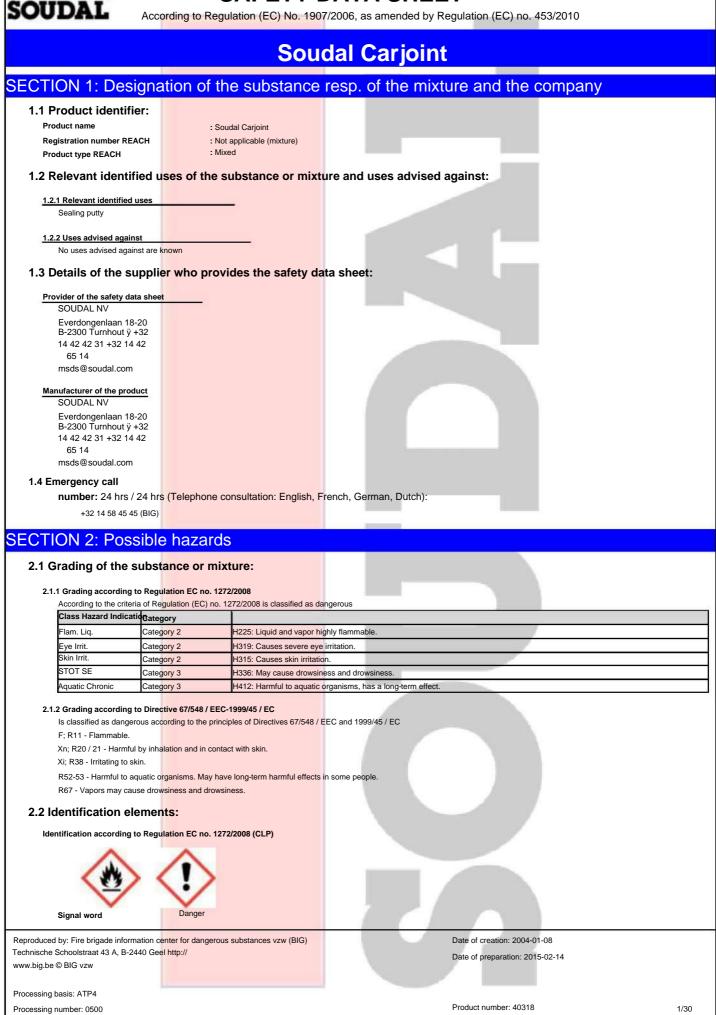
# SAFETY DATA SHEET



	Soudal Carjoint
H-sets	
H225	Liquid and vapor easily flammable.
H319	Causes severe eye irritation.
H315	Causes skin irritation.
H336	May cause drowsiness and drowsiness.
H412	Harmful to aquatic organisms, has a long-term effect.
P-sets	
P101	Requiring medical advice, packaging or label.
P102	Must not fall into the hands of children.
P210	Keep away from heat, flammable surfaces, sparks, open flames as well as other types of sand sources. Do not smoke.
P280	Wear protective gloves, protective clothing and eye protection / face protection.
P304 + P34	
P303 + P36	1 + P353 IF ON SKIN (OR HAIR): Remove all contaminated clothing immediately. Skin with water wash / shower.
P305 + P35	1 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Available contact lenses after
	Possibility to remove. Continue rinsing.
P312	In case of poisoning POISON CENTER / Call doctor.
P501	Content / Container add local / regional / national / international regulations.
	osin. May cause allergic reactions. • Directive 67/548 / EEC-1999/45 / EC (DSD / DPD)
Zener	
Flammable	
Flammable R-sets	Gesundheitssch % dlich
R-sets	
<b>R-sets</b> 20/21	Harmful by inhalation and in contact with skin
<b>R-sets</b> 20/21 38	Harmful by inhalation and in contact with skin Irritating to skin
<b>R-sets</b> 20/21 38 52/53	Harmful by inhalation and in contact with skin Irritating to skin Harm <mark>ful to aquatic organisms, may cause long-te</mark> rm adverse effects in the aquatic environment
R-sets 20/21 38 52/53 67	Harmful by inhalation and in contact with skin Irritating to skin
R-sets 20/21 38 52/53 67 S-phrases	Harmful by inhalation and in contact with skin Irritating to skin Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment Vapors may cause drowsiness and drowsiness
R-sets 20/21 38 52/53 67 S-phrases (02)	Harmful by inhalation and in contact with skin Irritating to skin Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment Vapors may cause drowsiness and drowsiness (Must not fall into the hands of children)
R-sets 20/21 38 52/53 67 S-phrases (02) 16	Harmful by inhalation and in contact with skin Irritating to skin Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment Vapors may cause drowsiness and drowsiness (Must not fall into the hands of children) Avoid sand sources - Do not smoke
R-sets 20/21 38 52/53 67 S-phrases (02) 16 33	Harmful by inhalation and in contact with skin Irritating to skin Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment Vapors may cause drowsiness and drowsiness (Must not fall into the hands of children) Avoid sand sources - Do not smoke Take measurements against electrostatic charges
R-sets 20/21 38 52/53 67 S-phrases (02) 16 33 36/37	Harmful by inhalation and in contact with skin Irritating to skin Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment Vapors may cause drowsiness and drowsiness (Must not fall into the hands of children) Avoid sand sources - Do not smoke Take measurements against electrostatic charges Wear protective gloves and protective clothing when working
R-sets 20/21 38 52/53 67 S-phrases (02) 16 33	Harmful by inhalation and in contact with skin Irritating to skin Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment Vapors may cause drowsiness and drowsiness (Must not fall into the hands of children) Avoid sand sources - Do not smoke Take measurements against electrostatic charges Wear protective gloves and protective clothing when working (If swallowed, seek medical advice immediately and present packaging or label)
R-sets 20/21 38 52/53 67 S-phrases (02) 16 33 36/37 (46) 61	Harmful by inhalation and in contact with skin Irritating to skin Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment Vapors may cause drowsiness and drowsiness (Must not fall into the hands of children) Avoid sand sources - Do not smoke Take measurements against electrostatic charges Wear protective gloves and protective clothing when working
R-sets 20/21 38 52/53 67 S-phrases (02) 16 33 36/37 (46) 61	Harmful by inhalation and in contact with skin Irritating to skin Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment Vapors may cause drowsiness and drowsiness (Must not fall into the hands of children) Avoid sand sources - Do not smoke Take measurements against electrostatic charges Wear protective gloves and protective clothing when working (If swallowed, seek medical advice immediately and present packaging or label) Avoid release into the environment. Get special instructions / Rate safety data sheet.
R-sets 20/21 38 52/53 67 S-phrases (02) 16 33 36/37 (46) 61 Contains: Colopho	Harmful by inhalation and in contact with skin Irritating to skin Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment Vapors may cause drowsiness and drowsiness (Must not fall into the hands of children) Avoid sand sources - Do not smoke Take measurements against electrostatic charges Wear protective gloves and protective clothing when working (If swallowed, seek medical advice immediately and present packaging or label) Avoid release into the environment. Get special instructions / Rate safety data sheet.

spreads in the soil: Danger of danger Attention! The substance is resorbed on the skin

### DSD /

DPD Possible ignition by sparks Gas / vapor spreads in the soil: Danger of danger Attention! The substance is resorbed on the skin

## SECTION 3: Composition / information on ingredients

### 3.1 Substances:

Not applicable

### 3.2 Mixture:

Name REACH Registration No.	CAS-No EC no.	Conc. (C)	Grading measured DSD / DPD	Grading according to CLP	Footnote Note
Toluene 01-2119471310-51	108-88-3 203-625	-9 % Repr. Ca	F; R11 3; R63 Xn; R48 / 20 - 65 Xi; R38 R67	Flam. Liq. 2; H225 Repr. 2; H361d Asp. Tox. 1; H304 STOT RE 2; H373 Skin Irrit. 2; H315 STOT SE 3; H336	(1) (2) (10) Ingredient
ocessing basis: ATP4				Date of creation: 2004-01-08 Date of preparation: 2015-02-14	4

Butanone 01-2119457290-43	78-93-3 201-159-0	10% <c <2<br="">5%</c>	F; R11 Xi; R36 R66 R67	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336	(1) (2) (10) Ingi	edient
Zinc oxide 01-2119463881-32	1314-13-2 215-222-5	0.1% <c <1<="" td=""><td>N; R50-53%</td><td>Aquatic Acute 1; H400 Aquatic Chronic 1; H410</td><td>(1) (2)</td><td>Ingredient</td></c>	N; R50-53%	Aquatic Acute 1; H400 Aquatic Chronic 1; H410	(1) (2)	Ingredient
2,6-Di-tert-butyl-p-cresol 01-2119555270-46	128-37-0 204-881-4	0.1% <c <1<="" td=""><td>N; R50-53%</td><td>Aquatic Acute 1; H400 Aquatic Chronic 1; H410</td><td>(1) (2)</td><td>Ingredient</td></c>	N; R50-53%	Aquatic Acute 1; H400 Aquatic Chronic 1; H410	(1) (2)	Ingredient
Xylol 01-2119488216-32	1330-20-7 215-535-7		Xn; R20 / 21 Xi; R38 R10	Flam. Liq. 3; H226 Acute Tox. 4; H332 Acute Tox. 4; H312 Skin Irrit. 2; H315 Skin Sens. 1; H317	(1) (2) (8) (10)	ngredient
Colophonium 01-2119480418-32	8050-09-7 232-475-7	0.1% <c <1<br="">R43%</c>			(1) (2)	Ingredient
Hydrocarbons, C7, n-alkanes, isoalkan <mark>es, cyclic</mark> compounds 01-2119475515-33			F; R11 Xn; R65 Xi; R38 R67 N; R51-53	Flam. Liq. 2; H225 Asp. Tox. 1; H304 Skin Irrit. 2; H315 STOT SE 3; H336 Aquatic Chronic 2; H411	(1) (10)	Ingredient
Ethylbenzole 01-2119489370-35	100-41-4 202-849-4	1% <c <10<br="">%</c>	F; R11 Xn; R20 - 48/20 - 65	Flam. Liq. 2; H225 Acute Tox. 4; H332 Asp. Tox. 1; H304 STOT RE 2; H373 Aquatic Chronic 3; H412	(1) (2) (6) (10)	ngredient

(2) Substance for which a common limit value applies to exposure in the workplace (6) In Annex VI to

Regulation (EC) No 882/2004. 1272/2008 but the classification was adjusted after evaluation of the available experimental data (8) Specific concentration limits, see point 16 (10) Subject to the restrictions in Annex XVII of Regulation (EC) No 1272/2008. 1907/2006

## SECTION 4: First aid measures

SECTION 4. FIISLAID MEASURES	
4.1 Description of First Aid Measures: General Measures: Add to	
doctor if unwell.	
After inhalation:	
Bring victim to fresh air. Breathing difficulties: Consult a doctor / medical service.	
After skin contact:	
Rinse immediately with plenty of water. Use of soap is allowed. Consult a doctor if there is c	onstant irritation.
After eye contact:	
Rinse immediately with plenty of water. Consult an ophthalmologist if there is constant irritat	ion.
After swallowing:	
Rinse mouth with water. In case of discomfort: Consult a doctor / medical service.	
4.2 Most important symptoms and effects, both acute and delayed:	
4.2.1 Acute symptoms after inhalation:	
	the Instantion of the experimentary type of the second second
EXPOSITION AT HIGH CONCENTRATIONS: CNS depression. Dizziness. Rausch. Headar Consciousness disorders.	ane. Initation of the respiratory tract, congritteess, initation of the hasal hocosa.
After skin contact:	
Itching / irritation of the skin.	
After eye contact:	
Irritation of the eye tissue.	
After swallowing:	
Brightness. Vomiting. Symptoms similar to inhalation.	
4.2.2 Delayed onset of symptom <mark>s No effects</mark>	
known.	
4.3 Indication of any immediate medical attention or special treatment need	ed:
If applicable and available, this is indicated below.	
SECTION 5: Tasks for firefighting	
5.1 Extinguishing	
media: 5.1.1 Suitable extinguishing media:	
Multi-area foam. BC Powder. Kohlens. Ure.	
5.1.2 Unsuitable extinguishing	
media: No inappropriate extinguishing media known.	
Processing basis: ATP4	Date of creation: 2004-01-08
-	Date of preparation: 2015-02-14
Processing number: 0500	Product number: 40318 3/30

# Soudal Carjoint

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

Upon combustion, CO and CO2 are formed and metal formation is pumped out. During heating: formation of combustible gases / vapors.

#### 5.3 Advice for firefighters: 5.3.1 Measures:

Cool closed containers with water if exposed to fire. Do not move heat-charged charge. Count on environmentally friendly extinguishing water. Use water sparingly, if possible to catch / end.

#### 5.3.2 Special fire-fighting equipment:

Gloves. Goggles. Protective suit. In case of heating / combustion: Compressed air / oxygen supply.

## SECTION 6: Taken in case of unintentional release

#### 6.1 Personal precautions, protective equipment and emergency procedures:

- Stop engines and do not smoke. No open fire and no sparks. Spark-free and explosion-proof appliances and lamps. 6.1.1 Protective equipment for non-emergency personnel
  - See point 8.2
- 6.1.2 Protective equipment for emergency services
- Gloves. Goggles. Protective suit.
- Suitable protective clothing
  - See point 8.2

#### 6.2 Environmental protection measures:

Collect free-range product. Released fabric ends. If evaporation is possible. Avoid soil and water pollution. Prevent intrusion into sewers. Avoid environmental pollution by proper inclusion.

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

Collect solids in removable containers. Collect contaminated solids / residues carefully. Clean dirty areas abundantly with water. Collect goods from manufacturers / related places. After work, clean clothes and equipment.

### 6.4 Refer to other sections:

See point 13.

