350 ppm Value 5041 ppm STOT SE ca Value 3000 ppm	General Organ t.3 Central no system Organ	organ weight, food consumption No adverse systemic effect Effect No effect ervous Drowsiness, dizziness Effect No effect	13 weeks (6h/c days/week) Exposure time 13 weeks (6h/c days/week) Exposure time 13 weeks (daily 13 weeks (6h/c	(male/female) day, 5 Rat (male/female) Species day, 5 Rat (male/female) Species y) Rat (male/female) day, 5 Rat (male/female)	Experiments value Value determinati Data waivin Experiments value Annex VI Value determinati Read-across Experiments value Value determinati
Inhalation utanone Route of exposur Oral Dermal Inhalation (vapours) Inhalation (vapours) or oxide Route of exposur Oral (diet) Inhalation (aeroso	NOEC Parameter NOAEC Parameter NOEL NOAEL	EPA OTS 798.2450 Method Equivalent to OECD 413 Method OECD 408 OECD 413	bw/day 350 ppm Value 5041 ppm STOT SE ca Value 3000 ppm 1.5 mg/m³	General Organ t.3 Central no system Organ air	organ weight, food consumption No adverse systemic effect Effect No effect ervous Drowsiness, dizziness Effect No effect No effect	13 weeks (6h/c days/week) Exposure time 13 weeks (6h/c days/week) Exposure time 13 weeks (daily 13 weeks (6h/c days/week)	(male/female) day, 5 Rat (male/female) Species day, 5 Rat (male/female) Species y) Rat (male/female) day, 5 Rat (male/female)	Value determinati Data waivin Experimenti value Annex VI Value determinati Experimenti value Annex VI Value determinati Read-across Experimenti value Value determinati
Inhalation utanone Route of exposur Oral Dermal Inhalation (vapours) Inhalation (vapours) or oxide Route of exposur Oral (diet) Inhalation (aeroso	NOEC Parameter NOAEC Parameter NOEL NOAEL	EPA OTS 798.2450 Method Equivalent to OECD 413 Method OECD 408 OECD 413	bw/day 350 ppm Value 5041 ppm STOT SE ca Value 3000 ppm 1.5 mg/m³	General Organ t.3 Central no system Organ air	organ weight, food consumption No adverse systemic effect Effect No effect ervous Drowsiness, dizziness Effect No effect No effect	13 weeks (6h/c days/week) Exposure time 13 weeks (6h/c days/week) Exposure time 13 weeks (daily 13 weeks (6h/c days/week)	(male/female) day, 5 Rat (male/female) Species day, 5 Rat (male/female) Species y) Rat (male/female) day, 5 Rat (male/female)	Experiment value Value determinat Data waivin Data waivin Experiment value Annex VI Value determinat Read-across Experiment value Value determinat Value
Inhalation utanone Route of exposur Oral Dermal Inhalation (vapours) Inhalation (vapours) or oxide Route of exposur Oral (diet) Inhalation (aeroso 6-di-tert-butyl-p-cre Route of exposur	NOEC Parameter NOAEC Parameter NOEL NOAEL Sol Parameter	EPA OTS 798.2450 Method Equivalent to OECD 413 Method OECD 408 OECD 413	bw/day 350 ppm Value 5041 ppm STOT SE ca Value 3000 ppm 1.5 mg/m³	General Organ t.3 Central no system Organ air	organ weight, food consumption No adverse systemic effect Effect No effect ervous Drowsiness, dizziness Effect No effect No effect Effect Solution of the control o	13 weeks (6h/c days/week) Exposure time 13 weeks (6h/c days/week) Exposure time 13 weeks (daily 13 weeks (6h/c days/week)	(male/female) day, 5 Rat (male/female) Species day, 5 Rat (male/female) Species y) Rat (male/female) day, 5 Rat (male/female) Species Species	Experiment value Value determinat Data waivin Data waivin Experiment value Annex VI Value determinat Read-across Experiment value Value determinat Value
Inhalation utanone Route of exposur Oral Dermal Inhalation (vapours) Inhalation (vapours) or oxide Route of exposur Oral (diet) Inhalation (aeroso 6-di-tert-butyl-p-cre Route of exposur	NOEC Parameter NOAEC Parameter NOEL NOAEL Sol Parameter	EPA OTS 798.2450 Method Equivalent to OECD 413 Method OECD 408 OECD 413	bw/day 350 ppm Value 5041 ppm STOT SE ca Value 3000 ppm 1.5 mg/m³ Value 25 mg/kg	General Organ t.3 Central no system Organ air	organ weight, food consumption No adverse systemic effect Effect No effect ervous Drowsiness, dizziness Effect No effect No effect Effect Solution of the control o	13 weeks (6h/c days/week) Exposure time 13 weeks (6h/c days/week) Exposure time 13 weeks (daily 13 weeks (6h/c days/week)	(male/female) day, 5 Rat (male/female) Species day, 5 Rat (male/female) Species Alay, 5 Rat (male/female) Species Alay, 5 Rat (male/female) Species Alay, 5 Rat (male/female) Alay, 5 Rat (male) Rat (male/female) Rat (male/female) Alay, 5 Rat (male) Rat (male/female)	Experiment value Value determinat Data waivin Experiment value Annex VI Value determinat Read-across Experiment value Value determinat Value determinat Experiment value
Inhalation utanone Route of exposur Oral Dermal Inhalation (vapours) Inc oxide Route of exposur Oral (diet) Inhalation (aeroso 6-di-tert-butyl-p-cre Route of exposur Oral (diet)	NOEC Parameter NOAEC Parameter NOEL NOAEL Sol Parameter NOAEL	EPA OTS 798.2450 Method Equivalent to OECD 413 Method OECD 408 OECD 413	bw/day 350 ppm Value 5041 ppm STOT SE ca Value 3000 ppm 1.5 mg/m³ Value 25 mg/kg	General Organ t.3 Central no system Organ organ Organ Organ	organ weight, food consumption No adverse systemic effect Effect No effect ervous Drowsiness, dizziness Effect No effect No effect Effect Solution of the control o	13 weeks (6h/c days/week) Exposure time 13 weeks (6h/c days/week) Exposure time 13 weeks (daily 13 weeks (6h/c days/week) Exposure time	(male/female) day, 5 Rat (male/female) Species day, 5 Rat (male/female) Species And (male/female) Species And (male/female) Species Rat (male/female) Species Rat (male/female)	Experiment value Value determinat Data waivin Data waivin Experiment value Annex VI Value determinat Read-across Experiment value Value determinat Experiment value
Inhalation utanone Route of exposur Oral Dermal Inhalation (vapours) Inhalation (vapours) Oral (diet) Inhalation (aeroso inhalation (aero	NOEC Parameter NOAEC Parameter NOEL NOAEL Sol Parameter NOAEL	EPA OTS 798.2450 Method Equivalent to OECD 413 Method OECD 408 OECD 413	bw/day 350 ppm Value 5041 ppm STOT SE ca Value 3000 ppm 1.5 mg/m³ Value 25 mg/kg bw/day	General Organ t.3 Central no system Organ air	organ weight, food consumption No adverse systemic effect Effect No effect Prowsiness, dizziness Effect No effect No effect No effect No effect	13 weeks (6h/c days/week) Exposure time 13 weeks (6h/c days/week) Exposure time 13 weeks (daily 13 weeks (6h/c days/week)	(male/female) day, 5 Rat (male/female) Species day, 5 Rat (male/female) Species y) Rat (male/female) day, 5 Rat (male/female) Species Rat (male/female) Rat (male/female)	Experiments value Value determinati Data waivin Experiments value Annex VI Value determinati Read-across Experiments value Value determinati Experiments value Value determinati Experiments value
Inhalation Witanone Route of exposur Oral Dermal Inhalation (vapours) Incoxide Route of exposur Oral (diet) Inhalation (aeroso 6-di-tert-butyl-p-cre Route of exposur Oral (diet) Oral (diet) Route of exposur Route of exposur Oral (diet)	NOEC Parameter NOAEC Parameter NOEL NOAEL Sol Parameter NOAEL Parameter	EPA OTS 798.2450 Method Equivalent to OECD 413 Method OECD 408 OECD 413 Method	bw/day 350 ppm Value 5041 ppm STOT SE ca Value 3000 ppm 1.5 mg/m³ Value 25 mg/kg bw/day Value	General Organ t.3 Central no system Organ organ Organ Organ	organ weight, food consumption No adverse systemic effect Effect No effect Prowsiness, dizziness Effect No effect No effect No effect Effect Feet No effect Effect Feet No effect Effect Feet No effect	13 weeks (6h/cdays/week) Exposure time 13 weeks (6h/cdays/week) Exposure time 13 weeks (daily) 13 weeks (6h/cdays/week) Exposure time Exposure time	(male/female) day, 5 Rat (male/female) Species day, 5 Rat (male/female) Species V) Rat (male/female) day, 5 Rat (male/female) Species Rat (male/female) Species Rat (male/female) Species	Experiment value Value determinati Data waivin Experiment value Annex VI Value determinati Read-across Experiment value Value determinati Experiment value Value determinati Experiment value Value determinati
Inhalation utanone Route of exposur Oral Dermal Inhalation (vapours) Inc oxide Route of exposur Oral (diet) Inhalation (aeroso 6-di-tert-butyl-p-cre Route of exposur Oral (diet)	NOEC Parameter NOAEC Parameter NOEL NOAEL Sol Parameter NOAEL	EPA OTS 798.2450 Method Equivalent to 0ECD 413 Method OECD 408 OECD 413 Method Method Subchronic	bw/day 350 ppm Value 5041 ppm STOT SE ca Value 3000 ppm 1.5 mg/m³ Value 25 mg/kg bw/day	General Organ t.3 Central no system Organ organ Organ Organ	organ weight, food consumption No adverse systemic effect Effect No effect Prowsiness, dizziness Effect No effect No effect No effect No effect	13 weeks (6h/c days/week) Exposure time 13 weeks (6h/c days/week) Exposure time 13 weeks (daily 13 weeks (6h/c days/week) Exposure time	(male/female) day, 5 Rat (male/female) Species day, 5 Rat (male/female) Species At (male/female) day, 5 Rat (male/female) Species Rat (male/female) Species Rat (male/female) Species Rat (male/female) Rat (male/female)	Experiment value Value determinati Data waivin Experiment value Annex VI Value determinati Read-across Experiment value Value determinati Experiment value Value determinati Inconclusive
Inhalation Witanone Route of exposur Oral Dermal Inhalation (vapours) Inhalation (vapours) Oral (diet) Inhalation (aeroso Route of exposur Oral (diet) Inhalation (aeroso Route of exposur Oral (diet)	NOEC Parameter NOAEC Parameter NOEL NOAEL Sol Parameter NOAEL Parameter	EPA OTS 798.2450 Method Equivalent to OECD 413 Method OECD 408 OECD 413 Method	bw/day 350 ppm Value 5041 ppm STOT SE ca Value 3000 ppm 1.5 mg/m³ Value 25 mg/kg bw/day Value	General Organ t.3 Central no system Organ organ Organ Organ	organ weight, food consumption No adverse systemic effect Effect No effect Prowsiness, dizziness Effect No effect No effect No effect Effect Feet No effect Effect Feet No effect Effect Feet No effect	13 weeks (6h/cdays/week) Exposure time 13 weeks (6h/cdays/week) Exposure time 13 weeks (daily) 13 weeks (6h/cdays/week) Exposure time Exposure time	(male/female) day, 5 Rat (male/female) Species day, 5 Rat (male/female) Species V) Rat (male/female) day, 5 Rat (male/female) Species Rat (male/female) Species Rat (male/female) Species	Value determinati Value Data waivin Data waivin Experimenti value Annex VI Value determinati Read-across Experimenti value Value determinati Experimenti value Value determinati Inconclusive insufficient
Inhalation Witanone Route of exposur Oral Dermal Inhalation (vapours) Incoxide Route of exposur Oral (diet) Inhalation (aeroso 6-di-tert-butyl-p-cre Route of exposur Oral (diet) Oral (diet) Route of exposur Route of exposur Oral (diet)	NOEC Parameter NOAEC Parameter NOEL NOAEL Sol Parameter NOAEL Parameter	EPA OTS 798.2450 Method Equivalent to 0ECD 413 Method OECD 408 OECD 413 Method Method Subchronic	bw/day 350 ppm Value 5041 ppm STOT SE ca Value 3000 ppm 1.5 mg/m³ Value 25 mg/kg bw/day Value	General Organ t.3 Central no system Organ organ Organ Organ	organ weight, food consumption No adverse systemic effect Effect No effect Prowsiness, dizziness Effect No effect No effect No effect Effect Feet No effect Effect Feet No effect Effect Feet No effect	13 weeks (6h/cdays/week) Exposure time 13 weeks (6h/cdays/week) Exposure time 13 weeks (daily) 13 weeks (6h/cdays/week) Exposure time Exposure time	(male/female) day, 5 Rat (male/female) Species day, 5 Rat (male/female) Species At (male/female) day, 5 Rat (male/female) Species Rat (male/female) Species Rat (male/female) Species Rat (male/female) Rat (male/female)	Value Experiment: value Value determinat: Data waivin Experiment: value Annex VI Value determinat: Read-across Experiment: value Value determinat: Experiment: value Value determinat: Value determinat: Value determinat: Value