### SECTION 7: Handling and storage

The information contained in this section is a general description. If applicable and available, the exposure scenarios are included in the appendix. You must always use related exposure scenarios that have their identified uses

#### 7.1 Protective measures for safe handling:

Keep away from open flames / heat sources. In case of insufficient ventilation: Avoid open flames / sparks. In case of insufficient ventilation: Spark-free / explosion-proof equipment / lights. Gas / vapor heavier than air at 20 ° C. Strict Hygiene adhered to. Keep container tightly closed. Take off dirty clothing immediately. Do not pour into drains.

#### 7.2 Conditions for safe storage, taking into account intolerances:

7.2.1 Conditions for safe storage:

Storage temperature: 20 ° C. Store in a cool place. Store in a dry place. Room ventilation in the floor. Comply with legal requirements. Max. Storage time: 365 day (s).

- 7.2.2 Removal of:
- Heat sources, sand sources.
- 7.2.3 Suitable packaging material: Sheet
  - metal, nylon
- 7.2.4 Unsuitable packaging material:
- No data available

#### 7.3 Specific end uses:

If applicable and available, the exposure scenarios are included in the appendix. Observe the manufacturer's instructions.

## SECTION 8: Limitation and monitoring of exposure / Personal protective equipment

#### 8.1 To monitoring parameters:

8.1.1 Exposure in the workplace

a) Limit values for occupational exposure The limit

values are listed below, insofar as they are available and applicable

the Netherlands

2,6-Di-tert-butyl-p-cresol (inhalable)	Temporarily weighted average exposure limit value 8 h (Private Workplace Guide Limit)	5 mg / m³
2-Butanone	Temporarily weighted average exposure limit value 8 h (÷ public workplace target limit value)	197 ppm
	Temporarily weighted average exposure limit value 8 h (÷ public workplace target limit value)	590 mg / m³
	Short time value (÷ public workplace guideline value)	300 ppm
g basis: ATP4	Date of creation: 2004-01-08	
	Date of preparation: 2015-02-14	
	Decident combary 40240	4/0.0

(Pro

2-Butanone	Short time value (÷ public workplace guideline value)	900 mg / m
Ethylbenzene	Temporarily weighted average exposure limit value 8 h (+ public workplace target limit value)	49 ppm
	Temporarily weighted average exposure limit value 8 h (÷ public workplace target limit value)	215 mg / n
	Short time value (÷ public workplace guideline value)	97 ppm
	Short time value (÷ public workplace guideline value)	430 mg / m
Pyrolysis products derived from resin core solder tin (alipha		0.1 mg / m
aldehyde calculated as formaldehyde)	(Private Workplace Guide Limit)	- J.
Toluene	Temporarily weighted average exposure limit value 8 h (÷ public workplace target limit value)	39 ppm
	Temporarily weighted average exposure limit value 8 h (+ public workplace target limit value)	150 mg / n
	Short time value (÷ public workplace guideline value)	100 ppm
	Short time value (÷ public workplace guideline value)	384 mg / n
Zinc oxide (smoke)	Temporarily weighted average exposure limit value 8 h	5 mg / m <sup>3</sup>
	(Private Workplace Guide Limit)	5 mg / m
EU		
Butanone	Temporarily weighted average exposure limit value 8 h	200 ppm
	(Workplace guideline) Temporarily weighted average exposure limit value 8 h	600 mg / n
	(Workplace guideline)	Ĵ
	Short time value (workplace directive value)	300 ppm
	Short time value (workplace directive value)	900 mg / n
Ethylbenzol	Temporarily weighted average exposure limit value 8 h (Workplace guideline)	100 ppm
	Temporarily weighted average exposure limit value 8 h (Workplace guideline)	442 mg / n
	Short time value (workplace directive value)	200 ppm
	Short time value (workplace directive value)	884 mg / r
Toluene	Temporarily weighted average exposure limit value 8 h	50 ppm
	(Workplace guideline) Temporarily weighted average exposure limit value 8 h	192 mg / r
	(Workplace guideline)	
	Short time value (workplace directive value)	100 ppm
	Short time value (workplace directive value)	384 mg / n
Xylol, all Isomers, pure	Temporarily weighted average exposure limit value 8 h (Workplace guideline)	50 ppm
	Temporarily weighted average exposure limit value 8 h (Workplace guideline)	221 mg / r
	Short time value (workplace directive value)	100 ppm
	Short time value (workplace directive value)	442 mg / n
Belgium		
2,6-Di-tert-butyl-p-crèsol (vapor and aerosol)	Temporarily weighted average exposure limit value 8 h	2 mg / m <sup>3</sup>
2-Butanone	Temporarily weighted average exposure limit value 8 h	200 ppm
	Temporarily weighted average exposure limit value 8 h	600 mg / r
	Short time value	
	Short time value	300 ppm
Educid hospitante		900 mg / r
Ethyl benzene	Temporarily weighted average exposure limit value 8 h	100 ppm
	Temporarily weighted average exposure limit value 8 h	442 mg / n
	Short time value	125 ppm
	Short time value	551 mg / r
Toluene	Temporarily weighted average exposure limit value 8 h	20 ppm
	Temporarily weighted average exposure limit value 8 h	77 mg / m
	Short time value	100 ppm
	Short time value	384 mg / r
Xylene, mixed mixtures, purs <mark>es</mark>	Temporarily weighted average exposure limit value 8 h	50 ppm
	Temporarily weighted average exposure limit value 8 h	221 mg / r
	Short time value	100 ppm
	Short time value	442 mg / r
Zinc (oxide) (smoked)	Temporarily weighted average exposure limit value 8 h	2 mg / m <sup>3</sup>
	Short time value	10 mg / m
		I <sup>10 mg / m</sup>
basis: ATP4	Date of creation: 2004-01-08	

Butylated hydroxytoluene (BHT)	Temporarily weighted average exposure limit value 8 h (TLV -	2 mg / m³ (l
	Adopted Value)	
Ethyl benzene	Temporarily weighted average exposure limit value 8 h (TLV - Adopted Value)	20 ppm
Methyl ethyl ketone (MEK)	Temporarily weighted average exposure limit value 8 h (TLV - Adopted Value)	200 ppm
	Adopted Value (TLV)	300 ppm
Toluene	Temporarily weighted average exposure limit value 8 h (TLV - Adopted Value)	20 ppm
Zinc oxide	Temporarily weighted average exposure limit value 8 h (TLV - Adopted Value)	2 mg / m³ (F
	Adopted Value (TLV)	10 mg / m <sup>3</sup>
IFV: Inhalable fraction and vapor R: Respirable fraction Germany		
2,6-Di-tert-butyl-p-cresol	Temporary weighted average exposure limit value 8 h (TRGS 10 mg / m <sup>3</sup>	
Butanone	900) Temporary weighted average exposure limit value 8 h (TRGS 200 ppm	
	900) Temporary weighted average exposure limit value 8 h (TRGS 600 mg / m <sup>3</sup>	
Ethylbenzol	900) Temporary weighted average exposure limit value 8 h (TRGS 20 ppm 900)	
	Temporary weighted average exposure limit value 8 h (TRGS 88 mg / m <sup>3</sup> 900)	
Toluene	Temporary weighted average exposure limit value 8 h (TRGS 900)	50 ppm
	Temporary weighted average exposure limit value 8 h (TRGS 190 mg / m <sup>3</sup> 900)	
France		145
2,6-Di-tert-butyl-p-cresol	Temporarily weighted average exposure limit value 8 h (VL: Non-indicative regulatory value)	10 mg / m³
Colophane (products from the composition of sourdough expressions in formal form)		0.1 mg / m³
Ethyl benzene	Temporary weighted average exposure limit value 8 h (VRC:	20 ppm
	Binding regulatory value) Temporary weighted average exposure limit value 8 h (VRC:	88.4 mg / m
	Binding regulatory value) Short-term value (VRC: binding regulatory value)	100 ppm
	Short-term value (VRC: binding regulatory value)	442 mg / m <sup>3</sup>
Methylethylene	Temporary weighted average exposure limit value 8 h (VRC: Binding regulatory value)	200 ppm
	Temporary weighted average exposure limit value 8 h (VRC:	600 mg / m <sup>3</sup>
	Binding regulatory value) Short-term value (VRC: binding regulatory value)	300 ppm
	Short-term value (VRC: binding regulatory value)	900 mg / m <sup>3</sup>
Toluene	Temporary weighted average exposure limit value 8 h (VRC:	20 ppm
	Binding regulatory value) Temporary weighted average exposure limit value 8 h (VRC:	76.8 mg / m
	Binding regulatory value)	
	Short-term value (VRC: binding regulatory value)	100 ppm
	Short-term value (VRC: binding regulatory value)	384 mg / m <sup>3</sup>
XylËnes, isomËres mixtes, purs	Temporary weighted average exposure limit value 8 h (VRC: Binding regulatory value)	50 ppm
	Temporary weighted average exposure limit value 8 h (VRC: Binding regulatory value)	221 mg / m <sup>3</sup>
	Short-term value (VRC: binding regulatory value)	100 ppm
Zinc (oxyde de, fumÈes)	Short-term value (VRC: binding regulatory value) Temporarily weighted average exposure limit value 8 h (VL:	442 mg / m <sup>3</sup> 5 mg / m <sup>3</sup>
Zinc (oxyde de, poussiËres)	Non-indicative regulatory value) Temporarily weighted average exposure limit value 8 h (VL:	10 mg / m <sup>3</sup>
	Non-indicative regulatory value)	i ing / inf
ик		
basis: ATP4	Date of creation: 2004-01-08	

2,6-Di-tert-butyl-p-cresol		Tamage Street 11.1		
			rage exposure limit value 8 h	10 mg / m³
Dutan Quana (mathud athud luatana)		(Workplace exposure limit		200
Butan-2-one (methyl ethyl ketone)		(Workplace exposure limit	rage exposure limit value 8 h	200 ppm
			rage exposure limit value 8 h	600 mg / m
		(Workplace exposure limit		ooo mg / m
			ace exposure limit (EH40 / 2005))	300 ppm
			ace exposure limit (EH40 / 2005))	899 mg / m
Ethylbenzene			rage exposure limit value 8 h	100 ppm
		(Workplace exposure limit		
			rage exposure limit value 8 h	441 mg / m
		(Workplace exposure limit		
			ace exposure limit (EH40 / 2005))	125 ppm
		Short-term value (Workpla	ace exposure limit (EH40 / 2005))	552 mg / m
Rosin-based solder flux fume		Temporarily weighted average exposure limit value 8 h		0.05 mg / n
		(Workplace exposure limit	(EH40 / 2005))	
		Short-term value (Workpla	ace exposure limit (EH40 / 2005))	0.15 mg / n
Toluene		Temporarily weighted ave	rage exposure limit value 8 h	50 ppm
		(Workplace exposure limit	: (EH40 / 2005))	
		Temporarily weighted ave	rage exposure limit value 8 h	191 mg / m
		(Workplace exposure limit	(EH40 / 2005))	
		Short-term value (Workpla	ace exposure limit (EH40 / 2005))	100 ppm
		Short-term value (Workpl:	ace exposure limit (EH40 / 2005))	384 mg / m
) National Biological Limits These				
Procedure for sampling f applicable and available, this is in	ndicated below.	NIOSH		
2,6-Di-tert-Butyl-p-Cresol (DBPC)		NIOSH	1 (226)	
P-Butanone (MEK) (Methyl ethyl ke	tone)	NIOSH	2500	
-Butanone (Methyl ethyl ketone)		OSHA	84	
P-Butanone (organic and inorganic	gases by Extractive FTIR)	NIOSH	3800	
2-Butanone (Volatile Organic Com	pounds)	NIOSH	2549	
2-Butanone		OSHA	1004	
2-Butanone		OSHA	13	
ACETONE and METHYL ETHYL	ETONE in urine	NIOSH	8319	
Di-tert-butyl-p-cresol		OSHA	2108	
Ethyl Benzene (Hydrocarbons, Ard	matic)	NIOSH	1501	
Ethyl Benzene		OSHA	1002	
Ethyl Benzene		OSHA	7	
MEK		NIOSH	8002	
Methyl Ethyl Ketone (Ketones I)		NIOSH	2555	
Methyl Ethyl Ketone		OSHA	16	
Toluene (Hydrocarbons, aromatic)		NIOSH	1501	
Foluene (organic and inorganic ga	ses by Extractive ETIR)	NIOSH	3800	
Foluene (Volatile Organic Compou		NIOSH	2549	
· · · ·	nus)	NIOSH		
Toluene in blood			8007	
Toluene		NIOSH	4000	
oluene		NIOSH	8002	
oluene		NIOSH	95-117	
Toluene		OSHA	111	
(ylene (Volatile Organic Com <mark>pour</mark>	ds)	NIOSH	2549	
inc (Elements)		NIOSH	7300	
Zinc Oxide		NIOSH	7030	
		NIOSH	7502	
Zinc Oxide		OSHA	ID 121	
Zinc Oxide Zinc Oxide 3 Applicable limit values for the i The limit values are listed below, in	ntended use nsofar as they are available and applical	ble.		
Zinc Oxide Zinc Oxide 3 Applicable limit values for the i The limit values are listed below, in 4 DNEL / PNEC Value DNEL - Employees Toluene	nsofar as they are available and applical	ble.	haus	hu
Zinc Oxide Zinc Oxide Applicable limit values for the i The limit values are listed below, in DNEL / PNEC Value DNEL - Employees Toluene Threshold (DNEL / DMEL)	nsofar as they are available and applical		Value	Note
Zinc Oxide Zinc Oxide Applicable limit values for the i The limit values are listed below, in DNEL / PNEC Value DNEL - Employees Foluene	nsofar as they are available and applical Typ Acute systemic effects, inha	lation	384 mg / m	Note
Zinc Oxide Zinc Oxide Applicable limit values for the i The limit values are listed below, ir DNEL / PNEC Value DNEL - Employees Foluene Threshold (DNEL / DMEL)	Typ Acute systemic effects, inha Acute local effects, inhalatio	lation	384 mg / m 384 mg / m	Note
Zinc Oxide Zinc Oxide Applicable limit values for the i The limit values are listed below, ir DNEL / PNEC Value DNEL - Employees Foluene Threshold (DNEL / DMEL)	Typ Acute systemic effects, inha Acute local effects, inhalatio Long-term systemic effects,	ilation on dermal	384 mg / m 384 mg / m 384 mg / kg bw / Tag	Note
Zinc Oxide Zinc Oxide Applicable limit values for the i The limit values are listed below, ir DNEL / PNEC Value DNEL - Employees Foluene Threshold (DNEL / DMEL)	Typ Acute systemic effects, inha Acute local effects, inhalatio	ilation on dermal	384 mg / m 384 mg / m	Note
Zinc Oxide Zinc Oxide Applicable limit values for the i The limit values are listed below, ir DNEL / PNEC Value DNEL - Employees Foluene Threshold (DNEL / DMEL)	Typ Acute systemic effects, inha Acute local effects, inhalatio Long-term systemic effects,	llation on dermal inhalation	384 mg / m 384 mg / m 384 mg / kg bw / Tag	Note
Zinc Oxide Zinc Oxide Applicable limit values for the i The limit values are listed below, ir DNEL / PNEC Value DNEL - Employees Foluene Threshold (DNEL / DMEL)	Typ Acute systemic effects, inha Acute local effects, inhalatio Long-term systemic effects, Long-term systemic effects,	llation on dermal inhalation	384 mg / m 384 mg / m 384 mg / kg bw / Tag	Note
Zinc Oxide Zinc Oxide Zinc Oxide Applicable limit values for the i The limit values are listed below, ir DNEL / PNEC Value DNEL / PNEC Value DNEL / DNEL Threshold (DNEL / DMEL) DNEL	Typ Acute systemic effects, inha Acute local effects, inhalatio Long-term systemic effects, Long-term systemic effects,	llation on dermal inhalation	384 mg / m 384 mg / m 384 mg / kg bw / Tag 192 mg / m 192 mg / m	Note
Zinc Oxide Zinc Oxide Applicable limit values for the i The limit values are listed below, ir DNEL / PNEC Value DNEL - Employees Foluene Threshold (DNEL / DMEL)	Typ Acute systemic effects, inha Acute local effects, inhalatio Long-term systemic effects, Long-term systemic effects,	llation on dermal inhalation	384 mg / m 384 mg / m 384 mg / kg bw / Tag	Note