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Date of revision: 2015-10-19

Route of exposure		oalkanes, cyclics, Method	Value	Organ	Effect	Exposure time	Species	Value
Route of exposure	rarameter	ivietriou	value	Organ	LITEGE	Exposure time	Species	determinat
Inhalation (vapours)	NOAEC	Other	4200 mg/m³ air		No effect	3 days (8h/day)	Rat (male)	Experiment value
Inhalation (vapours)	NOAEC	Equivalent to OECD 413	6646 ppm		No effect	13 weeks (6h/day, 5 days/week)	Rat (male/female)	Read-acros
Inhalation (vapours)	NOAEC	Equivalent to OECD 413	2220 ppm		No effect	13 weeks (6h/day, 5 days/week)	Rat (male/female)	Read-acros
Inhalation (vapours)	LOAEC	Other	14 g/m³	Central nervous	Behavioural disturbances	3 days (8h/day)	Rat (male)	Experiment value
-tert-butylphenol				System	distarbances			value
Route of exposure	Parameter	Method	Value	Organ	Effect	Exposure time	Species	Value determinat
Oral (diet)	NOAEL	Equivalent to OECD 408	50 mg/kg bw/day		No effect	14 week(s)	Rat (male/female)	Experiment value
Oral (diet)	LOAEL	Equivalent to OECD 408	150 mg/kg bw/day	Liver	Morphologica transformatio		Rat (male/female)	Experiment value
Oral (stomach tube)	NOAEL	OECD 422	60 mg/kg bw/day		No effect		Rat (male/female)	Experiment value
Dermal								Data waivir
Inhalation lassification is based o								Data waivir
nclusion May cause drowsiness of the classified for subchigenicity (in vitro) x Montage Neoprene to test) do test) data on the mi	ronic to <mark>xici</mark> l	ty						
thyl acetate							1	
Result		Method		Test substrate		Effect	Value dete	
Negative with meta activation, negative metabolic activation	without	Equivalent to OE	CD 473	Chinese hamster	ovary (CHO) I	No effect	Experimental value	
Negative		Equivalent to OE	CD 471	Bacteria (S.typhii	murium) l	No effect	Experimen	tal value
<u>utanone</u>								
Result		Method	00.470	Test substrate		Effect	Value dete	
Negative Negative with meta		Equivalent to OE Equivalent to OE		Rat liver cells Mouse (lymphor		No effect No effect	Experimen Experimen	
activation, negative metabolic activation	without	Equivalent to OE		cells)	IIa L31761 I	vo enect	Experimen	tai value
Negative with meta activation, negative metabolic activation	without	Equivalent to OE	CD 471	Bacteria (S.typhii	murium) l	No effect	Experimen	tal value
inc oxide							I.	
Result		Method		Test substrate		Effect	Value dete	rmination
Negative with meta activation, negative metabolic activation	without	Equivalent to OE	CD 471	Bacteria (S.typhii	murium) l	No effect	Experimen	tal value
,6-di-tert-butyl-p-cres								
Result		Method		Test substrate		Effect	Value dete	
Negative		Ames test Equivalent to OE		Bacteria (S.typhii Chinese hamster	•	No effect No effect	Experimen Experimen	
Negative Negative		Equivalent to OE		Chinese hamster			Experimen	
olophony					a. , (crio) i	12 0.1000	Experimen	
Result		Method		Test substrate		Effect	Value dete	rmination
Negative with meta activation, negative	bolic without	OECD 471		Bacteria (S.typhii		No effect	Experimen	
metabolic activation Negative		OECD 476		Mouse (lymphor cells)	ma L5178Y	No effect	Experimen	tal value
Negative		OECD 473		Human lymphoc	ytes I	No effect	Experimen	tal value
ydrocarbons, C6-C7, n								
Result		Method		Test substrate		Effect	Value dete	
Negative		Equivalent to OE		Rat liver cells		No effect	Read-acros	
Negative		Equivalent to OE	CD 471	Bacteria (S.typhii		No effect	Read-acros	
		OECD 476				No effect	Read-acros	is
Negative								
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		_							•					
∆-t	ert-butylpheno	nl I												
4-0	Result	21	Method	ı			Test subst	trato		Effect		Value	dotorr	mination
	Negative with activation, ne metabolic act	gative withou <mark>t</mark>	OECD 4	76			Mouse (ly cells)	mphoma	L5178Y	No effect		Exper	imenta	l value
	Negative with	metabolic gative without	OECD 4	73			Rat lymph	ocytes		No effect		Exper	rimenta	l value
	Negative with	metabolic gative without		ent to Ol	ECD 471		Bacteria (S	S.typhim	urium)	No effect		Exper	rimenta	l value
Mutage	nicity (in vivo)													
	Montage Neor	orene the mixture ava	ailable											
	yl acetate			اد د داد د ۱		I	Aims s	4	Tank avilant		lo		Maha	. data-maination
	Result			Method	0505	Expo	sure time		Test subst		Organ			edetermination
la	Negative			quivale 174	nt to OECD				Mouse (ma	ale)			Expe	rimental value
bu	Result			Viethod		Fyna	ura tima		Toot oubot		Organ		Volus	e determination
	Negative		E	Equivale	nt to OECD	Expo	sure time		Test subst	ale/female)	Organ			rimental value
<u>zin</u>	<u>c oxide</u>		4	174										
	Result			Viethod		Expos	sure time		Test subst	rate	Organ		Value	edetermination
	Negative			OECD 47	4				Mouse (ma	ale)	Bone mar	row	Expe	rimental value
2,6	-di-tert-butyl-ı	o-cresol											•	
	Result			Viethod		Expos	sure time		Test subst	rate	Organ		Value	edetermination
	Negative			Chromos			ks (daily)		Mouse (ma		- · · ·			rimental value
	Negative			aberratio Micronu	on assay cleus test				Mouse (fe	male)	Bone mar	row	Expe	rimental value
4-t	ert-butylpheno	ol												
	Result		ĺ	Viethod		Expos	sure time		Test subst	rate	Organ		Value	edetermination
	Negative			DECD 47	Δ	24, 4				ale/female)	Bone mar	row		-across
No	Montage Neor (test)data on : -di-tert-butyl-	the mixture ava	ailable											
	Route of exposure		Method		Value		Exposure	time	Species	Effe	ct	Organ		Value determination
	Oral		Not furthed				104 week	(s)	Rat (male/fe		carcinogenic ct			Experimental value
col	ophony								U'					
	Route of exposure	Parameter	Method		Value		Exposure	time	Species	Effe	ct	Organ		Value determination
	Inhalation													Data waiving
	Dermal Oral													Data waiving Data waiving
1 _+	ert-butylphen							_						Data Walving
4-0	Route of exposure Inhalation		Method		Value		Exposure	time	Species	Effe	ct	Organ		Value determination Data waiving
	Dermal											1		Data waiving
	Oral													Data waiving
Reprodu	ctive toxicity													
	Montage Neor													
No	(test)data on	the mixture a <mark>va</mark>	ailable											
									_					
Reason	for revision: 2.	2					-			Publication d	ate: 2007-09	-13		
	or revision. Z.						Publication date: 2007-09-13 Date of revision: 2015-10-19							

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<u>hyl acetate</u>	Parameter	Method	Value	Exposure time	Species	Effect	Organ	Value
	raiaiiietei	ivietriou	value	Exposure time	Species	Ellect	Organ	determination
Developmental toxicity	NOAEL	Equivalent to OECD 414	> 3600 mg/kg bw/day	7 day(s)	Mouse	No effect	Foetus	Read-across
Maternal toxicity	NOAEL	Equivalent to OECD 414	2200 mg/kg bw/day	8-14 days (gestation, daily)	Mouse	No effect		Read-across
	LOAEL	Equivalent to OECD 414	3600 mg/kg bw/day	8-14 days (gestation, daily)	Mouse	Mortality	General	Read-across
Effects on fertility	NOAEL	Other	1500 ppm	13 weeks (6h/day, 5 days/week)	Rat (male)	Reduction in sperm motility	Testes	Experimental value
tanone	.	h	h	L	lo ·	less .	lo.	h
	Parameter	Method	Value	Exposure time	species	Effect	Organ	Value determinatio
Developmental toxicity	NOAEC	Equivalent to OECD 414	1002 ppm	10 days (7h/day)	Rat	No effect	Foetus	Experimental value
Maternal toxicity	NOAEC	Equivalent to OECD 414	1002 ppm	10 days (7h/day)	Rat (female)	No effect		Experimental value
Effects on fertility	NOAEL	Equivalent to OECD 416	1644 mg/kg bw/day - 1771 mg/kg bw/day		Rat (male/female)	No effect		Read-across
c oxide								
	Parameter	Method	Value	·	Species	Effect	Organ	Value determinatio
Developmental toxicity	NOAEC	OECD 414	7.5 mg/kg bw/day	14 days (6h/day)	Rat	No effect	Foetus	Experimental value
Maternal toxicity	NOAEC	OECD 414	7.5 mg/kg bw/day	14 days (6h/day)	Rat	No effect		Experimental value
Effects on fertility	NOAEL (F1)	Equivalent to OECD 416	7.5 mg/kg bw/day	22 weeks (daily)	Rat (male/female)	No effect		Read-across
i-di-tert-butyl-p-cresol		10 - 0 - 1 - 0		neey	()		1	
	Parameter	Method	Value	Exposure time	Species	Effect	Organ	Value determination
Developmental toxicity	NOAEL	Equivalent to OECD 414	375 mg/kg bw/day		Rat (female)	No effect	Foetus	Experimental value
Maternal toxicity	NOAEL	Equivalent to OECD 414	93.5 mg/kg bw/day		Rat (female)	No effect		Experimental value
Effects on fertility	NOAEL		500 mg/kg bw/day		Rat (female)	No effect		Experimental value
	NOAEL		100 mg/kg bw/day		Rat (male)	No effect		Experimental value
ophony								
	Parameter	Method	Value	Exposure time	Species	Effect	Organ	Value determinatio
Developmental toxicity	NOAEL (F1)	OECD 421	3000 ppm	30-45 day(s)	Rat (male/female)	No effect		Experimental value
Effects on fertility	NOAEL (P)	OECD 421	3000 ppm	30-45 day(s)	Rat (male/female)	No effect		Experimental value
drocarbons, C6-C7, n-alka								
	Parameter	Method	Value	Exposure time	Species	Effect	Organ	Value determination
Developmental toxicity	NOAEC	Other	≥ 1200 ppm	10 days (6h/day)	Rat	No effect		Read-across
	NOAEL	Equivalent to OECD 414	3000 ppm	10 days (6h/day)	Mouse	No effect		Read-across
	LOAEL	Equivalent to OECD 414	9000 ppm	10 days (6h/day)	Mouse	Minor skeletal variations	Skeleton	Read-across
Maternal toxicity	NOAEC		1200 ppm		Rat (female)	No effect		Read-across
	NOAEL	Equivalent to OECD 414	900 ppm	10 days (6h/day)	Rat (female)	No effect		Read-across
	LOAEL	Equivalent to OECD 414	3000 ppm	10 days (6h/day)	Rat (female)	Lung tissue affection/degen eration	Lungs	Read-across
Effects on fertility	NOAEL (P/F1)	Equivalent to OECD 416	9000 ppm		Rat (male/female)	No effect		Read-across
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4-tert-butylphenol

	Parameter	Method	Value	Exposure time	Species	Effect	Organ	Value determination
Developmental toxicity	NOAEL	OECD 414	≥ 300 mg/kg bw/day	10 day(s)	Rat	No effect		Read-across
Maternal toxicity	NOAEL	OECD 414	75 mg/kg bw/day	10 day(s)	Rat	No effect		Read-across
Effects on fertility	NOEL	OECD 416	800 ppm		Rat (male/female)	No effect		Experimental value

Judgement is based on the relevant ingredients

Conclusion CMR

Not classified for carcinogenicity

Not classified for mutagenic or genotoxic toxicity Not classified for reprotoxic or developmental toxicity

Toxicity other effects

T-Rex Montage Neoprene

No (test)data on the mixture available

ethyl acetate

Parameter	Method	Value	Organ	Effect	Exposure time	 Value determination
			Skin	Skin dryness or cracking		Literature

butanone

Parameter	Method	Value	Organ	Effect	Exposure time	Value determination
	Equivalent to OECD		Skin	Skin dryness or		Read-across
	404			cracking		

Chronic effects from short and long-term exposure

T-Rex Montage Neoprene
ON CONTINUOUS/REPEATED EXPOSURE/CONTACT: Skin rash/inflammation.

SECTION 12: Ecological information

12.1. Toxicity

T-Rex Montage Neoprene

No (test)data on the mixture available

ethyl acetate

		Parameter	Method	Value	Duration	Species	Test design	Fresh/salt water	Value determination
Acute toxicity fishes		LC50	US EPA	230 mg/l	96 h	Pimephales promelas	Flow-through system	Fresh water	Experimental value
Acute toxicity invertebrates		EC50		154 mg/l	48 h	Daphnia magna			Literature
Toxicity algae and other aqua plants	atic	NOEC	OECD 201	> 100 mg/l	72 h	Scenedesmus subspicatus	Static system	Fresh water	Experimental value; Growth rate
Long-term toxicity fish		NOEC	ECOSAR v1.00	6.3 mg/l	32 day(s)	Pisces		Fresh water	QSAR
		NOEC	OECD 210	< 9.65 mg/l	32 day(s)	Pimephales promelas	Flow-through system	Fresh water	Experimental value; Growth rate
Long-term toxicity aquatic invertebrates		NOEC	Equivalent to OECD 211	2.4 mg/l	21 day(s)	'	Semi-static system	Fresh water	Experimental value; Reproduction
Toxicity aquatic micro- organisms		EC50		<mark>5870</mark> mg/l	15 minutes	Photobacterium phosphoreum	Static system	Salt water	Experimental value; Inhibitory
<u>utanone</u>						1			<u> </u>

	Parameter	Method	Value	Duration	Species		Fresh/salt water	Value determination
Acute toxicity fishes	LC50	OECD 203	2993 mg/l		Pimephales promelas	Static system	Fresh water	Experimental value; GLP
Acute toxicity invertebrates	EC50	OECD 202	308 mg/l	48 h	Daphnia magna	Static system	Fresh water	Experimental value; GLP
Toxicity algae and other aquatic plants	ErC50	OECD 201	1972 mg/l	72 h	Pseudokirchnerie Ila subcapitata	Static system	Fresh water	Experimental value; GLP
Toxicity aquatic micro- organisms	EC0	DIN 38412-8	1150 mg/l		Pseudomonas putida	Static system	Fresh water	Experimental value