Threshold (DNEL / DMEL)	Тур	Value	Note
DNEL	Long-term systemic effects, inhalation	600 mg / m³	
	Long-term systemic effects, dermal	1161 mg / kg bw / Tag	
c oxide			
Threshold (DNEL / DMEL)	Тур	Value	Note
DNEL	Long-term systemic effects, inhalation	5 mg / m <sup>3</sup>	
Ditart hutul planaal	Long-term systemic effects, dermal	83 mg / kg bw / day	31-51
6-Di-tert-butyl-p-cresol Fhreshold (DNEL / DMEL)	Тур	Value	Note
DNEL	Long-term systemic effects, dermal	0.5 mg / kg bw / day	Note
	Long-term systemic effects, inhalation	3.5 mg / m <sup>3</sup>	
lol			1992-
Threshold (DNEL / DMEL)	Тур	Value	Note
DNEL	Acute systemic effects, inhalation	289 mg / m³	
	Acute local effects, inhalation	289 mg / m³	
	Long-term systemic effects, dermal	180 mg / kg bw / Tag	
	Long-term systemic effects, inhalation	77 mg / m³	
	true	Value	Mata
Threshold (DNEL / DMEL)	Typ		Note
	Long-term systemic effects, inhalation	117 mg / m <sup>3</sup> 17 mg / kg bw / Tag	
drocarbons, C7, n-alkanes, iso		17 mg/kg bw/ tag	
Threshold (DNEL / DMEL)	Typ	Value	Note
DNEL	Long-term systemic effects, inhalation	2085 mg / m <sup>3</sup>	
	Long-term systemic effects, dermal	300 mg / kg bw / day	
hylbenzol			
Threshold (DNEL / DMEL)	Тур	Value	Note
DNEL	Long-term systemic effects, inhalation	77 mg / m³	
	Acute local effects, inhalation	293 mg / m³	
	Long-term systemic effects, dermal	180 mg / kg bw / day	2000 C
NEL - General population			
		Value	<b>b</b> 1. 4
Threshold (DNEL / DMEL) DNEL	Typ Acute local effects, dermal		Note
	Acute local effects, inhalation	226 mg / m <sup>3</sup> 226 mg / m <sup>3</sup>	
	Long-term systemic effects, dermal	226 mg / kg bw / day	
	Long-term systemic effects, inhalation	56.5 mg / m <sup>3</sup> 8.13	3
	Long-term systemic effects, oral	mg / kg bw / day 56.5	
	Local long-term effects, inhalation	mg / m³	
tanone			0.2
Threshold (DNEL / DMEL)	Тур	Value	Note
DNEL	Long-term systemic effects, inhalation	106 mg / m³	
	Long-term systemic effects, dermal	412 mg / kg bw / day	
c oxide	Long-term systemic effects, oral	31 mg / kg bw / day	
		Value	b.
Threshold (DNEL / DMEL) DNEL	Typ		Note
	Long-term systemic effects, inhalation	2.5 mg / m <sup>3</sup>	
	Long-term systemic effects, dermal Long-term systemic effects, oral	83 mg / kg bw / day 0.83 mg / kg bw / day	
6-Di-tert-butyl-p-cresol		p.os mg / kg bw / day	
Threshold (DNEL / DMEL)	Тур	Value	Note
DNEL	Long-term systemic effects, dermal	0.25 mg / kg bw / day	
	Long-term systemic effects, inhalation	0.86 mg / m <sup>3</sup> 0.25	
	Long-term systemic effects, oral	mg / kg bw / day	
101			0.24
Threshold (DNEL / DMEL)	Тур	Value	Note
DNEL	Acute systemic effects, inhalation	174 mg / m³	
	Acute local effects, inhalation	174 mg / m <sup>3</sup>	
	Long-term systemic effects, dermal	108 mg / kg bw / Tag	
	Long-term systemic effects, inhalation	14.8 mg / m <sup>3</sup> 1.6 mg /	
lanhanium	Long-term systemic effects, oral	kg bw / Tag	
Diophonium Threshold (DNEL / DMEL)	Тур	Value	Note
DNEL	Long-term systemic effects, inhalation	35 mg / m <sup>3</sup>	NOLE
	Long-term systemic effects, dermal	10 mg / kg bw / day	
	Long-term systemic effects, oral	10 mg / kg bw / day	
	, or an		20 J
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ydrocarbons, C7, n-alkan <mark>es, isoal</mark> Threshold (DNEL / DMEL)		ds	Value	Note
DNEL	Typ Long-term syste	emic effects, inhalation	447 mg / m <sup>3</sup>	Note
		emic effects, dermal	149 mg / kg bw / Tag	
	Long-term syste	emic effects, oral	149 mg / kg bw / Tag	
	E.		Value	
Threshold (DNEL / DMEL) DNEL	Typ	emic effects, inhalation	15 mg / m	Note
		emic effects, oral	1.6 mg / kg bw / day	
NEC				
bluene		history		
Media Sewage water		Value 0.68 mg / I	Note	
Meerwasser		0.68 mg / l		
Water (intermittent release)		0.68 mg / I		
STP		13.61 mg / I		
Sewage sediment Seawater sediment		16.39 mg / kg Sediment dw		
Boden		16.39 mg / kg Sediment dw 2.89 mg / kg Boden dw		
utanone		2.00 mg / kg Boden dw		
Media		Value	Note	
Sewage water		55.8 mg / I		
Meerwasser Water (intermittent release)		55.8 mg / I 55.8 mg / I		
STP		709 mg / I		
Sewage sediment		284.74 mg / kg Sediment dw		
Seawater sediment		284.7 mg / kg Sediment dw		
Boden		22.5 mg / kg Boden dw		
Food nc oxide		1000 mg / kg food		
Media		Value	Note	
Sewage water		20.6 /g / I		
Meerwasser		6.1 /g / I		
STP		100 /g / I		
Sewage sediment Seawater sediment		117.8 mg / kg Sediment dw 56.5 mg / kg Sediment dw		
Boden		35.6 mg / kg Boden dw		
6-Di-tert-butyl-p-cresol				
Media		Value	Note	
Sewage water Meerwasser		0.199 /g / I 0.0199 /g / I		
Water (intermittent release)		1.99 µg / l		
STP		0.17 mg / l		
Sewage sediment		99.6 /g / kg Sediment dw		9
Seawater sediment Boden		9.96 /g / kg Sediment dw		
Oral		47.69 /g / kg Boden dw 8.33 mg / kg diet		
ylol				
Media		Value	Note	
Sewage water		0.327 mg / l		
Meerwasser Water (intermittent release)		0.327 mg / l 0.327 mg / l		
STP		6.58 mg / I		
Sewage sediment		12.46 mg / kg Sediment dw		
Seawater sediment		12.46 mg / kg Sediment dw		
Boden		2.31 mg / kg Boden dw	/	
olophonium		Value	Note	1
Sewage water		0.0016 mg / I	note	
Meerwasser		0.00016 mg / l		
Water (intermittent release)		0.016 mg / I		
STP Sewage sediment		10 mg / I		
Sewage sediment Seawater sediment		0.007 mg / kg Sediment dw 0.0007 mg / kg Sediment dw		
Boden		0.00045 mg / kg Boden dw		
asis: ATP4			Date of creation: 2004	-01-08

## **Soudal Carjoint**

Media	Value	Note	
Sewage water	0.1 mg / l	and the second sec	
Meerwasser	0.01 mg / I		
Vater (intermittent release)	0.1 mg / l		
STP	9.6 mg / I		
Sewage sediment	13.7 mg / kg Sediment dw		
Boden	2.68 mg / kg Boden dw		
Oral	0.02 g / kg food		

#### 8.1.5 Control banding

If applicable and available, this is indicated below.

### 8.2 Limitation and monitoring of exposure:

The information contained in this section is a general description. If applicable and available, the exposure scenarios are included in the appendix. You must always use related exposure scenarios that correspond to their identified uses.

#### 8.2.1 Remove suitable technical control devices from

open flames / heat sources. In case of insufficient ventilation: Avoid open flames / sparks. In case of insufficient ventilation: Spark-free / explosion-proof equipment / lights. Take regular concentration measurements in the air. Work under local suction / ventilation.

#### 8.2.2 Individual protective measures, for example personal protective equipment

Strict Hygiene adhered to. Keep container tightly closed. Do not eat, drink or smoke at work. a) Respiratory

protection: Gas mask with filter type A at conc. in the air> Exposure limit value. b) Gloves: Gloves. c) Eye

protection: Goggles.

### d) Skin protection:

Protective clothing.

8.2.3 Limitation and monitoring of environmental exposure: See points 6.2, 6.3 and 13

### SECTION 9: Physical and chemical properties

Appearance	Thick fluid	
Smell	Solvent odor	
Odor threshold	No data available	
Color	Product color is compositional	
Particle graph	No data available	
Explosion limits	No data available	
Inflammability	Liquid and vapor easily flammable.	
Log Kow	Not applicable (mixture)	
Dynamic Viscosity	No data available	
Kinematic viscosity	No data available	
Melting point	No data available	
Boiling point	No data available	
Flash point	<23 ° C	
Evaporation rate	No data available	,
Relative vapor density		
Vapor pressure	<mark>1 &lt;1100hPa; 5</mark> 0 ° C	
Solubility	Water; unl^slich	
Relative density	>1	
Decomposition temperature	No data available	
Self-ignition temperature	No data available	
Danger of explosion	No chemical group that is associated with explosive properties	
Oxidizing properties pH	No chemical group that is associated with oxidizing properties	
	No data available	
ther information:		
Absolute density	> 1000kg / m <sup>3</sup>	
N 10: Stability and reactivi	ty in the second se	
Reactivity:		
Possible inflammation by sparks. Gas /	<mark>' vapor spreads in soil: Dan</mark> ger of ignition.	