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zinc oxide

	Parameter	Method	Value	Duration	Species	Test design	Fresh/salt water	Value determination
Acute toxicity fishes	LC50	ASTM E729- 88	0.169 mg/l	96 h	Oncorhynchus mykiss	Static system	Fresh water	Read-across; Zinc io
Acute toxicity invertebrates	EC50	OECD 202	1.7 mg/l - 9 mg/l	48 h	Daphnia magna	Static system	Fresh water	Experimental value Zinc ion
Toxicity algae and other aquatic plants	IC50	OECD 201	0.136 mg/l	72 h	Pseudokirchnerie lla subcapitata	Static system	Fresh water	Experimental value Zinc ion
	NOEC	OECD 201	0.024 mg/l	3 day(s)	Pseudokirchnerie lla subcapitata		Fresh water	Experimental value Zinc ion
Long-term toxicity fish	NOEC	OECD 215	0.039 mg/l - 0.095 mg/l	30 day(s)	Oncorhynchus mykiss	Flow-through system	Fresh water	Read-across; Zinc io
Long-term toxicity aquatic invertebrates	NOEC	OECD 211	0.048 mg/l - 0.156 mg/l	21 day(s)	Daphnia magna	Semi-static system	Fresh water	Read-across; Zinc i
Toxicity aquatic micro- organisms	EC50	OECD 209	> 1000 mg/l	3 h	Activated sludge	Static system	Fresh water	Experimental value GLP
6-di-tert-butyl-p-cresol								
	Parameter	Method	Value	Duration	Species	Test design	Fresh/salt water	Value determinati
Acute toxicity fishes	LC0	EU Method C.1	≥ 0.57 mg/l	96 h	Brachydanio rerio	Semi-static system	Fresh water	Experimental value GLP
	LC50	ECOSAR v1.00	0.199 mg/l	96 h	Pisces			QSAR
Acute toxicity invertebrates	EC50	OECD 202	0.48 mg/l	48 h	Daphnia magna	Static system	Fresh water	Experimental value GLP
	NOEC	OECD 202	0.15 mg/l	48 h	Daphnia magna	Static system	Fresh water	Experimental value
Toxicity algae and other aqu <mark>atic</mark> plants	EC50	ECOSAR v1.00	0.758 mg/l	96 h	Algae			Calculated value
Long-term toxicity fish	NOEC	ECOSAR v1.00	0.041 mg/l		Pisces			Calculated value; Chronic
Long-term toxicity aquatic invertebrates	NOEC	OECD 202	0.316 mg/l	21 day(s)	Daphnia magna	Semi-static system	Fresh water	Experimental valu GLP
Toxicity aquatic micro- organisms	EC50		1.7 mg/l	24 h	Tetrahymena pyriformis	Static system	Fresh water	Experimental valu
lophony								
	Parameter	Method	Value	Duration	Species	Test design	Fresh/salt water	Value determinat
Acute toxicity fishes	LC50	OECD 203	1 mg/l - 10 mg/l	96 h	Brachydanio rerio	Semi-static system	Fresh water	Experimental valu GLP
Acute toxicity invertebrates	EC50	OECD 202	911 mg/l	48 h	Daphnia magna	Static system	Fresh water	Experimental valu GLP
Toxicity algae and other aqu <mark>atic</mark> plants	ErC50	OECD 201	> 1000 mg/l	72 h	Selenastrum capricornutum	Static system	Fresh water	Experimental valu GLP
Toxicity aquatic micro- organisms	EC50	OECD 209	> 10000 mg/l	3 h	Activated sludge	Static system	Fresh water	Experimental valu GLP
drocarbons, C6-C7, n-alkane <mark>s, is</mark>	oalkanes, cyc	lics, < 5% n-hex	<u>ane</u>					
	Parameter	Method	Value	Duration	Species	Test design	Fresh/salt water	Value determinat
Acute toxicity fishes	LL50	OECD 203	11.4 mg/l WAF	96 h	Oncorhynchus mykiss	Semi-static system	Fresh water	Experimental valu
Acute toxicity invertebrates	EL50	OECD 202	3.0 mg/l WAF		Daphnia magna	Static system	Fresh water	Experimental valu GLP
Toxicity algae and other aqu <mark>atic</mark> plants	ErC50	OECD 201	30 mg/l WAF - 100 mg/l		Pseudokirchnerie lla subcapitata	Static system	Fresh water	Experimental valu GLP
Long-term toxicity fish	NOELR		2.045 mg/l	28	Oncorhynchus mykiss		Fresh water	QSAR
Long-term toxicity aquatic invertebrates	NOEC	OECD 211	0.17 mg/l WAF	21 day(s)	Daphnia magna	Static system	Fresh water	Read-across
	LOEC	OECD 211	0.32 mg/l WAF	21 day(s)	Daphnia magna	Static system	Fresh water	Read-across
Toxicity aquatic micro- organisms	EL50		35.57 mg/l	48 h	Tetrahymena pyriformis		Fresh water	QSAR; Growth inhibition
	NOELR		7.959 mg/l	48 h	Tetrahymena pyriformis		Fresh water	QSAR; Growth inhibition