Processing basis: ATP4

### Date of creation: 2004-01-08 Date of preparation: 2015-02-14

Processing number: 0500

#### **Soudal Carjoint** Stable under normal conditions. 10.3 Possibility of dangerous reactions: No data available. 10.4 To avoid conditions: Keep away from open flames / heat sources. In case of insufficient ventilation: Avoid open flames / sparks. In case of insufficient ventilation: Spark-free / explosionproof equipment / lights. 10.5 Intolerable materials: No data available. 10.6 Hazardous decomposition products: Upon combustion, CO and CO2 are formed and metal formation is pumped out. SECTION 11: Toxicological information 11.1 Information on toxicological effects: 11.1.1 Test results Acute toxicity Soudal Carjoint No (experimental) data on the mixture are available Toluene Parameter Method Value Expositionsweg Exposure time Valuation Note Species Oral (one dosage) LD50 equivalent to OECD 5580mg / kg bw Rat (male) Experiment 401 /alue Dermal LD50 Rabbit Other <mark>> 5000mg</mark> / kg bw 24 **S**tdn Experimental /alue (male) 4 Stdn Inhalation (Damp) LC50 equivalent to OECD 25.7mg / I Air 403 Rat (male) Experimenta Value Butanone Parameter Method Value Expositionsweg Exposure time Species Valuation Note Oral LD50 fquivalent with OECD 2054mg / kg Rat (male) Read-acros 123 Oral LD50 Read-across equivalent with OECD 2328mg / kg Rat (female) 123 f equivalent with OECD 2193mg LD50 Oral Ratte Read-across kg bw 123 24 Stdn LD50 Rabbit Dermal fquivalent with OECD> 0ml / kg bw Experimental 102 Value (male) Inhalation Data waiver Zinc oxide Parameter Method Value Exposure time Expositionsweg Species Valuation Note LD50 Oral fquivalent with OECD> 000mg / kg Ratte Experimental 401 /alue (male / female) LD50 OECD 402 Dermal Ratte 2000mg / kg bw 24 Stdn Experimental (male / female) Value 4 Stdn Ratte Inhalation (Stube) LC50 fquivalent with OECD> 5.7mg / I Experimental 403 Value (male / female) 2,6-Di-tert-butyl-p-cresol Parameter Method Expositionsweg Exposure time Species Valuation Note LD50 **OECD** 401 Oral <mark>/alue> 6000mg /</mark> kg b Rat Experimental Value (male / female) LD50 **OECD 402** Dermal 2000mg / kg bw 24 Stdn Ratte Experimental /alue (male / female) Parameter N thod Value Valuation Note Expositionsweg Exposure time Species LD50 OECD 401 <mark>3523mg /</mark> kg bw Oral Rat (male) Experiment /alue Oral LD50 **OECD** 401 Rat (female) 4000mg / kg bw Experimental Value Dermal LD50 **OECD 402** Rabbit 4200mg / kg bw 4 Stdn Experimental /alue (male) Dermal Category 4 Appendix VI Inhalation LC50 OECD 403 4 Stdn Rat (male) Experiment 27.57mg / I Value Inhalation Category 4 Appendix VI Processing basis: ATP4 Date of creation: 2004-01-08 Date of preparation: 2015-02-14 Product number: 40318 11/30 Processing number: 0500

olophonium_	ID-second second	I.a	h	Ē . Ē			ì
Expositionsweg Oral	Parameter	Other	Value 2800mg / kg bw		atte	Valuation Note Experimental	
e di	2200	Other	2000mg / kg bw		male / female)	Value	
Dermal	LD50	OECD 402	> 2000m <mark>g</mark> / kg bw 24	otan	Ratte	Experimental	
Inhalation	-				male / female)	Value Data waiver	
	lkanes, isoalkan	es, cyclic compounds		ta da			
Expositionsweg	Parameter	Nethod			pecies	Valuation Note	
Oral	LD50	Other	Value> <b>5840mg /</b> kg	r"	Rat	Read-across	
Dermal	LD50	Other	> 2800mg / kg bw 24	F	male / female) Rat	Read-across	
				(1	male / female)		
Inhalation (Damp)	LC50	fquivalent with OECD	<mark>&gt; 23.3mg</mark> / I Air 4 hou		Ratte male / female)	Read-across	
thylbenzol					male / Temale)		
Expositionsweg	Parameter	Vethod	Value		pecies	Valuation Note	
Oral (one dosage)	LD50		3500mg / kg	and the second se	Ratte	Experimental Value	
Dermal	LD50	Other	15432mg / kg		male / female) Rabbit	Experimental	
				· · · · · · · · · · · · · · · · · · ·	male)	Value	
Inhalation udging is based on th	LC50	Other	4000ppm	4 Stdn	Rat (male) literature	tudy	
o (experimental) data luene Exposure path res		are available Method	Exposure time	Time	Species	Valuation Note	
Eye	No irritant effe		Exposure time	24; 48; 72 hours ral		Experimental	Once upon a time
		OECD 405				Value	Administrati
Haut	Irritant effect	fquivalent mit OECD 404	4 Stdn	24; 48; 72 hours ral	bbit	Experimental Value	
utanone							
Exposure path res	ult	Method	Exposure time	Time	Species	Valuation Note	
Eye	Irritant effect	fquivalent mit OECD 405			Rabbit	Experimental Value	Once upon a time
		0200 100					Exposition
Haut	No stim <mark>ulus ef</mark>	ect OECD 404	4 Stdn		Rabbit	Read-across	
nc oxide							
nc oxide Exposure path res	ult	Method	Exposure time	Time	Species	Valuation Note	
nc oxide		Method		<b>Time</b> 24; 72 Std			
nc oxide Exposure path res	u <mark>lt</mark> No stim <mark>ulus ef</mark> i	Method	Exposure time		Species	Valuation Note Experimental Value Experimental	
nc oxide <b>Exposure path res</b> Eye Haut	i <b>u It</b> No stim <mark>ulus efi</mark> No stim <mark>ulus efi</mark>	Method fect O ECD 405	Exposure time	24; 72 Std	Species Rabbit	Valuation Note Experimental Value	
nc oxide <b>Exposure path res</b> Eye	No stim <mark>ulus efi</mark>	Method fect O ECD 405	Exposure time	24; 72 Std	Species Rabbit	Valuation Note Experimental Value Experimental	
nc oxide Exposure path res Eye Haut 6-Di-tert-butyl-p-cress	No stim <mark>ulus efi</mark>	Method ect O ECD 405 ect O ECD 404 Method	Exposure time 24 Stdn 24 Stdn	24; 72 Std 24 hours	Species Rabbit Rabbit	Valuation Note         Experimental         Value         Experimental         Value         Value         Experimental         Value	
nc oxide Exposure path res Eye Haut 6-Di-tert-butyl-p-cress Exposure path res	No stimulus eff	Method ect O ECD 405 ect O ECD 404 Method ect O ECD 405	Exposure time 24 Stdn 24 Stdn	24; 72 Std 24 hours Time	Species Rabbit Rabbit Species	Valuation Note         Experimental         Value         Experimental         Value	
nc oxide Exposure path res Eye Haut 6-Di-tert-butyl-p-cress Exposure path res Eye Haut	No stimulus eff	Method ect O ECD 405 ect O ECD 404 Method ect O ECD 405	Exposure time 24 Stdn 24 Stdn	24; 72 Std 24 hours <b>Time</b> 24; 72 Std	Species Rabbit Rabbit Species Rabbit	Valuation Note         Experimental         Value         Experimental         Value	
nc oxide Exposure path res Eye Haut 6-Di-tert-butyl-p-cress Exposure path res Eye Haut	It       No stimulus eff       No stimulus eff       It       No stimulus eff       It       No stimulus eff	Method           ect O ECD 405           ect O ECD 404           Method           ect O ECD 405           ect O ECD 405           ect O ECD 404	Exposure time 24 Stdn 24 Stdn Exposure time	24; 72 Std 24 hours Time 24; 72 Std 24; 72 Std	Species Rabbit Rabbit Species Rabbit Rabbit	Valuation Note         Experimental         Value         Experimental         Value         Value         Value         Experimental         Value         Experimental         Value         Experimental         Value         Experimental         Value	
nc oxide Exposure path res Eye Haut 6-Di-tert-butyl-p-cress Exposure path res Eye Haut	It       No stimulus eff       No stimulus eff       It       No stimulus eff       It       No stimulus eff	Method           ect O ECD 405           ect O ECD 404           Method           ect O ECD 405           ect O ECD 405           ect O ECD 404	Exposure time 24 Stdn 24 Stdn	24; 72 Std 24 hours <b>Time</b> 24; 72 Std	Species Rabbit Rabbit Species Rabbit Rabbit Species	Valuation Note         Experimental         Value         Experimental         Value         Value         Value         Value         Experimental         Value         Experimental         Valuation Note         Experimental         Value         Experimental         Experimental         Value	
nc oxide Exposure path res Eye Haut 6-Di-tert-butyl-p-cress Exposure path res Eye Haut viol Exposure path res Eye	No stimulus eff No stimulus eff U U U No stimulus eff No stimulus eff No stimulus eff No stimulus eff Mos fig traveling	Method           ect O         CD 405           ect O         CD 404           Method         CD 405           ect O         CD 405           ect O         ECD 404           Method         OECD 405           ect O         ECD 404	Exposure time 24 Stdn 24 Stdn 24 Stdn Exposure time	24; 72 Std 24 hours Time 24; 72 Std 24; 72 Std 24; 72 Std Time 24; 48; 72 hours rat	Species Rabbit Rabbit Species Rabbit Rabbit Species	Valuation Note         Experimental         Value         Experimental         Value         Valuation Note         Experimental         Value         Value         Value         Value         Experimental         Value         Experimental         Value         Experimental         Value         Value	
nc oxide Exposure path res Eye Haut 6-Di-tert-butyl-p-cress Exposure path res Eye Haut Vol Exposure path res	No stimulus eff No stimulus eff U U U No stimulus eff No stimulus eff No stimulus eff U	Method           ect O         CD 405           ect O         CD 404           Method         CD 405           ect O         CD 405           ect O         ECD 404           Method         OECD 405           ect O         ECD 404	Exposure time 24 Stdn 24 Stdn Exposure time	24; 72 Std 24 hours Time 24; 72 Std 24; 72 Std Time	Species Rabbit Rabbit Species Rabbit Rabbit Species	Valuation Note         Experimental         Value         Experimental         Value         Valuation Note         Experimental         Value         Experimental         Value         Value         Value         Value         Experimental         Value         Experimental         Value         Experimental         Value         Experimental         Value	
nc oxide Exposure path res Eye Haut 6-Di-tert-butyl-p-cress Exposure path res Eye Haut Vol Exposure path res Eye Haut Inhalation	No stimulus eff No stimulus eff U U U No stimulus eff No stimulus eff No stimulus eff No stimulus eff Mos fig traveling	Method           ect O         CD 405           ect O         CD 404           Method         CD 405           ect O         CD 405           ect O         ECD 404           Method         OECD 405           ect O         ECD 404	Exposure time 24 Stdn 24 Stdn 24 Stdn Exposure time	24; 72 Std 24 hours Time 24; 72 Std 24; 72 Std 24; 72 Std Time 24; 48; 72 hours rat	Species Rabbit Rabbit Species Rabbit Rabbit Species	Valuation Note         Experimental         Value         Experimental         Value         Valuation Note         Experimental         Value         Value         Value         Value         Value         Value         Value         Experimental         Value         Experimental         Value         Experimental         Value         Experimental         Value         Experimental         Value	
nc oxide Exposure path res Eye Haut 6-Di-tert-butyl-p-cress Exposure path res Eye Haut Vol Exposure path res Eye Haut Inhalation (Steam)	It         No stimulus eff         No stimulus eff         It         No stimulus eff         No stimulus eff         It         No stimulus eff         It         No stimulus eff         No flig traveling         No flig traveling         No flig traveling	Method           ect O         CD 405           ect O         CD 404           Method         CD 405           ect O         CD 405           ect O         ECD 404           Method         OECD 405           ect O         ECD 404	Exposure time 24 Stdn 24 Stdn 24 Stdn Exposure time Exposure time 4 Stdn	24; 72 Std 24 hours Time 24; 72 Std 24; 72 Std 24; 72 Std Time 24; 48; 72 hours rat	Species Rabbit Rabbit Species Rabbit Rabbit Species bit Rabbit	Valuation Note         Experimental         Value         Experimental         Value         Valuation Note         Experimental         Value         Value         Value         Value         Value         Value         Value         Experimental         Value         Experimental         Value         Experimental         Value         Experimental         Value         Experimental         Value	
nc oxide Exposure path res Eye Haut 6-Di-tert-butyl-p-cress Eye Haut Viol Exposure path res Eye Haut Inhalation (Steam) olophonium	It         No stimulus eff         No stimulus eff         It         No stimulus eff         No stimulus eff         No stimulus eff         No stimulus eff         Mo stimulus eff         No stimulus eff         No stimulus eff         No stimulus eff         No stimulus eff         It         M % flig traveling         Irritant effect	Method           ect O         CD 405           ect O         CD 404           Method         CD 405           ect O         CD 405           ect O         ECD 404           Method         OECD 405           ect O         ECD 404	Exposure time 24 Stdn 24 Stdn 24 Stdn Exposure time Exposure time 4 Stdn	24; 72 Std 24 hours Time 24; 72 Std 24; 72 Std 24; 72 Std Time 24; 48; 72 hours rat	Species Rabbit Rabbit Species Rabbit Rabbit Species bit Rabbit	Valuation Note         Experimental         Value         Experimental         Value         Valuation Note         Experimental         Value         Value         Value         Value         Value         Value         Value         Experimental         Value         Experimental         Value         Experimental         Value         Experimental         Value         Experimental         Value	
nc oxide Exposure path res Eye Haut 6-Di-tert-butyl-p-cress Exposure path res Eye Haut Vol Exposure path res Eye Haut Inhalation (Steam)	It         No stimulus eff         No stimulus eff         It         No stimulus eff         No stimulus eff         No stimulus eff         No stimulus eff         Mo stimulus eff         No stimulus eff         No stimulus eff         No stimulus eff         No stimulus eff         It         M % flig traveling         Irritant effect	Method       ect O     ECD 405       ect O     ECD 404       Method       ect O     ECD 405       ect O     ECD 404       Method       OECD 404       Image: Comparison of the second seco	Exposure time 24 Stdn 24 Stdn 24 Stdn Exposure time Exposure time 4 Stdn 4 Stdn	24; 72 Std 24 hours Time 24; 72 Std 24; 72 Std 24; 72 Std 24; 48; 72 hours ral 24; 48; 72 hours ral	Species Rabbit Rabbit Species Rabbit Rabbit Rabbit Rabbit Rabbit Rabbit Man Species	Valuation Note         Experimental         Value         Experimental         Value         Valuation Note         Experimental         Value	Conce upon a time
nc oxide Exposure path res Eye Haut 6-Di-tert-butyl-p-cress Eye Haut Vol Exposure path res Eye Haut Inhalation (Steam) olophonium. Exposure path res Eye	No stimulus eff No stimulus eff No stimulus eff No stimulus eff No stimulus eff No stimulus eff No flig traveling M % flig traveling Irritant effect No stimulus eff	Method           iect O         ECD 405           iect O         ECD 404           Method         iect O           iect O         ECD 405           iect O         ECD 405           iect O         ECD 404           Method         OECD 405           iect O         ECD 404           Method         OECD 405           iect O         ECD 405           iect O         ECD 405           iect O         ECD 405	Exposure time 24 Stdn 24 Stdn Exposure time Exposure time 4 Stdn 4 Stdn Exposure time	24; 72 Std 24 hours Time 24; 72 Std 24; 72 Std 24; 72 Std 24; 72 Std 24; 72 Std 24; 72 Std 7 Time 24; 72 Std 24; 72 Std	Species Rabbit Rabbit Species Rabbit Rabbit Rabbit Rabbit Rabbit Rabbit Rabbit Man Species bit Species bit Rabbit Man	Valuation Note         Experimental         Value         Experimental         Value         Valuation Note         Experimental         Value         Value         Valuation Note         Experimental         Value         Value	
nc oxide Exposure path res Eye Haut 6-Di-tert-butyl-p-cress Eye Haut viol Exposure path res Eye Haut Inhalation (Steam) olophonium. Exposure path res	No stimulus eff No stimulus eff No stimulus eff No stimulus eff No stimulus eff No stimulus eff No flig traveling M % flig traveling Irritant effect No stimulus eff	Method         ect O       ECD 405         ect O       ECD 404         Method       ECD 405         ect O       ECD 404         ect O       ECD 405         ect O       ECD 404         Method       OECD 405         I       OECD 405         I       I         Method       OECD 405         I       I         Method       I	Exposure time 24 Stdn 24 Stdn 24 Stdn Exposure time Exposure time 4 Stdn 4 Stdn	24; 72 Std 24 hours Time 24; 72 Std 24; 72 Std 24; 72 Std 24; 72 Std 24; 72 Std 24; 72 Std	Species Rabbit Rabbit Species Rabbit Rabbit Rabbit Rabbit Rabbit Rabbit Rabbit Man Species bit Species bit Rabbit Man	Valuation Note         Experimental         Value         Experimental         Value         Valuation Note         Experimental         Value	
nc oxide Exposure path res Eye Haut 6-Di-tert-butyl-p-cress Eye Haut Vol Exposure path res Eye Haut Inhalation (Steam) olophonium. Exposure path res Eye	No stimulus eff No stimulus eff No stimulus eff No stimulus eff No stimulus eff No stimulus eff No flig traveling M % flig traveling Irritant effect No stimulus eff	Method           iect O         ECD 405           iect O         ECD 404           Method         iect O           iect O         ECD 405           iect O         ECD 405           iect O         ECD 404           Method         OECD 405           iect O         ECD 404           Method         OECD 405           iect O         ECD 405           iect O         ECD 405           iect O         ECD 405	Exposure time 24 Stdn 24 Stdn Exposure time Exposure time 4 Stdn 4 Stdn Exposure time	24; 72 Std 24 hours Time 24; 72 Std 24; 72 Std 24; 72 Std 24; 72 Std 24; 72 Std 24; 72 Std 7 Time 24; 72 Std 24; 72 hours rates 24; 7	Species Rabbit Rabbit Species Rabbit Rabbit Rabbit Rabbit Rabbit Rabbit Rabbit Man Species bit Species bit Rabbit Man	Valuation Note         Experimental         Value         Experimental         Value         Valuation Note         Experimental         Value         Value         Valuation Note         Experimental         Value         Experimental         Value	
nc oxide Exposure path res Eye Haut 6-Di-tert-butyl-p-cress Eye Haut Vol Exposure path res Eye Haut Inhalation (Steam) olophonium. Exposure path res Eye	No stimulus eff No stimulus eff No stimulus eff No stimulus eff No stimulus eff No stimulus eff No flig traveling M % flig traveling Irritant effect No stimulus eff	Method           iect O         ECD 405           iect O         ECD 404           Method         iect O           iect O         ECD 405           iect O         ECD 405           iect O         ECD 404           Method         OECD 405           iect O         ECD 404           Method         OECD 405           iect O         ECD 405           iect O         ECD 405           iect O         ECD 405	Exposure time 24 Stdn 24 Stdn Exposure time Exposure time 4 Stdn 4 Stdn Exposure time	24; 72 Std 24 hours Time 24; 72 Std 24; 72 Std 24; 72 Std 24; 72 Std 24; 72 Std 24; 72 Std 7 Time 24; 72 Std 24; 72 hours rates 24; 7	Species Rabbit Rabbit Species Rabbit Rabbit Rabbit Rabbit Rabbit Rabbit Rabbit Man Species bit Species bit Rabbit Man	Valuation Note         Experimental         Value         Experimental         Value         Valuation Note         Experimental         Value         Value         Valuation Note         Experimental         Value         Experimental         Value	