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	Parameter	Method	Value		Duration	Specie	S	Test de	esign	Fresh/salt water	Value detern
Acute toxicity fishes	LC50		5.14 m	ıg/l	96 h	Pimepl					Measured concentration
	LC50	Equivalent to	1 mg/l	10	96 h		nynchus	Semi-st	tatic	Fresh water	Similar produ
	LCSU	OECD 203		- 10	96 11	mykiss	•			Fresh water	Nominal
		OECD 203	mg/l			IIIykiss		system			concentration
Asuta tavisity invertabrates	ECEO		2 0 mg	. /1	48 h	Danhn	ia magna				concentration
Acute toxicity invertebrates	EC50	0500 202	3.9 mg			_	ia magna	CL - L'		First street	F
	EC50	OECD 202	4.8 mg	: /I	48 h	Daphn	ia magna	Static s	ystem	Fresh water	Experimental
				,					_		GLP
Toxicity algae and other aqu <mark>at</mark>	ic EC50		11.2 m	ıg/I	72 h		desmus				Growth rate
plants						subspi					
	ErC50	OECD 201	14 mg/	/I	72 h			Static s	ystem	Fresh water	Experimental
							capitata				GLP
Long-term toxicity fish	NOEC	Equivalent to	10 μg/	I	128 day(s)	Pimepl		Flow-th	nrough	Fresh water	Experimental
		OECD 210				prome		system			GLP
Long-term toxicity aquatic	NOEC	Equivalent to	0.73 m	ıg/l	21 day(s)	Daphn	ia magna	Semi-s	tatic	Fresh water	Experimental
invertebrates		OECD 211						system			Nominal
											concentration
Toxicity aquatic micro-	EC50	Equivalent to	> 10 m	g/l	3 h	Activat	ted sludge			Fresh water	Experimental
organisms		OECD 209									
		. h		L.						•	h
	Parameter	Method		Va	alue	Du	ration		Specie	S	Value determ
Toxicity soil macro-organisms											Data waiving
Toxicity soil micro-organisms											Data waiving
Toxicity terrestrial plants				T							Data waiving
Toxicity birds											Data waiving
hyl acetate Biodegradation water											
		Value			Durat	tion			Val	lue determina	ution
Method	act	Value			Durat					lue determina	
Method OECD 301B: CO2 Evolution T		93.9 %			28 da	y(s)			Exp	perimental val	ue
Method OECD 301B: CO2 Evolution T OECD 301D: Closed Bottle Te	est					y(s)			Exp		ue
Method OECD 301B: CO2 Evolution T OECD 301D: Closed Bottle Te Phototransformation air (DT5	est	93.9 % 100 %			28 da 28 da	y(s) y(s)	icals		Ext	perimental val perimental val	ue ue
Method OECD 301B: CO2 Evolution T OECD 301D: Closed Bottle Te	est	93.9 % 100 % Value			28 da 28 da Conc.	y(s) y(s) OH-rad	icals		Exp Exp Val	perimental val perimental val lue determina	ue ue
Method OECD 301B: CO2 Evolution T OECD 301D: Closed Bottle Te Phototransformation air (DT5 Method	est	93.9 % 100 %			28 da 28 da Conc.	y(s) y(s)	icals		Ext	perimental val perimental val lue determina	ue ue
Method OECD 301B: CO2 Evolution T OECD 301D: Closed Bottle Te Phototransformation air (DT5 Method utanone	est	93.9 % 100 % Value			28 da 28 da Conc.	y(s) y(s) OH-rad	icals		Exp Exp Val	perimental val perimental val lue determina	ue ue
Method OECD 301B: CO2 Evolution T OECD 301D: Closed Bottle Te Phototransformation air (DT5 Method utanone Biodegradation water	est	93.9 % 100 % Value 40 h			28 da 28 da Conc. 50000	y(s) y(s) OH-radi	icals		Exp Exp Val QS	perimental val perimental val lue determina AR	ue ue ition
Method OECD 301B: CO2 Evolution T OECD 301D: Closed Bottle Te Phototransformation air (DT5 Method utanone Biodegradation water Method	est O air)	93.9 % 100 % Value 40 h			28 da 28 da Conc. 50000	y(s) y(s) OH-rad 00 /cm ³	icals		Exp Exp Val	perimental val perimental val lue determina AR lue determina	ue ue ition
Method OECD 301B: CO2 Evolution T OECD 301D: Closed Bottle Te Phototransformation air (DT5 Method utanone Biodegradation water Method OECD 301D: Closed Bottle Te	est O air)	93.9 % 100 % Value 40 h			28 da 28 da Conc. 50000	y(s) y(s) OH-radi	icals		Exp Exp Val	perimental val perimental val lue determina AR	ue ue ition
Method OECD 301B: CO2 Evolution T OECD 301D: Closed Bottle Te Phototransformation air (DT5 Method Itanone Biodegradation water Method OECD 301D: Closed Bottle Te 6-di-tert-butyl-p-cresol	est O air)	93.9 % 100 % Value 40 h			28 da 28 da Conc. 50000	y(s) y(s) OH-radi	icals		Exp Exp Val	perimental val perimental val lue determina AR lue determina	ue ue ition
Method OECD 301B: CO2 Evolution T OECD 301D: Closed Bottle Te Phototransformation air (DT5 Method utanone Biodegradation water Method OECD 301D: Closed Bottle Te 6-di-tert-butyl-p-cresol Biodegradation water	est O air)	93.9 % 100 % Value 40 h			28 da 28 da Conc. 50000	y(s) y(s) OH-radi	icals		Val	perimental val perimental val lue determina AR lue determina perimental val	ue ue ution ution ution
Method OECD 301B: CO2 Evolution T OECD 301D: Closed Bottle Te Phototransformation air (DT5 Method Itanone Biodegradation water Method OECD 301D: Closed Bottle Te 6-di-tert-butyl-p-cresol	est O air)	93.9 % 100 % Value 40 h			28 da 28 da Conc. 50000	y(s) y(s) OH-rad 00 /cm³ tion y(s)	icals		Val	perimental val perimental val lue determina AR lue determina	ue ue ution ution ution
Method OECD 301B: CO2 Evolution T OECD 301D: Closed Bottle Te Phototransformation air (DT5 Method utanone Biodegradation water Method OECD 301D: Closed Bottle Te 6-di-tert-butyl-p-cresol Biodegradation water	est 0 air)	93.9 % 100 % Value 40 h Value 98 %; GLP			28 da 28 da Conc. 50000 Durat 28 da	y(s) y(s) OH-rad 00 /cm³ tion y(s)	icals		Val	perimental val perimental val lue determina AR lue determina perimental val	ue ue ution ution ue
Method OECD 301B: CO2 Evolution T OECD 301D: Closed Bottle Te Phototransformation air (DT5 Method utanone Biodegradation water Method OECD 301D: Closed Bottle Te 6-di-tert-butyl-p-cresol Biodegradation water Method OECD 301C: Modified MITI T	est O air) est	93.9 % 100 % Value 40 h Value 98 %; GLP			28 da 28 da Conc. 50000 Durat 28 da	y(s) y(s) OH-rad 00 /cm³ tion y(s)	icals		Val	perimental val perimental val lue determina AR lue determina perimental val lue determina	ue ue ution ution ue
Method OECD 301B: CO2 Evolution T OECD 301D: Closed Bottle Te Phototransformation air (DT5 Method utanone Biodegradation water Method OECD 301D: Closed Bottle Te 6-di-tert-butyl-p-cresol Biodegradation water Method Method	est O air) est	93.9 % 100 % Value 40 h Value 98 %; GLP Value 4.5 %			28 da 28 da Conc. 50000 Durat 28 da Durat 28 da	y(s) y(s) OH-rad 00 /cm³ tion y(s)			Val	perimental val perimental val lue determina AR lue determina perimental val lue determina perimental val	ue ue ution ution ue ution
Method OECD 301B: CO2 Evolution T OECD 301D: Closed Bottle Te Phototransformation air (DT5 Method Itanone Biodegradation water Method OECD 301D: Closed Bottle Te 6-di-tert-butyl-p-cresol Biodegradation water Method OECD 301C: Modified MITI T Phototransformation air (DT5 Method	est O air) est	93.9 % 100 % Value 40 h Value 98 %; GLP Value 4.5 %			28 da 28 da Conc. 50000 Durat 28 da Durat 28 da Conc. Conc.	y(s) y(s) OH-rad 00 /cm³ tion y(s) tion y(s) OH-rad			Val Exp Val Exp Val Exp Val Exp Val	perimental val perimental val lue determina AR lue determina perimental val lue determina perimental val	ue ue ution ution ue ution ue
Method OECD 301B: CO2 Evolution T OECD 301D: Closed Bottle Te Phototransformation air (DT5 Method Itanone Biodegradation water Method OECD 301D: Closed Bottle Te 6-di-tert-butyl-p-cresol Biodegradation water Method OECD 301C: Modified MITI T Phototransformation air (DT5 Method AOPWIN v1.92	est O air) est	93.9 % 100 % Value 40 h Value 98 %; GLP Value 4.5 %			28 da 28 da Conc. 50000 Durat 28 da Durat 28 da	y(s) y(s) OH-rad 00 /cm³ tion y(s) tion y(s) OH-rad			Val Exp Val Exp Val Exp Val Exp Val	perimental val perimental val lue determina AR lue determina perimental val lue determina perimental val	ue ue ution ution ue ution ue
Method OECD 301B: CO2 Evolution T OECD 301D: Closed Bottle Te Phototransformation air (DT5 Method OECD 301D: Closed Bottle Biodegradation water Method OECD 301D: Closed Bottle Te 6-di-tert-butyl-p-cresol Biodegradation water Method OECD 301C: Modified MITI T Phototransformation air (DT5 Method AOPWIN v1.92 Biodegradation soil	est O air) est	93.9 % 100 % Value 40 h Value 98 %; GLP Value 4.5 % Value 7.02 h			28 da 28 da Conc. 50000 Durat 28 da Durat 28 da Conc. 1.5E6	y(s) y(s) OH-rad 00 /cm³ tion y(s) tion y(s) OH-rad 6 /cm³			Val Exp Val Exp Val Exp Val Exp Val Exp	derimental value determina derimental value determina derimental value determina derimental value determina derimental value determina decimental value	ue ue ution ution ue ution ue
Method OECD 301B: CO2 Evolution T OECD 301D: Closed Bottle Te Phototransformation air (DT5 Method Itanone Biodegradation water Method OECD 301D: Closed Bottle Te 6-di-tert-butyl-p-cresol Biodegradation water Method OECD 301C: Modified MITI T Phototransformation air (DT5 Method AOPWIN v1.92	est O air) est	93.9 % 100 % Value 40 h Value 98 %; GLP Value 4.5 % Value 7.02 h			28 da 28 da Conc. 50000 Durat 28 da Durat 28 da Conc. 1.5E6	y(s) y(s) OH-rad outline y(s) tion y(s) OH-rad is /cm³			Val Exp Val QS Val Exp Val Exp Val Exp Val Exp Val Cal	lue determina berimental val lue determina AR lue determina berimental val lue determina berimental val lue determina lue determina	ue ue ution ution ue ution ue ution
Method OECD 301B: CO2 Evolution T OECD 301D: Closed Bottle Te Phototransformation air (DT5 Method OECD 301D: Closed Bottle Biodegradation water Method OECD 301D: Closed Bottle Te 6-di-tert-butyl-p-cresol Biodegradation water Method OECD 301C: Modified MITI T Phototransformation air (DT5 Method AOPWIN v1.92 Biodegradation soil Method	est O air) est	93.9 % 100 % Value 40 h Value 98 %; GLP Value 4.5 % Value 7.02 h			28 da 28 da Conc. 50000 Durat 28 da Durat 28 da Conc. 1.5E6	y(s) y(s) OH-rad outline y(s) tion y(s) OH-rad is /cm³			Val Exp Val QS Val Exp Val Exp Val Exp Val Exp Val Cal	derimental value determina derimental value determina derimental value determina derimental value determina derimental value determina decimental value	ue ue ution ution ue ution ue ution
Method OECD 301B: CO2 Evolution T OECD 301D: Closed Bottle Te Phototransformation air (DT5 Method DECD 301D: Closed Bottle Te Biodegradation water Method OECD 301D: Closed Bottle Te 6-di-tert-butyl-p-cresol Biodegradation water Method OECD 301C: Modified MITI T Phototransformation air (DT5 Method AOPWIN v1.92 Biodegradation soil Method Half-life water (t1/2 water)	est O air) est	93.9 % 100 % Value 40 h Value 98 %; GLP Value 4.5 % Value 7.02 h Value 63.82 %			28 da 28 da 28 da Conc. 50000 Durat 28 da Durat 28 da Conc. 1.5E6 Durat 1 day	y(s) y(s) OH-rad 00 /cm³ tion y(s) OH-rad i /cm³ tion (s)			Val Exp Exp	derimental value determina derimental value determina derimental value determina derimental value determina decimental value determina decimental value determina decimental value determina derimental value determina derimental value determina derimental value determina derimental val	ue ue ution ution ue ution ue ution ue
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Method OECD 301B: CO2 Evolution T OECD 301D: Closed Bottle Te Phototransformation air (DT5 Method OECD 301D: Closed Bottle Biodegradation water Method OECD 301D: Closed Bottle Te 6-di-tert-butyl-p-cresol Biodegradation water Method OECD 301C: Modified MITI T Phototransformation air (DT5 Method AOPWIN v1.92 Biodegradation soil Method Half-life water (t1/2 water) Method	est O air) est	93.9 % 100 % Value 40 h Value 98 %; GLP Value 4.5 % Value 7.02 h Value 63.82 % Value			28 da 28 da 28 da Conc. 50000 Durat 28 da Durat 28 da Conc. 1.5E6 Durat 1 dayi Prima degra	y(s) y(s) OH-rad OO /cm³ tion y(s) tion y(s) OH-rad o /cm³ tion (s)	icals mineralisa	tion	Val	derimental value determina determina derimental value determina	ue ue ution ution ue ution ue ution ue
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Method OECD 301B: CO2 Evolution T OECD 301D: Closed Bottle Te Phototransformation air (DT5 Method Itanone Biodegradation water Method OECD 301D: Closed Bottle Te 6-di-tert-butyl-p-cresol Biodegradation water Method OECD 301C: Modified MITI T Phototransformation air (DT5 Method AOPWIN v1.92 Biodegradation soil Method Half-life water (t1/2 water) Method BIOWIN 4.10 Half-life soil (t1/2 soil) Method EPI Suite	est O air) est	93.9 % 100 % Value 40 h Value 98 %; GLP Value 4.5 % Value 7.02 h Value 63.82 % Value 37.5 day(s); Q Value	SAR		28 da 28 da 28 da Conc. 50000 Durat 28 da Durat 28 da Conc. 1.5E6 Durat 1 dayi Prima degra Prima degra	y(s) y(s) y(s) OH-rad y(s) tion y(s) OH-rad y(s) OH-rad y(s) ord y(s) ary dation/gry degra	icals mineralisa dation mineralisa		Val	lue determinate value va	ue ue ution ution ue ution ue ution ue ution ue ution
Method OECD 301B: CO2 Evolution T OECD 301D: Closed Bottle Te Phototransformation air (DT5 Method Itanone Biodegradation water Method OECD 301D: Closed Bottle Te 6-di-tert-butyl-p-cresol Biodegradation water Method OECD 301C: Modified MITI T Phototransformation air (DT5 Method AOPWIN v1.92 Biodegradation soil Method Half-life water (t1/2 water) Method BIOWIN 4.10 Half-life soil (t1/2 soil) Method EPI Suite Half-life air (t1/2 air)	est O air) est	93.9 % 100 % Value 40 h Value 98 %; GLP Value 4.5 % Value 7.02 h Value 63.82 % Value 37.5 day(s); Q Value 75 day(s)	SAR		28 da 28 da 28 da Conc. 50000 Durat 28 da Durat 28 da Conc. 1.5E6 Durat 1 dayi Prima degra Prima Prima	y(s) y(s) y(s) OH-rad OO /cm³ tion y(s) tion y(s) OH-rad o /cm³ tion (s) ary dation/dary degra	icals mineralisa dation mineralisa		Val Exp Val Exp Val Exp Val Exp Val Cal Cal	lue determina berimental val lue determina AR lue determina berimental val lue determina berimental val lue determina culated value lue determina lue determina lue determina lue determina	ue ue ution ution ue ution ue ution ue ution ue ution ue tion
Method OECD 301B: CO2 Evolution T OECD 301D: Closed Bottle Te Phototransformation air (DT5 Method Itanone Biodegradation water Method OECD 301D: Closed Bottle Te 6-di-tert-butyl-p-cresol Biodegradation water Method OECD 301C: Modified MITI T Phototransformation air (DT5 Method AOPWIN v1.92 Biodegradation soil Method Half-life water (t1/2 water) Method BIOWIN 4.10 Half-life soil (t1/2 soil) Method EPI Suite	est O air) est	93.9 % 100 % Value 40 h Value 98 %; GLP Value 4.5 % Value 7.02 h Value 63.82 % Value 37.5 day(s); Q Value	SAR		28 da 28 da 28 da Conc. 50000 Durat 28 da Durat 28 da Conc. 1.5E6 Durat 1 dayı Prima degra Prima Prima Prima Prima	y(s) y(s) y(s) OH-rad OO /cm³ tion y(s) tion y(s) OH-rad o /cm³ tion (s) ary dation/dary degra	mineralisa dation mineralisa	tion	Val Exp Val Exp Val Exp Val Exp Val Cal Cal	lue determinate value va	ue ue ution ution ue ution ue ution ue ution ue ution ue tion
Method OECD 301B: CO2 Evolution T OECD 301D: Closed Bottle Te Phototransformation air (DT5 Method OECD 301D: Closed Bottle Te Biodegradation water Method OECD 301D: Closed Bottle Te 6-di-tert-butyl-p-cresol Biodegradation water Method OECD 301C: Modified MITI T Phototransformation air (DT5 Method AOPWIN v1.92 Biodegradation soil Method Half-life water (t1/2 water) Method BIOWIN 4.10 Half-life soil (t1/2 soil) Method EPI Suite Half-life air (t1/2 air) Method	est O air) est	93.9 % 100 % Value 40 h Value 98 %; GLP Value 4.5 % Value 7.02 h Value 37.5 day(s); Q Value 75 day(s) Value	SAR		28 da 28 da 28 da Conc. 50000 Durat 28 da Durat 28 da Conc. 1.5E6 Durat 1 dayi Prima degra Prima Prima Prima degra Prima degra Prima	y(s) y(s) y(s) OH-rad OO /cm³ tion y(s) tion y(s) OH-rad o /cm³ tion (s) ary dation/dary degra ary dation/dary degra	mineralisa dation mineralisa dation	tion	Val	lue determina berimental val lue determina AR lue determina berimental val lue determina berimental val lue determina berimental val lue determina berimental val lue determina culated value lue determina culated value	ue ue ution ution ue ution ue ution ue ution ue ution ue tion
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Method OECD 301B: CO2 Evolution T OECD 301D: Closed Bottle Te Phototransformation air (DT5 Method OECD 301D: Closed Bottle Te Biodegradation water Method OECD 301D: Closed Bottle Te 6-di-tert-butyl-p-cresol Biodegradation water Method OECD 301C: Modified MITI T Phototransformation air (DT5 Method AOPWIN v1.92 Biodegradation soil Method Half-life water (t1/2 water) Method BIOWIN 4.10 Half-life soil (t1/2 soil) Method EPI Suite Half-life air (t1/2 air) Method	est O air) est	93.9 % 100 % Value 40 h Value 98 %; GLP Value 4.5 % Value 7.02 h Value 37.5 day(s); Q Value 75 day(s) Value	SAR		28 da 28 da 28 da Conc. 50000 Durat 28 da Durat 28 da Conc. 1.5E6 Durat 1 dayi Prima degra Prima Prima Prima degra Prima degra Prima	y(s) y(s) y(s) OH-rad OO /cm³ tion y(s) tion y(s) OH-rad o /cm³ tion (s) ary dation/dary degra ary dation/dary degra	mineralisa dation mineralisa dation	tion	Val	lue determina berimental val lue determina AR lue determina berimental val lue determina berimental val lue determina berimental val lue determina berimental val lue determina culated value lue determina culated value	ue ue ution ution ue ution ue ution ue ution ue ution ue tion
Method OECD 301B: CO2 Evolution T OECD 301D: Closed Bottle Te Phototransformation air (DT5 Method OECD 301D: Closed Bottle Te Biodegradation water Method OECD 301D: Closed Bottle Te 6-di-tert-butyl-p-cresol Biodegradation water Method OECD 301C: Modified MITI T Phototransformation air (DT5 Method AOPWIN v1.92 Biodegradation soil Method Half-life water (t1/2 water) Method BIOWIN 4.10 Half-life soil (t1/2 soil) Method EPI Suite Half-life air (t1/2 air) Method	est O air) est	93.9 % 100 % Value 40 h Value 98 %; GLP Value 4.5 % Value 7.02 h Value 37.5 day(s); Q Value 75 day(s) Value	SAR		28 da 28 da 28 da Conc. 50000 Durat 28 da Durat 28 da Conc. 1.5E6 Durat 1 dayi Prima degra Prima Prima Prima degra Prima degra Prima	y(s) y(s) y(s) OH-rad OO /cm³ tion y(s) tion y(s) OH-rad o /cm³ tion (s) ary dation/dary degra ary dation/dary degra	mineralisa dation mineralisa dation	tion	Val	lue determina berimental val lue determina AR lue determina berimental val lue determina berimental val lue determina berimental val lue determina berimental val lue determina culated value lue determina culated value	ue ue ution ution ue ution ue ution ue ution ue ution ue tion

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lophony						
Biodegradation wa	iter					
Method			Value		Duration	Value determination
OECD 301D: Clos			71 %; GLP		28 day(s)	Experimental value
drocarbons, C6-C7 Biodegradation wa		, isoalkan	ies, cyclics, < 5% n-	<u>hexane</u>		
Method	itei		Value		Duration	Value determination
	ometric Re	spiromet	ry Test 98 %; GLP		28 day(s)	Experimental value
tert-butylphenol			.,			
Biodegradation wa	iter					
Method			Value		Duration	Value determination
OECD 301A: DOC			98 %		28 day(s)	Experimental value
OECD 301F: Man	ometric Re	spiromet	ry Test 60 %; GLP		28 day(s)	Experimental value
clusion ontains non readily 3. Bioaccumula Montage Neoprer	ative pot		ponent(s)			
Kow						
ethod		Remark		Value	Temperature	Value determination
		Not applic	able (mixture)			
hyl acetate						
BCF fishes						
Parameter	Method		Value	Duration	Species	Value determination
BCF			30	3 day(s)	Leuciscus idus	Experimental value
og Kow						
Method		Remai	rk	Value	Temperatur	
EPA OPPTS 830.7	560			0.68	25 °C	Experimental value
tanone og Kow						
og Kow Method		Remai	rk	Value	Temperatur	e Value determination
OECD 117		Kerriai	I K	0.3	40 °C	Experimental value
nc oxide				0.0	1.0 0	
BCF other aquatic	organisms					
Parameter	Method		Value	Duration	Species	Value determination
BCF			38 - 277	28 day(s)	Palaemon elegans	Read-across
og Kow		_				
Method		Remai	rk	Value	Temperatur	
a di i a di i a di a a di				1.53		Estimated value
5-di-tert-butyl-p-cr	<u>esoi</u>					
BCF fishes Parameter	Method	1	Value	Duration	Species	Value determination
BCF	OECD 30		230 - 2500	56 day(s)	Cyprinus carpio	Experimental value
_og Kow	02000				joypiiiias cai pie	Experimental value
Method		Remai	rk	Value	Temperatur	e Value determination
				5.1		Experimental value
lophony						
BCF other aquatic						
Parameter	Method		Value	Duration	Species	Value determination
BCF	BCFBAF	v3.00	56.2			QSAR
Log Kow Method		Remai	rk	Value	Temperatur	e Value determination
OECD 117		Kellidi	N.	1.9	remperatur	Experimental value
drocarbons, C6-C7	, n-alkanes	, isoalkan	es, cyclics. < 5% n-			
_og Kow	30					
Method		Remai	rk	Value	Temperatur	e Value determination
				> 3		