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		nes, cyclic compounds					
Exposure path		Method	Exposure time	Time	Species	Valuation Note	
Eye	No irrita <mark>ting eff</mark>	fect Other			Rabbit	Read-across	Once upon a time Administratio
Haut	Irritant effect	f quivalent mit	4 Stdn	24; 48; 72 hours ra	abbit	Read-across	Auministratio
		OECD 404					
nylbenzol		Marth a d					1
Exposure path	Slightly traveling	Method Other	Exposure time	Time 7 days	Species Rabbit	Valuation Note Experimental	
Eye	olightly traveling	Other		7 days	1 Cabbit	Value	
Haut	M ‰ flig t <mark>raveling</mark>	Other	24 Stdn		Rabbit	Experimental	
	the relevant ingre					Value	
itory / skin sensi	n. the respiratory sys						
Exposure path re	esult	Method	Exposure time	Observation time	Species	Valuation Note	Ĩ
Haut	Not	f equivalent to OECD	72 Stdn	24: 48 hours	Guinea pigs	Experimental n	
	sensitizing	406		27, <del>10</del> 110015	(female)	Value	1
tanone				1			-
Exposure path re	sult	Method	Exposure time	Observation time	Species	Valuation Note	
Haut	Not	OECD 406		24; 48 hours	Guinea pigs	Experimental n	1
	sensitizing				(female)	Value	
c oxide							
Exposure path re	Not	Method OECD 406	Exposure time	Observation time point	Species	Valuation Note	
laut	sensitizing	OECD 400			Guinea pigs (female)	Experimental n Value	
Haut	Not	Observation of	2 days	72 Std	Man	Experimental	-
	sensitizing	People	(continuous)			Value	
S-Di-tert-butyl-p-cr		Method		Observation time	<b>E</b> manian	Maluatian Nata	
Exposure path re	suit	Method	Exposure time	Observation time point	Species	Valuation Note	
Haut	Not	Guinea pig		24; 48 hours	Guinea pigs	Experimental	
	sensitizing	Maximization test			n / . // .	Value	
				_	(male / female ch)	0	
Haut	Not	Observation of			Man	Experimental	*
	sensitizing	People			(male / female)	Value	
				1	ch)		
lol Exposure path re		Method	Exposure time	Observation time	Species	Valuation Note	1
	-Surt		Exposure time	point	opeoles		
Haut	Not	OECD 429		1	Mouse	Experimental	
lophonium	sensitizing			1		Value	
Exposure path re	esult	Method	Exposure time	Observation time	Species	Valuation Note	T
				point	•		
Haut	Not	Observation of			Man	Experimental	
	sensitizing	People			(male / female) ch)	Value	
	Not	Observation of			<sup>cn)</sup> Human	Read-across	
Haut	sensitizing	People		S	(female)		
Haut		nes, cyclic compounds					
drocarbons, C7,		Method	Exposure time	Observation time point	Species	Valuation Note	
drocarbons, C7,	esult			-	Guinea pigs	Read-across	
rdrocarbons, C7, Exposure path re	Not	f equivalent to OECD		24, 48 nours			
rdrocarbons, C7, Exposure path re		f equivalent to OECD 406		24; 48 hours	n (male / female ch)		
Haut r <u>drocarbons, C7,</u> E <b>xposure path r</b> o Haut	Not			24, 46 HOUIS	n (male / female		
rdrocarbons, C7, Exposure path ro Haut	Not				n (male / female ch)		
rdrocarbons, C7, Exposure path re	Not				n (male / female	004-01-08	

				300	uai	<u> </u>	rjoint			
ylbenzol	_		Method						T	
Exposure path result			Method	Expos	ure time	Obs poin	ervation time t	Species Va	luation Note	
Haut No	ot nsitizing		Other						ot conclusive, sufficient	
dging is based on the rele		nponer	nts					<u> </u>	Sumolent	
clusion										
t as a skin sensitizer										
t classified as an inhalation	on sensi	lizer								
target organ toxicity					· · · ·					
Carjoint	e mixture	are av	ailable							
uene										
Exposure path Param	eter met	hod		Value	Organ		Effect	Exposure time	Species	Value deter
					6				- <u> </u> .	g
Oral	NOAEL		fquivalent mit OECD 408	625mg / kg			No effect for 13		Mouse	Experiment Value
			0200 400	bw / Tag				5 days / week)	(male / female) ch)	Value
Dermal		_					1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.			Data waive
Inhalation	LOAEC		fquivalent mit	600ppm	Respiratory tra	ct	Erosion / Degen		Ratte	Experiment
(Steam)			OECD 453				ration des (6Stdr		(male / female)	Value
	1015-						Nasenepithels	Days / weeks)	ch)	
Inhalation	NOAEC		Observation of humans	50ppm	Central		No effect 4.5 hrs		Human	Experiment Value
tanone	-		numans		Nervous sy	ystem			(male)	Value
Exposure path Param	eter met	hod		Value	Organ		Effect	Exposure time	Species	Value dete
					J. J.	_		•		g
Oral										Data waive
Dermal										Data waive
	NOAEC		fquivalent mit	5041ppm			No effect 13 wee		Ratte	Experiment
(Steam)			OECD 413				-	(6Stdn / Tag, 5	(male / female	Value
Inhalation	-			STOT SE Kat.3	Central		Schl ‰ frigkeit,	Days / weeks)	ch)	Appendix V
(Steam)					Nervous sy	ystem	Benommenheit			
c oxide									(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	
Exposure path Param	eter met	hod		Value	Organ		Effect	Exposure time	Species	Value deter
Oral (Di ‰ t)	NOEL		OECD 408	3000ppm	-		No offect 13 wor	eks (daily) Rat (male / fe	mala)	g Read-acros
				Socoppin			No enect 15 wet	(daily) reat (male / le	(includ)	
c					0.0			100	ch)	
Inhalation	NOAEL		OECD 413	1.5mg / m³ Air	02		No effect 13 wee	ks	Rat (male) Experime	
(Aerosol)								(6Stdn / Tag, 5		Value
-Di-tert-butvl-p-cresol	-							Days / weeks)	699	
Exposure path Paran	eter met	hod		Value	Organ		Effect	Exposure time	Species	Value deter
					, <b>,</b> ,					g
Oral (Di ‰ t)	NOAEL			25mg / kg			No effect		Ratte	Experiment
				bw / Tag					(male / female)	Value
	-				2			100	ch)	
Exposure path Param	eter met	hod		Value	Organ		Effect	Exposure time	Species	Value dete
					-					g
Oral	LOAEL		fquivalent mit	150mg / kg	Liver		Weight gain	90 Day (s)	Rat	Experiment
			OECD 408	bw / Tag	/		me		(male / female)	Value
Inhalation	NOAEC		Subchronic	ÿ 3515mg / m³	8		No effect 13 wee	.ke	ch) Rat (male) Experime	otal
(Steam)	10/120		Toxicity ‰ tspr, fu	y 55 15mg / m-			NO enect 13 wee	(6Stdn / Tag, 5		Value
, ,			ng					Days / weeks)		
lophonium		_		L		÷		-	2 W 3	<b>.</b>
Exposure path Param	eter met	hod		Value	Organ		Effect	Exposure time	Species	Value deter
Oral (Di ‰ t)	NOAEL		Subchronic	0.2%	-		No effect 90 day	(5	Rat	g Not conclus
			Toxicity ‰ tspr, fu				in the course and		(male / female)	insufficient
			ng						ch)	Dates
Dermal										Data waive
Inhalation	_								1	Data waive
	-				1			7		
ing basis: ATP4							1	Date of creation: 2004-07		