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I-tert-butylphenol									
BCF fishes									
Parameter	Method	Value	Dr	uration	Specie	25			Value determination
BCF	Moniou	120	31			cus idus			raido dotorrimation
30.		20 - 88				nus carpio			
	OECD 305	20 - 48	8	week(s)		nus auratus			Experimental value
BCF other aquatic of					-,				
Parameter	Method	Value	Dr	uration	Specie	25			Value determination
BCF		34		1 h		ella sp.			Tuluo uotoiiiiilutioii
		240	51		Bacte	-			
Log Kow		<u> </u>							l .
Method	li	Remark	Va	alue		Tempera	ature		Value determination
OECD 117			3			23 °C			Experimental value
nclusion Contains bioaccumula 2.4. Mobility in s http://ecent.distribution	oil	ent(s)				4	1		
Method	Fraction air	Fraction bid			Fraction soil	Fraction	water	Value det	ermination
NASSIS IS IN	E4 2 0/	0.07	sedime	nt	12.20/	25.2.27		Calada	d
Mackay level III	51.3 %	0 %	0.27 %		13.3 %	35.3 %		Calculated	a value
utanone (log) Koo									
(log) Koc Parameter				Mother			Value		Value determination
				Method			Value		
log Koc							1.53		Calculated value
inc oxide									
(log) Koc				N/1-42			Volum		Volume determine the
Parameter				Method			Value		Value determination
log Koc	1						2.2		Literature study
,6-di-tert-butyl-p-cre	esol								
(log) Koc							h., .		hr
Parameter				Method			Value		Value determination
Koc					VIN v1.66		23030		Calculated value
log Koc				PCKOCW	VIN v1.66		4.362		Calculated value
Volatility (Henry's I									
Value		ethod		nperature		Remark			Value determination
8.92E-5 atm m ³ /n	nol SR	C HENRYWIN v3.1	0					_	Calculated value
Percent distribution						-			
Method	Fraction air	Fraction bio	ota Fraction sedime		Fraction soil	Fraction	water	Value det	ermination
Mackay level III	0.37 %		30.4 %		58.5 %	10.7 %		Calculated	d value
olophony						_			
(log) Koc							_		
				Method					
Parameter							Value		Value determination
Parameter log Koc					OCWIN v2.0		Value 0.8759		Value determination QSAR
log Koc	, n-alkane <mark>s, isc</mark>	oalkanes, cyclics, <	5% n-hexane						
log Koc			ota Fraction	SRC PCK			0.8759	Value det	
log Koc ydrocarbons, C6-C7, Percent distribution Method	n Fraction air	Fraction bio	ota Fraction sedime	SRC PCK	OCWIN v2.0 Fraction soil	Fraction	0.8759		QSAR ermination
log Koc ydrocarbons, C6-C7, Percent distribution Method Mackay level III	n		ota Fraction	SRC PCK	OCWIN v2.0		0.8759	Value det	QSAR ermination
log Koc ydrocarbons, C6-C7, Percent distribution Method Mackay level III -tert-butylphenol	n Fraction air	Fraction bio	ota Fraction sedime	SRC PCK	OCWIN v2.0 Fraction soil	Fraction	0.8759		QSAR ermination
log Koc lydrocarbons, C6-C7, Percent distribution Method Mackay level III -tert-butylphenol (log) Koc	n Fraction air	Fraction bio	ota Fraction sedime	SRC PCKI	Fraction soil 0 %	Fraction 1.3 %	0.8759 water		QSAR ermination d value
log Koc ydrocarbons, C6-C7, Percent distribution Method Mackay level III -tert-butylphenol (log) Koc Parameter	n Fraction air	Fraction bio	ota Fraction sedime	SRC PCK	Fraction soil 0 %	Fraction	0.8759 water Value		QSAR ermination d value Value determination
log Koc nydrocarbons, C6-C7, Percent distribution Method Mackay level III I-tert-butylphenol (log) Koc	n Fraction air	Fraction bio	ota Fraction sedime	SRC PCKI	Fraction soil 0 %	Fraction	0.8759 water		QSAR ermination d value
log Koc nydrocarbons, C6-C7, Percent distribution Method Mackay level III -tert-butylphenol (log) Koc Parameter log Koc contains components 2.5. Results of Pt Does not contain com 2.6. Other adversex Montage Neopren obal warming poten one of the known cor	98 % (s) with potents and vPvl ponent(s) that see effects etial (GWP) mponents is in	Traction bid 0 % tial for mobility in B assessment at meet(s) the crite	the soil	Method	Fraction soil 0 %	Fraction 1.3 % ex XIII of Reg	value 3.1	Calculated	QSAR ermination d value Value determination QSAR
log Koc Nydrocarbons, C6-C7. Percent distribution Method Mackay level III Letert-butylphenol (log) Koc Parameter log Koc nclusion Contains components 2.5. Results of Pt Does not contain com 2.6. Other advers x Montage Neopren bobal warming poten one of the known cor	98 % (s) with potents and vPvl ponent(s) that see effects etial (GWP) mponents is in	Traction bid 0 % tial for mobility in B assessment at meet(s) the crite	the soil	Method	Fraction soil 0 %	Fraction 1.3 % ex XIII of Reg	value 3.1	Calculated	QSAR ermination d value Value determination QSAR
log Koc nydrocarbons, C6-C7, Percent distribution Method Mackay level III -tert-butylphenol (log) Koc Parameter log Koc contains componenti 2.5. Results of Pt Does not contain com 2.6. Other adversex Montage Neopren obal warming poten	98 % (s) with potents T and vPv ponent(s) that se effects etial (GWP) mponents is in	Traction bid 0 % tial for mobility in B assessment at meet(s) the crite	the soil	Method	Fraction soil 0 %	Fraction 1.3 % ex XIII of Reg	0.8759 water Value 3.1 ulation (Calculated	QSAR ermination d value Value determination QSAR 17/2006.

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

ethyl acetate

Global warming potential (GWP)

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

Ground water

Ground water pollutant

butanone

Global warming potential (GWP)

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

Ground water

Ground water pollutant

zinc oxide

Global warming potential (GWP)

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

colophony

Global warming potential (GWP)

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

4-tert-butylphenol

Global warming potential (GWP)

Not included in the list of fluorinated greenhouse gases (Regulation (EU) 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 hazardous 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. Remove to an authorized waste treatment plant. Do not discharge into drains or the environment.