# **Soudal Carjoint**

Exposure patier ara	meter method	es, cyclic compounds	Value	– Organ	Effect	Exposure time	Species	Value deterr
								g
Inhalation	NOAEC	Subchronic	12470mg / m <sup>3</sup>	Central	No effect 16 week	s (daily) Rat (monthly)	Read-across	
(Steam)		Toxicity ‰ tspr,fu	Air	Nervous system	l			
Inhalation	NOAEL	ng fquivalent mit	12350mg / m <sup>3</sup>	+	No	16 weeks	Rat	Read-across
(Steam)		OECD 413	Air		unwanted systemi		(male / female)	
(otourn)						Days / weeks)	ch)	
					Effects			
Inhalation	LOAEL	fquivalent mit	1650mg / m <sup>3</sup>	Central	CNS depression 2	6 weeks	Rat	Read-across
(Steam)		OECD 413	Air	Nervous system		(6Stdn / Tag, 5	(male / female)	
						Days / weeks)	ch)	5
thylbenzol							5755C	
Exposure path Para	meter method	ł	Value	Organ	Effect	Exposure time	Species	Value detern
Oral	NOAEL	OECD 407		Liver			Dotto	9
Oral	NUAEL		75mg / kg	Liver	Vergr <sup>f</sup> lerung / S	28 Tag (e)	Ratte	Experimenta Value
			bw / Tag		ch ‰ digung der Liver		(male / female)	value
Oral	NOAEL	OECD 408	75	Liver	in the second second	40	ch) Ratte	Turne dimension
Urai	NOALL	0200 400	75mg / kg	LIVEI	Vergr <sup>°</sup> flerung / S	13 week (s)		Experimenta Value
1			bw / Tag		approval of the Liver		(male / female)	
Oral	LOAEL	OECD 408	250mg / kg	Liver	Vergr <sup>flerung</sup> / S	13 week (s)	ch) Ratte	Experimenta
		0100	250mg / kg bw / Tag		approval of the	TS WEEK (S)	(male / female)	Experimenta Value
			bw/ Tag		Liver		ch)	l'alla e
Oral	NOAEL	Equivalent to 500n	a / ka		No effect 90 day (		Ratte	Experimenta
		OECD 424 bw / da	v Kg	1 1	No enect so day (		(male / female)	Value
		547 44	y				ch)	
Inhalation	LOAEC	fquivalent mit	75ppm		No effect 104 wee	ks	Ratte	Experimenta
(Steam)		OECD 453	, opp			(6Stdn / Tag, 5	(male / female)	Value
(,						Days / weeks)	ch)	
Inhalation	NOAEL	f quivalent mit	1000ppm		No effect 13 week	s	Rat	Experimenta
		OECD 413				(6Stdn / Tag, 5	(male / female)	Value
						Days / weeks)	ch)	
Inhalation	NOAEC	OECD 412	800ppm	Liver		4 weeks	Mouse	Experimenta
						(6Stdn / Tag, 5	(male / female)	Value
			-			Days / weeks)	ch)	
Inhalation	NOAEC	OECD 412	800ppm	Liver	Vergr <sup>flerung</sup> / S	4 weeks ch	Ratte	Experimenta
					‰ digung der	(6Stdn / Tag, 5	(male / female)	Value
rading is based on the re					Liver	Days / weeks)	ch)	ь
						-		
ay cause drowsiness an ot for subchronic toxicity ell mutagenicity (in vitr al Carjoint o (experimental) data on	ro)	re available						
ot for subchronic toxicity	ro)	re available			-			
ot for subchronic toxicity ell mutagenicity (in vitr al Carjoint o (experimental) data on	r <b>o)</b> I the mixture a	re available Method f		Test Substrate	Fti	lect	Valuation	
ot for subchronic toxicity ell mutagenicity (in vitr al Carjoint o (experimental) data on pluene	r <b>o)</b> In the mixture a		76	Test Substrate Mouse (Lymphoma		rect	Valuation Experimenta	ıl value
ot for subchronic toxicity ell mutagenicity (in vitr al Carjoint o (experimental) data on oluene Result	r <b>o)</b> In the mixture a	Method <i>f</i>	76					ıl value
ot for subchronic toxicity ell mutagenicity (in vitr al Carjoint o (experimental) data on oluene Result	r <b>o)</b> In the mixture a	Method <i>f</i>		Mouse (Lymphoma	a cells No			
ot for subchronic toxicity ell mutagenicity (in vitr al Carjoint o (experimental) data on oluene Result Negative	r <b>o)</b> In the mixture a	Method <i>f</i> equivalent to OECD 4		Mouse (Lymphoma L5178Y)	a cells No	effect	Experimenta	
ell mutagenicity (in vitr ell mutagenicity (in vitr al Carjoint o (experimental) data on pluene Result Negative Negative	ro) I the mixture a	Method <i>f</i> equivalent to OECD 4		Mouse (Lymphoma L5178Y)	a cells No urium) No	effect	Experimenta	
ell mutagenicity (in vitr ell mutagenicity (in vitr al Carjoint o (experimental) data on oluene Result Negative Negative utanone	ro) I the mixture a	Method f equivalent to OECD 4 f equivalent to OECD	9 471	Mouse (Lymphoma L5178Y) Bacteria (S.typhim	a cells No urium) No Eff	effect	Experimenta Experimenta	al value
ell mutagenicity (in vitr al Carjoint o (experimental) data on oluene Result Negative Utanone Result	ro)	Method f equivalent to OECD 4 f equivalent to OECD Method	.73	Mouse (Lymphoma L5178Y) Bacteria (S.typhim Test substrate	a cells No urium) No Eff	e effect	Experimenta Experimenta Valuation	al value al value
ot for subchronic toxicity ell mutagenicity (in vitr al Carjoint o (experimental) data on oluene Result Negative Utanone Result Negative Utanone Result Negative	ro)	Method f equivalent to OECD 4 f equivalent to OECD Method fquivalent to OECD 4	.73	Mouse (Lymphoma L5178Y) Bacteria (S.typhim Test substrate Rat liver cells	a cells No urium) No Eff	e effect effect iect e effect	Experimenta Experimenta Valuation Experimenta	al value al value
ot for subchronic toxicity ell mutagenicity (in vitr al Carjoint o (experimental) data on oluene Result Negative Utanone Result Negative	ro)	Method f equivalent to OECD 4 f equivalent to OECD Method fquivalent to OECD 4	.73	Mouse (Lymphoma L5178Y) Bacteria (S.typhim Test substrate Rat liver cells Mouse (lymphoma	a cells No urium) No Eff	e effect effect iect e effect	Experimenta Experimenta Valuation Experimenta	al value al value
ell mutagenicity (in vitr al Carjoint o (experimental) data on oluene Result Negative utanone Result Negative Utanone Result Negative Negative Negative Negative Negative	ro)	Method f equivalent to OECD 4 f equivalent to OECD Method fquivalent to OECD 4	.73	Mouse (Lymphoma L5178Y) Bacteria (S.typhim Test substrate Rat liver cells Mouse (lymphoma	a cells No urium) No Eff	e effect effect iect e effect	Experimenta Experimenta Valuation Experimenta	al value al value
ell mutagenicity (in vitr ell mutagenicity (in vitr al Carjoint o (experimental) data on buene Result Negative utanone Result Negative Negative Negative Negative Negative with Metabolic activation, negative without	ro)	Method f equivalent to OECD 4 f equivalent to OECD Method fquivalent to OECD 4	9 471 .73 .76	Mouse (Lymphoma L5178Y) Bacteria (S.typhim Test substrate Rat liver cells Mouse (lymphoma	a cells No urium) No Eff cells No	e effect effect iect e effect	Experimenta Experimenta Valuation Experimenta	al value al value al value
ell mutagenicity (in vitr al Carjoint o (experimental) data on oluene Result Negative Utanone Result Negative Utanone Result Negative Negative Negative Negative with Metabolic activation, negative without Metabolic activation	ro)	Method f equivalent to OECD 4 f equivalent to OECD Method fquivalent to OECD 4 fquivalent to OECD 4	9 471 .73 .76	Mouse (Lymphoma L5178Y) Bacteria (S.typhim Test substrate Rat liver cells Mouse (lymphoma L5178Y)	a cells No urium) No Eff cells No	e effect effect fect effect effect effect	Experimenta Experimenta Valuation Experimenta Experimenta	al value al value al value
ell mutagenicity (in vitr al Carjointo o (experimental) data on oluene Result Negative Utanone Result Negative Utanone Result Negative Utanone Result Negative Negative Negative with Metabolic activation, negative without Metabolic activation Negative with	ro)	Method f equivalent to OECD 4 f equivalent to OECD Method fquivalent to OECD 4 fquivalent to OECD 4	9 471 .73 .76	Mouse (Lymphoma L5178Y) Bacteria (S.typhim Test substrate Rat liver cells Mouse (lymphoma L5178Y)	a cells No urium) No Eff cells No	e effect effect fect effect effect effect	Experimenta Experimenta Valuation Experimenta Experimenta	al value al value al value
ell mutagenicity (in vitr al Carjoint o (experimental) data on oluene Result Negative Utanone Result Negative Utanone Result Negative Negative Negative with Metabolic activation, negative without Metabolic activation, negative without Metabolic activation	ro)	Method f equivalent to OECD 4 f equivalent to OECD Method fquivalent to OECD 4 fquivalent to OECD 4	9 471 .73 .76	Mouse (Lymphoma L5178Y) Bacteria (S.typhim Test substrate Rat liver cells Mouse (lymphoma L5178Y)	a cells No urium) No Eff cells No	e effect effect fect effect effect effect	Experimenta Experimenta Valuation Experimenta Experimenta	al value al value al value
ell mutagenicity (in vitr al Carjoint o (experimental) data on oluene Result Negative utanone Result Negative utanone Result Negative Negative Negative with Metabolic activation, negative without Metabolic activation, negative without	ro) Ithe mixture a	Method f equivalent to OECD 4 f equivalent to OECD Method fquivalent to OECD 4 fquivalent to OECD 4 f equivalent to OECD	9 471 .73 .76	Mouse (Lymphoma L5178Y) Bacteria (S.typhim Test substrate Rat liver cells Mouse (lymphoma L5178Y) Bacteria (S.typhim	a cells No urium) No Eff cells No	e effect effect fect effect effect effect	Experimenta Experimenta Valuation Experimenta Experimenta	al value al value al value
ell mutagenicity (in vitr al Carjoint o (experimental) data on oluene Result Negative Utanone Result Negative Utanone Result Negative Negative Negative with Metabolic activation, negative without Metabolic activation, negative without Metabolic activation	ro) Ithe mixture a	Method f equivalent to OECD 4 f equivalent to OECD Method fquivalent to OECD 4 fquivalent to OECD 4	9 471 .73 .76	Mouse (Lymphoma L5178Y) Bacteria (S.typhim Test substrate Rat liver cells Mouse (lymphoma L5178Y)	a cells No urium) No Eff cells No urium) No	e effect effect fect effect effect effect	Experimenta Experimenta Valuation Experimenta Experimenta	al value al value al value
ell mutagenicity (in vitr al Carjoint o (experimental) data on oluene Result Negative Utanone Result Negative utanone Result Negative Utanone Result Negative Negative with Metabolic activation, negative without Metabolic activation, negative without Metabolic activation, negative without Metabolic activation, negative without Metabolic activation negative without Metabolic activation negative without	ro) Ithe mixture a	Method f equivalent to OECD 4 f equivalent to OECD Method fquivalent to OECD 4 fquivalent to OECD 4 f equivalent to OECD	9 471 	Mouse (Lymphoma L5178Y) Bacteria (S.typhim Test substrate Rat liver cells Mouse (lymphoma L5178Y) Bacteria (S.typhim	a cells No urium) No Eff cells No urium) No	e effect	Experimenta Experimenta Valuation Experimenta Experimenta Experimenta	al value

Processing basis: ATP4

-Di-tert-butyl-p-cresol	Method	Test sut	ostrate	Effect		Valuation
	Ames test					
Negative Negative	f equivalent to OECD 473		(S.typhimurium) namster eggs	No effect No effect		Experimental value Experimental value
Negative	f equivalent to OECD 479	Ovaries Hamste	of the Chinese	No effect		Experimental value
<b>น</b>						5 5
Result	Method	Test sut	ostrate	Effect		Valuation
Negative	Other	Ovaries Hamste	of the Chinese	No effect		Experimental value
lophonium	Method	Test		-		V-h
Result	OECD 471		te Bacteria (S.typhin	Effect	_	Valuation Experimental value
Negative with Metabolic activation, negative without Metabolic activation		Substra	te Bacteria (S.typnin	iununing enect		Experimental value
Negative	OECD 476	Mouse ( L5178Y	Lymphoma cells	No effect	_	Experimental value
Negative	OECD 473	2	ymphocytes No effe	ct H/drocarbons,		Experimental value
n-alkanes, isoalkanes, cvcl	ic compounds Method Test sub					
Result	effect fquivalent with OEC					Valuation
Negative						Read-across
Negative				No effect		Read-across
Negative	OECD 476	Human	ymphocytes No effe	ct		Read-across
vlbenzol	Mathe	<b>k</b>		L		Ĩ
Result	Method	Test sub		Effect		Valuation
Negative with Metabolic activation, negative without	OECD 476	Mouse ( L5178Y)	lymphoma cells	No effect		Experimental value
Metabolic activation Negative with Metabolic activation, negative without	f equivalent to OECD 473	Ovaries Hamste	of the Chinese	No effect		Experimental value
						20 20
Carjoint_ (experimental) data on the r	mixture are available		E			1
Carjoint_ (experimental) data on the r	mixture are available Method	Exposure tim	e Test su	bstrate	Organ	Valuation
Carjoint_ (experimental) data on the r		Exposure tim	e Test su Ratte	bstrate	Organ	Valuation Experimental valu
Carjoint (experimental) data on the r rene Result	Method Other	Exposure tim CD 8 weeks (6Sto Days / weeks)	Ratte		Organ	Experimental valu
Carjoint (experimental) data on the r ene Result Negative Negative	Method Other equivalent with OE	CD 8 weeks (6Std	Ratte		Organ	Experimental valu
Carjoint (experimental) data on the r ene Result Negative Negative	Method Other equivalent with OE	CD 8 weeks (6Std	n / day, 5 Mouse	(male)	Organ	Experimental valu
Carjoint (experimental) data on the r ene Result Negative Negative anone	Method Other equivalent with OE 478	CD 8 weeks (6Sto Days / weeks) Exposure tim	Ratte In / day, 5 Mouse e Test su	(male)		Experimental valu Experimental valu Valuation
Carjoint (experimental) data on the r ene Result Negative Negative anone Result Negative : oxide	Method Other equivalent with OE 478 Method f equivalent to OE 474	CD 8 weeks (6Sto Days / weeks) Exposure tim CD	e Test su Mouse	(male) <b>bstrate</b> (male / female)	Organ	Experimental valu Experimental valu Valuation Experimental valu
Carjoint (experimental) data on the r ene Result Negative Negative anone Result Negative oxide Result	Method Other equivalent with OE 478 Method f equivalent to OE 474 Method f equivalent to OE 474 Method	CD 8 weeks (6Sto Days / weeks) Exposure tim	e Test su e Test su	(male) bstrate (male / female) bstrate	Organ	Experimental valu Experimental valu Valuation Experimental valu
Carjoint	Method Other equivalent with OE 478 Method f equivalent to OE 474	CD 8 weeks (6Sto Days / weeks) Exposure tim CD	e Test su Mouse	(male) bstrate (male / female) bstrate	Organ	Experimental valu Experimental valu Valuation Experimental valu
Carjoint	Method Other equivalent with OE 478 Method f equivalent to OE 474 Method OECD 474	CD 8 weeks (6Sto Days / weeks) Exposure tim CD Exposure tim	e Test su Mouse e Test su Mouse e Test su Mouse	(male) bstrate (male / female) bstrate (male)	Organ Organ Organ Bone marrow	Experimental valu Experimental valu Valuation Experimental valu Valuation Experimental valu
Carjoint	Method Other equivalent with OE 478 Method f equivalent to OE 474 Method OECD 474 Method	CD 8 weeks (6Sto Days / weeks) Exposure tim CD Exposure tim Exposure tim	e Test su Mouse Mouse Mouse Mouse Mouse Mouse	(male) bstrate (male / female) bstrate (male) bstrate	Organ	Experimental valu Experimental valu Valuation Experimental valu Valuation Zexperimental valu
Carjoint	Method Other equivalent with OE 478 Method f equivalent to OE 474 Method OECD 474 Method Chromosome	CD 8 weeks (6Sto Days / weeks) Exposure tim CD Exposure tim	e Test su Mouse Mouse Mouse Mouse Mouse Mouse	(male) bstrate (male / female) bstrate (male) bstrate	Organ Organ Organ Bone marrow	Experimental valu Experimental valu Valuation Experimental valu Valuation Zexperimental valu
Carjoint (experimental) data on the r ene Result Negative Negative anone Result Negative coxide Result Negative -Di-tert-butyl-p-cresol Result	Method Other equivalent with OE 478 Method f equivalent to OE 474 Method OECD 474 Method	CD 8 weeks (6Sto Days / weeks) Exposure tim CD Exposure tim Exposure tim	e Test su Mouse Mouse Mouse Mouse Mouse Mouse	(male) bstrate (male / female) bstrate (male) bstrate	Organ Organ Organ Bone marrow	Experimental valu Experimental valu Valuation Experimental valu Caluation Experimental valu Valuation Experimental valu
Negative Negative Result Negative Coxide Result Negative Di-tert-butyl-p-cresol Result Negative	Method Other equivalent with OE 478 Method f equivalent to OE 474 Method OECD 474 Method Chromosome Aberration test Micronucleus test	CD 8 weeks (6Sto Days / weeks) Exposure tim CD Exposure tim Exposure tim	e Test su Mouse Mouse e Test su Mouse e Test su Mouse ) Mouse	(male) bstrate (male / female) bstrate (male) bstrate (male) (female)	Organ Organ Bone marrow Organ	Experimental valu Experimental valu Valuation Experimental valu Zaluation Valuation Experimental valu Experimental valu
Carjoint (experimental) data on the r ene Result Negative Negative anone Result Negative coxide Result Negative -Di-tert-butyl-p-cresol Result Negative Negative	Method Other equivalent with OE 478 Method f equivalent to OE 474 Method OECD 474 Method Chromosome Aberration test	CD 8 weeks (6Sto Days / weeks) Exposure tim CD Exposure tim Exposure tim	e Test su Mouse e Test su Mouse e Test su Mouse e Test su Mouse	(male) bstrate (male / female) bstrate (male) bstrate (male) (female)	Organ Organ Bone marrow Organ	Experimental valu Experimental valu Valuation Experimental valu Caluation Experimental valu Valuation Experimental valu
Carjoint	Method Other equivalent with OE 478 Method f equivalent to OE 474 Method OECD 474 Method Chromosome Aberration test Micronucleus test	ECD 8 weeks (6Stc Days / weeks) Exposure tim CD Exposure tim Exposure tim 8 weeks (daily Exposure tim	e Test su Mouse Mouse Mouse Mouse Mouse Mouse Mouse Mouse Mouse	(male) bstrate (male / female) bstrate (male) bstrate (male) (female)	Organ Organ Organ Organ Bone marrow Organ Bone marrow	Experimental value Experimental value Valuation Experimental value Valuation Experimental value Experimental value Experimental value Valuation
Carjoint (experimental) data on the r ene Result Negative Negative anone Result Negative coxide Result Negative -Di-tert-butyl-p-cresol Result Negative Negative ol Result Negative ol Result Negative	Method Other equivalent with OE 478 Method f equivalent to OE 474 Method OECD 474 Method Chromosome Aberration test Micronucleus test Method f equivalent to OE 478	ECD 8 weeks (6Stc Days / weeks) Exposure tim CD Exposure tim Exposure tim 8 weeks (daily Exposure tim 5CD Exposure tim	e Test su Mouse Mouse e Test su Mouse e Test su Mouse e Test su Mouse	(male) bstrate (male / female) bstrate (male) bstrate (male) (female) bstrate (male / female)	Organ Organ Bone marrow Organ Bone marrow Organ	Experimental value Experimental value Valuation Experimental value Valuation Experimental value Experimental value Valuation Experimental value Experimental value
Carjoint (experimental) data on the r ene Result Negative Negative Negative coxide Result Negative -Di-tert-butyl-p-cresol Result Negative ol Result Negative ol Result Negative	Method Other equivalent with OE 478 Method f equivalent to OE 474 Method OECD 474 Method Chromosome Aberration test Micronucleus test Method f equivalent to OE 478	ECD 8 weeks (6Sto Days / weeks) Exposure tim CD Exposure tim Exposure tim 8 weeks (daily Exposure tim CD Exposure tim	e Test su Mouse Mouse Mouse Mouse Mouse Mouse Mouse e Test su Mouse e Test su	(male) bstrate (male / female) bstrate (male) bstrate (male) (female) bstrate (male / female) bstrate	Organ Organ Organ Organ Bone marrow Organ Bone marrow	Experimental value Experimental value Valuation Experimental value Valuation Experimental value Experimental value Valuation Experimental value Valuation Experimental value Valuation
Carjoint (experimental) data on the r ene Result Negative Negative Negative Negative Coxide Result Negative Di-tert-butyl-p-cresol Result Negative Negative OI Result Negative OI Result Negative Negative Negative	Method Other equivalent with OE 478 Method f equivalent to OE 474 Method OECD 474 Method Chromosome Aberration test Micronucleus test Method f equivalent to OE 478 Method	ECD 8 weeks (6Sto Days / weeks) Exposure tim CD Exposure tim Exposure tim 8 weeks (daily Exposure tim CD Exposure tim CD Exposure tim CD Exposure tim	e Test su Mouse e Test su Mouse e Test su Mouse e Test su Mouse e Test su Mouse e Test su Mouse	(male) bstrate (male / female) bstrate (male) bstrate (male) (female) bstrate (male / female) bstrate (male / female)	Organ Organ Bone marrow Organ Bone marrow Organ	Experimental value Experimental value Experimental value Experimental value Valuation Experimental value Experimental value Valuation Experimental value Valuation Experimental value
Carjoint (experimental) data on the r ene Result Negative Negative Negative coxide Result Negative -Di-tert-butyl-p-cresol Result Negative ol Result Negative ol Result Negative	Method Other equivalent with OE 478 Method f equivalent to OE 474 Method OECD 474 Method Chromosome Aberration test Micronucleus test Method f equivalent to OE 478	ECD 8 weeks (6Sto Days / weeks) Exposure tim CD Exposure tim Exposure tim 8 weeks (daily Exposure tim CD Exposure tim	e Test su Mouse Mouse Mouse Mouse Mouse Mouse Mouse e Test su Mouse e Test su	(male) bstrate (male / female) bstrate (male) bstrate (male) (female) bstrate (male / female) bstrate (male / female)	Organ Organ Bone marrow Organ Bone marrow Organ	Experimental value Experimental value Valuation Experimental value Valuation Experimental value Experimental value Valuation Experimental value Valuation Experimental value
LCarjoint	Method         Other         equivalent with OE         478         Method         f equivalent to OE         474         Method         OECD 474         Method         Method         OECD 474         Method         Method         OECD 474         Method         Method         OECD 474         Method         OECD 474	ECD 8 weeks (6Sto Days / weeks) Exposure tim CD Exposure tim Exposure tim 8 weeks (daily Exposure tim CD Exposure tim CD Exposure tim CD Exposure tim	e Test su Mouse e Test su Mouse e Test su Mouse e Test su Mouse e Test su Mouse e Test su Mouse	(male) bstrate (male / female) bstrate (male) bstrate (male) (female) bstrate (male / female) bstrate (male / female)	Organ Organ Bone marrow Organ Bone marrow Organ	Experimental value Experimental value Valuation Experimental value Valuation Experimental value Experimental value Valuation Experimental value Experimental value
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Expositionsw     Parameter Method og     Value     Exposure time     Species     Value determination organ     Effect       Oral     Not further determined     Not further determined     Iof work (s)     Rat (male / lemale)     Exportmental value     Exportmental value     No       Oral     NAEC     Other     y 500mg / kg y 500mg / kg value     103 works (5) Oral     Rat (male / lemale)     Species     Value determination Organ     Effect       Oral     NAEC     Other     y 500mg / kg y 500mg / kg value     103 works (5) Oral     Rat (male / lemale)     Exposure time     Species     Value determination Organ     Effect       Inhalation     I     I     I     I     I     I     I     I     I     I       Oral     Inhalation     I     I     I     I     I     I     I     I       Oral     I     I     I     I     I     I     I     I     I       Species     Value determination Organ     Effect     I     I     I     I     I       Oral     I     I     I     I     I     I     I     I     I       Inhalation     I     I     I     I     I     I     I     I       Infalat	Expositionsw Inhalation (Steam) Dermal Di-tert-butyl-p-c Expositionsw Oral	NOAEC NOAEL resol Parameter M	Meth pd eg	uivalent mit ECD 453 at further termined eg t further	0.05ml (twie week)	ce a	103 week (6Stdn / T	is F	Species	Value determinatio	nOrgan	Effect
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Dermal     NOAEL     Not further veck     Obsert (wace a veck     Not currier spectra     Note (minute) Experimental veck     Note (minute) Experimental value     Note (minute) spectra     Note (minute) spe	-Di-tert-butyl-p-c Expositionsw Oral oL Expositionsw	Parameter M	Method eg	eg ot further	week)	ce a	Days / we		(male / female)			No effect
Expositionsw     Parameter Method og     Value     Exposure time     Species     Value determination Organ     Effect       Oral     Not further determined     Not further determined     104 week (s)     Rat (male / Irenals)     Expositionsw     Parameter Method og     Value     No cancer (s)       Oral     NOAEC     Other     y 500mg / kg y 500mg / kg value     103 week (s) (male / Irenals)     Rat (male / Irenals)     Species     Value determination Organ     Effect       Oral     NOAEC     Other     y 500mg / kg y 500mg / kg value     103 weeks (s) op / weeks)     Rat (male / Irenals)     Expositions/ value     No effect     No effect       Inhalation     Imalation     Imalat	Expositionsw Oral ol Expositionsw	Parameter M	Not fu	ot further	Value							No effect
Oral     Oral     Out further determined     Index     Index     Ratt (male / termine)     Satt (male / termine)     Experimental (h)     Satt (male / termine)     Experimental (h)     No       Expositionw     Parameter Method og     Value     Exposure time     Species     Value determination (male / termine)     No effect       Oral     NOAEC     Othor     p. 500mg / kg bw / Tag     D03 weeks (6 bw / Tag     Rat     Experimental (male / termine)     Experimental (male / termine)     Experimental (male / termine)     No effect       Expositionw     Parameter Method og     Value     Exposition (male / termine)     Species     Value determination (male / termine)     No effect       Expositionsw     Parameter Method og     Value     Exposition (male / termine)     Data waiver     Inclusion       Expositionsw     Parameter Method     Value     Exposition (male / termine)     Data waiver     Inclusion       Expositionsw     Parameter Method     Value     Exposition (male / termine)     Data waiver     Inclusion       Bit     Inhalation (Statum)     NOAEC     rgu/valent mit (Statum)     250ppm     104 weeks (Statum / Tag)     Rate     Experimental (male / termina)     No effect       Bit     Parameter     EPA OTS 750ppm     20 days (Statum / Tag)     Rate     No effect     Staperimental (Statum /	Oral Oral Expositionsw		Not fu	ot further	Value						-	