13.1.3 Packaging/Container

Reason for revision: 2.2

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

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

SECTION 14: Transport information

Road (ADR) 14.1. UN number UN number 1133 14.2. UN proper shipping name Proper shipping name Adhesives 14.3. Transport hazard class(es) Hazard identification number Class Classification code F1 14.4. Packing group Packing group III

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T-Rex Montage Neoprene Labels 14.5. Environmental hazards Environmentally hazardous substance mark ves 14.6. Special precautions for user Special provisions Limited quantities Combination packagings: not more than 5 liters per inner packaging for liquids. A package shall not weigh more than 30 kg. (gross mass) Specific mention Viscous liquid with a flash point lower than 23°C, which meets the conditions indicated in 2.2.3.1.4 of ADR Rail (RID) 14.1. UN number 1133 UN number 14.2. UN proper shipping name Proper shipping name Adhesives 14.3. Transport hazard class(es) Hazard identification number 33 Classification code F1 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 Limited quantities Combination packagings: not more than 5 liters per inner packaging for liquids. A package shall not weigh more than 30 kg. (gross mass) Viscous liquid with a flash point lower than 23°C, which meets the Specific mention conditions indicated in 2.2.3.1.4 of RID Inland waterways (ADN) 14.1. UN number UN number 1133 14.2. UN proper shipping name Proper shipping name Adhesives 14.3. Transport hazard class(es) Class Classification code F1 14.4. Packing group Packing group Labels 14.5. Environmental hazards Environmentally hazardous substance mark 14.6. Special precautions for user Special provisions Combination packagings: not more than 5 liters per inner packaging for Limited quantities 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 2.2.3.1.4 of ADN Sea (IMDG/IMSBC) 14.1. UN number 1133 UN number 14.2. UN proper shipping name Proper shipping name Adhesives 14.3. Transport hazard class(es) Class 14.4. Packing group Packing group Labels 3 14.5. Environmental hazards Marine pollutant Environmentally hazardous substance mark 14.6. Special precautions for user Special provisions 955 Special provisions Combination packagings: not more than 5 liters per inner packaging for Limited quantities liquids. A package shall not weigh more than 30 kg. (gross mass)

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Reason for revision: 2.2

Publication date: 2007-09-13

Date of revision: 2015-10-19

Specific m	nention		Viscous liquid with a flash point lower than 23°C, which meets the conditions indicated in 2.3.2.2 of IMDG					
14.7. Transpo	ort in bulk accor	ding to Annex II of Marpol and the IBC (Code					
Annex II c	of MARPOL 73/7	78	ľ	Not applicable, based on available data				
Air (ICAO-TI/	IATA-DGR)							
14.1. UN num								
UN numb	er		1	1133				
14.2. UN prop	per shipping na	me						
Proper sh	nipping name		P	Adhesives				
14.3. Transpo	ort hazard class((es)						
Class			3	3				
14.4. Packing	group							
Packing g	roup		I					
Labels			3	3				
14.5. Environ	mental hazards							
Environm	nentally hazardo	ous substance mark	У	yes				
14.6. Special	precautions for	user						
Special pr	rovisions		1	A3				
Passenge	r and cargo trar	nsport: limited quantities: maximum net	t quantity 1	10 L				
per packa	aging							
Specific m	nention			Viscous liquid with a flash point lower than 23°C, which meets the conditions indicated in 3.3.3.1 of ICAO				

SECTION 15: Regulatory information

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

European legislation:

VOC content Directive 2010/75/EU

VOC content				Remark				
36 %								

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.

and use of certain da	ngerou	s substances, mixtures and articles.	
		Designation of the substance, of the group of	Conditions of restriction
		substances or of the mixture	
· ethyl acetate		Liquid substances or mixtures which are	1. Shall not be used in:
· butanone		regarded as dangerous in accordance with	— ornamental articles intended to produce light or colour effects by means of different
· hydrocarbons, C6-C7, n-alkanes, isc	alkanes,	Directive 1999/45/EC or are fulfilling the	phases, for example in ornamental lamps and ashtrays,
cyclics, < 5% n-hexane		criteria for any of the following hazard classes	— tricks and jokes,
		or categories set out in Annex I to Regulation	— games for one or more participants, or any article intended to be used as such, even with
		(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 2.7, 2.8	market.3. Shall not be placed on the market if they contain a colouring agent, unless
			required for fiscal reasons, or perfume, or both, if they:
		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 adverse	for supply to the general public shall not be placed on the market unless they conform to
		effects on sexual function and fertility or on	the European Standard on Decorative oil lamps (EN 14059) adopted by the European
		development, 3.8 effects other than narcotic	Committee for Standardisation (CEN).5. Without prejudice to the implementation of other
		effects, 3.9 and 3.10; (c) hazard class 4.1;	Community provisions relating to the classification, packaging and labelling of dangerous
		(d) hazard class 5.1.	substances and mixtures, suppliers shall ensure, before the placing on the market, that the following requirements are met:
		(u) Hazaru Class 3.1.	a) lamp oils, labelled with R65 or H304, intended for supply to the general public are visibly,
			legibly and indelibly marked as follows: "Keep lamps filled with this liquid out of the reach of
			children"; and, by 1 December 2010, "Just a sip of lamp oil — or even sucking the wick of
			lamps — may lead to life- threatening lung damage";
			b) grill lighter fluids, labelled with R65 or H304, intended for supply to the general public are
			legibly and indelibly marked by 1 December 2010 as follows: "Just a sip of grill lighter may
			lead to life threatening lung damage";
			c) lamp oils and grill lighters, labelled with R65 or H304, intended for supply to the general
			public are packaged in black opaque containers not exceeding 1 litre by 1 December 2010.6.
			No later than 1 June 2014, the Commission shall request the European Chemicals Agency to
			prepare a dossier, in accordance with Article 69 of the present Regulation with a view to
			ban, if appropriate, grill lighter fluids and fuel for decorative lamps, labelled R65 or H304,
			intended for supply to the general public.7. Natural or legal persons placing on the market
			for the first time lamp oils and grill lighter fluids, labelled with R65 or H304, shall by 1
			December 2011, and annually thereafter, provide data on alternatives to lamp oils and grill
			lighter fluids labelled R65 or H304 to the competent authority in the Member State
			concerned. Member States shall make those data available to the Commission.'
· ethyl acetate		Substances classified as flammable gases	1. Shall not be used, as substance or as mixtures in aerosol dispensers where these aerosol
· butanone		category 1 or 2, flammable liquids categories	dispensers are intended for supply to the general public for entertainment and decorative
· hydrocarbons, C6-C7, n-alkanes, iso	alkanes,	1, 2 or 3, flammable solids category 1 or 2,	purposes such as the following:
cyclics, < 5% n-hexane		substances and mixtures which, in contact	— metallic glitter intended mainly for decoration,
		with water, emit flammable gases, category	— artificial snow and frost,
-			

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	pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to that Regulation or not. — in that Regulation or not. — in the in plaction of the interest of the int	whoopee" cushions, lly string aerosols, nitation excrement, orns for parties, ecorative flakes and foams, tificial cobwebs, ink bombs. 2. Without prejudice to the application of other Community provision classification, packaging and labelling of substances, suppliers shall ensure beforeing on the market that the packaging of aerosol dispensers referred to above is mly, legibly and indelibly with: professional users only".3. By way of derogation, paragraphs 1 and 2 shall not apaerosol dispensers referred to Article 8 (1a) of Council Directive 75/324/EEC.4. The sol dispensers referred to in paragraphs 1 and 2 shall not be placed on the markets sthey conform to the requirements indicated.
National legislation The Netherland T-Rex Montage Neoprene	<u>ls</u>	
	LWCA (the Netherlands): KGA category 03	
Waterbezwaarlijkheid	6	
4-tert-butylphenol		
SZW - List of reprotoxic substances (fertility)	Possible risk of impaired fertility	
National legislation Germany		
T-Rex Montage Neoprene		
WGK	2; Classification water polluting based on the Stoffe (VwVwS) of 27 July 2005 (Anhang 4)	components in compliance with Verwaltungsvorschrift wassergefährd
ethyl acetate		
Schwangerschaft Gruppe MAK 8-Stunden-Mittelwert	C Ethylacetat; 400 ppm	
ppm MAK 8-Stunden-Mittel <mark>wert</mark> mg/m³	Ethylacetat; 1500 mg/m³	
TA-Luft	5.2.5	
<u>butanone</u>	-	
Schwangerschaft Grupp <mark>e</mark>	С	
MAK 8-Stunden-Mittel <mark>wert</mark> ppm	2-Butanon; 200 ppm	
MAK 8-Stunden-Mittel <mark>wert</mark> mg/m³	2-Butanon; 600 mg/m³	
TA-Luft	5.2.5	
zinc oxide		
Schwangerschaft Gruppe Schwangerschaft Gruppe	C	
	7ink und seine anorganischen Verhindungen	(alveolengängige Fraktion); 0.1 mg/m³; gemessen als alveolengängige
mg/m³	Fraktion (vgl. Abschn. Vd) S. 191)	(einatembare Fraktion); 2 mg/m³; gemessen als einatembare Fraktion
	Abschn. Vd) S. 191)	
TA-Luft	5.2.1	
2,6-di-tert-butyl-p-cresol MAK - Krebserzeugend	4	
Kategorie		
Schwangerschaft Gruppe	C	an all single release Franking (red Aktalia 1/4) C 404)
mg/m³		en als einatembare Fraktion (vgl. Abschn. Vd) S. 191)
TA-Luft colophony	5.2.5; I	
TA-Luft	5.2.1	
	isoalkanes, cyclics, < 5% n-hexane 5.2.5; I	
4-tert-butylphenol		
Schwangerschaft Grup <mark>pe</mark>	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 T-Rex Montage Neoprene No data available		
aata avallable		
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National legislation Belgium

T-Rex Montage Neoprene No data available

Other relevant data

T-Rex Montage Neoprene
No data available

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

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

15.2. Chemical safety assessment

No chemical safety assessment is required.

SECTION 16: Other information

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

H225 Highly flammable liquid and vapour.

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

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

M-factor

zinc oxide	1	Acute	ECHA
zinc oxide	1	Chronic	ECHA
2,6-di-tert-butyl-p-cresol	1	Acute	BIG
4-tert-butylphenol	1	Chronic	ECHA

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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