Image: setermined     Description     Value     Cancer (mail (mail / female)     Value     Cancer (mail / female)     Value     Cancer (female)     Value     Cancer (female)     Value     Cancer (female)     Value     Cancer (female)     Value     Effect       Dral     NOAEC     Other     y 500mg / kg (mail / female)     103 weeks (5 (female / female)     Rat     Expositionary     Female     No effect       Optionum     Expositionsw     Parameter Method eg     Value     Exposure time     Species     Value determinationorgan     Effect       Inhalation     Image: female     Image: female     Image: female     Image: female     Image: female     Image: female       Inhalation     Image: female     Image: female     Image: female     Image: female     Image: female     Image: female       Inhalation     Image: female     Image: female     Image: female     Image: female     Image: female       Inhalation     Image: female     Image: female     Image: female     Image: female     Image: female     Image: female       Inhalation     Image: female     Image: female     Image: female     Image: female     Image: female     Image: female       Inhalation     Image: female     female     female     Image: female     Image: female     Image: female	o <u>l</u> Expositionsw	Parameter M					Exposure			Value determinatio	nOrgan	
Oral     NOAEC     Other     9 500mg /kg bw / Tag     103 weeks (5 Days / weeks)     Rat (male / female) ch)     Rat (male / female)     Experimental Value     No effect       Expositionsw     Parameter Method eg     Value     Exposure time     Species     Value determination g     Data waiver     Effect       Inhalation	Expositionsw	Parameter M					104 week	(0)	(male / female)			cancer
Oral     NOAEC     Other     y 500mg /kg bw / Tag     103 weeks (5 Days / weeks)     Rat (male / female) ph)     Experimental Value     Experimental Parameter     No effect       cobabilum     Expositionsw     Parameter Method eg     Value     Exposure time     Species     Value determination Data waiver     Effect       Inhalation     Image     Image     Image     Image     Data waiver     Image       Expositionsw     Parameter Method     Value     Exposure time     Species     Value determination Data waiver     Image       Caral     Image     Image     Image     Image     Image     Image     Image       Expositionsw     Parameter Method     Value     Exposure time     Species     Value determination Data waiver     Image       Inhalation     NOAEC     rguivalent mit OECD 453     250ppm     104 weeks (BStin / Tag, 5 Davs / weeks)     Rate (male / female)     Experimental Value     No effect     Species       NOAEC (F)     EPA OTS 798 4350     750ppm     20 days (BStin / Tag)     Rat (female) Material     Value     Experimental Value       NOAEC (F)     OECD 416     500ppm     11 weeks (BStin / Tag)     Rat (female) Material     No effect     Value       NOAEC (F)     OECD 416     500ppm     11 weeks (BStin / Tag)     Rat (female) Day			Method eg	eg	Value		Exposure	e time	Species	Value determinatio	nOrgan	Effect
Parameter     Method     Value     Exposure time     Species     Value determination organ     Effect       0 mail     1     1     1     1     1     1     1     1       1 minalation     1     1     1     1     1     1     1       1 minalation     1     1     1     1     1     1     1       1 minalation     1     1     1     1     1     1     1       1 minalation     1     1     1     1     1     1     1       1 minalation     1     1     1     1     1     1     1       1 minalation     NOAEC     Faumeter Method     Value     Exposure time     Species     Value determination organ     Effect       3     104 weeks     (Stidn / Tag, 5)     Ratte     Experimental     Value     No effect     Value       1 minalation     NOAEC     fguivalent mit     250ppm     104 weeks     Ratte     (Stidn / Tag)     Katte     Value     Value     Value       1 copperimental data on the mixture are available     104 weeks     (Stidn / Tag)     Ratt (female) No effect     Yalue     Yalue       NOAEC Developmental Toxicity %s t     NOAEC     EPA OTS     750ppm		NOAEC	Other	her	ÿ 500mg / k	ka				g		
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Dermal     Data waiver       Oral     Data waiver       Qrad     Data waiver       Expositionsw     Parameter Method       Value     Exposure time       Species     Value determination a       Inhalation (Steam)     NOAEC       fquivalent mit OECD 453     250ppm       104 weeks (6Stdn / Tag, 5)     Ratte (BStdn / Tag, 5)       Days / weeks)     Parameter       Value     Exposure time       Species     Ffect       Organ     Parameter       Value     Exposure time       Species     Effect       Organ     Value       Carjoint     (experimental) data on the mixture are available       ene     Parameter       NOAEC     EPA OTS 750ppm       20 days     Rat (female) No effect       (Stidn / Tag)     Ffect       Organ     Parameter       Value     20 days       (Stidn / Tag)     Rat (female) No effect       Experimer     Value       Effects on     NOAEC       Fertility     NOAEC (F1) OECD 416       NOAEC (F2) OECD 416     S00ppm       11 weeks     Rat       (6Stdn / Tag, 7)       Days / weeks)     ch)       NOAEC (F2) OECD 416     S00ppm		Parameter N	Method eg	eg	Value		Exposure	e time S	Species	Value determinatio	nOrgan	Effect
Oral     Data waiver       Expositionsw g     Parameter Method     Value     Exposure time     Species     Value determination organ     Effect       g     Inhalation (Steam)     NOAEC     /quivalent mit OECD 453     250ppm     104 weeks (6Stdn / Tag, 5     Ratte     Experimental Value     Experimental Value     No effect       Carigint _ (experimental) data on the mixture are available and     EPA OTS 798,4350     750ppm     20 days (6Stdn / Tag)     Effect     Organ     Value deter Value       Maternal Toxicity %s t     NOAEC     EPA OTS 798,4350     750ppm     20 days (6Stdn / Tag)     Rat (female) No effect     Experimental Value       Maternal Toxicity %s t     NOAEC     EPA OTS 798,4350     750ppm     20 days (6Stdn / Tag)     Rat (female) No effect     Experimer Value       Maternal Toxicity %s t     NOAEC     EPA OTS 798,4350     750ppm     20 days (6Stdn / Tag)     Rat (female) No effect     Experimer Value       Maternal Toxicity %s t     NOAEC (F)     OECD 416     2000ppm     11 weeks (6Stdn / Tag, 7     Rat     No effect     Experimer Value       NOAEC (F2) OECD 416     500ppm     11 weeks (6Stdn / Tag, 7     Rat     No effect     Experimer Value       NOAEC (F2) OECD 416     500ppm     11 weeks (6Stdn / Tag, 7     Rat     No effect (male / Value     Experimer Value	Inhalation									Data waiver		
Viberacol.         Expositionsw         Parameter Method         Value         Exposure time         Species         Value determination a         Effect a           eg         Inbalation         NOAEC         / quivalent mit OECD 453         250ppm         104 weeks (6Stdn / Tag, 5) Days / weeks)         Ratte (male / female)         Experimental Value         No effect           crive toxicity         Carioint (experimental) data on the mixture are available         EPA OTS 798.4350         750ppm         20 days (6Stdn / Tag)         Rat (female) No effect         Experimental Value           NOAEC Developmental Toxicity         EPA OTS 798.4350         750ppm (6Stdn / Tag)         Rat (female) No effect         Experimer Value           Maternal Toxicity % <sub>w</sub> t         NOAEC (F)         OECD 416         2000ppm         11 weeks (6Stdn / Tag)         Rat (female) Maternal Toxicity % <sub>w</sub> t         No effect         Experimer Value           Effects on Fertility         NOAEC (F1) OEOD 416         500ppm         11 weeks (6Stdn / Tag, 7)         Rat (male / female)         No effect         Experimer Value           NOAEC (F2) OEOD 416         500ppm         11 weeks (6Stdn / Tag, 7)         Ratte (6Stdn / Tag, 7)         No effect (male / Value         Experimer Value           NOAEC (F2) OEOD 416         500ppm         11 weeks (6Stdn / Tag, 7)         Ratte (Stdn / Tag, 7)         No effect (	Dermal									Data waiver		
Expositions     Parameter     Method     Value     Exposure time     Species     Value determination     Organ     Effect       1nhalation (Steam)     NOAEC     fquivalent mit OECD 453     250ppm     104 weeks (6Stdn / Tag, 5 Days / weeks)     Ratte     Experimental Value     Experimental Value     No effect       carioint (experimental) data on the mixture are available ere     Parameter     Method     Value     Exposure time Species     Effect     Organ     Value determination       NOAEC Developmental Toxicity     EPA OTS 798.4350     750ppm     20 days (6Stdn / Tag)     Rat (female) No effect     Experiment Value       Maternal Toxicity% t     NOAEC     EPA OTS 798.4350     750ppm     20 days (6Stdn / Tag)     Rat (female) No effect     Experiment Value       Maternal Toxicity% t     NOAEC (P)     OECD 416     2000ppm     11 weeks (6Stdn / Tag)     Rat     No effect     Experimer Value       MoAEC (F1) OECD 416     500ppm     11 weeks (GStdn / Tag, 7     Rat     No effect     Experimer Value       NOAEC (F2) OECD 416     500ppm     11 weeks (GStdn / Tag, 7     Rat     No effect (male / Pays / weeks)     No effect (male / Pays / weeks)     Experimer Value	Oral							6		Data waiver		1
Process Data     P	1	Barameter I	Mothod		Value		-			Value determinatio	1.	L.
Percention mail       Coopprime       (6Stdn / Tag, 5 Days / weeks)       (male / female)       Value         ctive toxicity         Carjoint _ (experimental) data on the mixture are available         reference         NOAEC Developmental Toxicity       EPA OTS 798.4350       750ppm (6Stdn / Tag)       20 days (6Stdn / Tag)       Rat (female) No effsct       Experimer Value         Maternal Toxicity %o t       NOAEC       EPA OTS 798.4350       750ppm (6Stdn / Tag)       20 days (6Stdn / Tag)       Rat (female) Maternal Toxicity %o t       Experimer Value         Effects on Fertility       NOAEC (P)       OECD 416       2000ppm       11 weeks (6Stdn / Tag)       Rat (male / female)       No effect       Experimer Value         NOAEC (F1) OECD 4116       500ppm       11 weeks (6Stdn / Tag, 7 Days / weeks)       No effect (male / male / female)       No effect (male / Value       Experimer Value         NOAEC (F2) OECD 4116       500ppm       11 weeks (6Stdn / Tag, 7 Days / weeks)       No effect (male / Value       Experimer Value         NOAEC (F2) OECD 4116       500ppm       11 weeks (6Stdn / Tag, 7 Days / weeks)       No effect (male / Value       Experimer Value         NOAEC (F2) OECD 4116       500ppm       11 weeks (6Stdn / Tag, 7 Days / weeks)       No effect (male / Value       Experimer Value         ADAEC (F2) OECD 4116       500ppm <td>eg</td> <td></td> <td>_</td> <td>4</td> <td>value</td> <td></td> <td></td> <td></td> <td></td> <td>g</td> <td>Organ</td> <td></td>	eg		_	4	value					g	Organ	
Cative toxicity         Carjoint _ (experimental) data on the mixture are available         Immediate       Parameter       Method       Value       Exposure time Species       Effect       Organ       Value dete ga         NOAEC Developmental Toxicity       EPA OTS 798.4350       750ppm (6Stdn / Tag)       20 days (6Stdn / Tag)       Rat (female) No effect       Experimer Value         Maternal Toxicity ‰ t       NOAEC       EPA OTS 798.4350       750ppm (6Stdn / Tag)       20 days (6Stdn / Tag)       Rat (female) Maternal Toxicity ‰ t       Experimer Value         Effects on Fertility       NOAEC (P)       OECD 416       2000ppm       11 weeks (6Stdn / Tag)       Rat (male / female)       No effect       Experimer Value         NOAEC (F1) OEC D 416       500ppm       11 weeks (6Stdn / Tag, 7 Days / weeks)       Rat (h)       No effect       Experimer Value         NOAEC (F2) OEC D 416       500ppm       11 weeks (6Stdn / Tag, 7 Days / weeks)       Ratte       No effect (male / Days / weeks)       Experimer Value         atomete       Toxicity // value       No effect (male / Days / weeks)       Experimer Value       Experimer Value		NUAEC					(6Stdn / T	Tag, 5 (	(male / female)			No effect
Maternal Toxicity ‰ t       NOAEC       EPA OTS 798.4350       750ppm 798.4350       20 days (6Stdn / Tag)       Rat (female) Maternal Toxicity ‰ t       Experimer Value         Effects on Fertility       NOAEC (P)       OECD 416       2000ppm       11 weeks (6Stdn / Tag), 7       No effect       Experimer Value         NOAEC (F1) OECD 416       2000ppm       11 weeks (6Stdn / Tag, 7       (male / female) Days / weeks)       No effect       Experimer Value         NOAEC (F1) OECD 416       500ppm       11 weeks (6Stdn / Tag, 7       (male / female) Days / weeks)       No effect       Experimer Value         NOAEC (F2) OECD 416       500ppm       11 weeks (6Stdn / Tag, 7       Rat       No effect (male / Pays / weeks)       Experimer Value         Image: female       No effect (male / Pays / weeks)       No effect (male / Pays / weeks)       Experimer Value			nixture are a	uivalent mit CD 453		history	Days / we		-l -		-	history deserved
Image: Second			nixture are a	uivalent mit CD 453 re available eter Me	lethod			-			Organ	g
Effects on Fertility     NOAEC (P)     OECD 416     2000ppm     11 weeks (6Stdn / Tag, 7 Days / weeks)     Rat (male / female)     No effect     Experimer Value       NOAEC (F1) OECD 416     500ppm     11 weeks (6Stdn / Tag, 7 Days / weeks)     Rat (h)     No effect     Experimer Value       NOAEC (F2) OECD 416     500ppm     11 weeks (6Stdn / Tag, 7 Days / weeks)     Rat (h)     No effect     Experimer Value       NOAEC (F2) OECD 416     500ppm     11 weeks (6Stdn / Tag, 7 Days / weeks)     Ratte     No effect (male / (eStdn / Tag, 7 Days / weeks)     No effect (male / (h)     Experimer Value	NOAEC Devel	opmental Toxi	Paramete	eter Me	lethod PA OTS 98.4350	750ppm		20 days (6Stdn / Tag)	Rat (female) N	o effect	Organ	
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NOAEC (F2) OECD 416     500ppm     11 weeks (6Stdn / Tag, 7 Days / weeks)     Ratte     No effect (male / male)     Experiment Value       tanone     tanone	NOAEC Devel Maternal Toxici	opmental Toxi ity ‰ t	Paramete NOAEC	eter Me CD 453 ECD 453 EEE F 79 C F 79	lethod PA OTS 98.4350 PA OTS 98.4350	750ppm 750ppm	1	20 days (6Stdn / Tag) 20 days (6Stdn / Tag) 11 weeks (6Stdn / Tag, 7	Rat (female) N Rat (female) M Rat (male / female)	o effect aternal Toxicity ‰ t No effect	Organ	g Experimenta Value Experimenta Value Experimenta
tanone	NOAEC Devel Maternal Toxici	opmental Toxi ity ‰ t	Paramete dicity NOAEC (I	eter Me C (P) OE	lethod PA OTS 98.4350 PA OTS 98.4350 98.4350 DECD 416	750ppm 750ppm 2000pp	n m	20 days (6Stdn / Tag) 20 days (6Stdn / Tag) 11 weeks (6Stdn / Tag, 7 Days / weeks) 11 weeks (6Stdn / Tag, 7	Rat (female) N Rat (female) M Rat (male / female) ch) Rat (male / female)	o effect atemal Toxicity ‰ t No effect No effect	Organ	g Experimenta Value Experimenta Value Experimenta Value Experimenta
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	NOAEC Devel Maternal Toxici Effects on Fertility	opmental Toxi ity ‰ t	Paramete dicity NOAEC (I NOAEC (I	eter Me C (P) OE C (F1) OE	Iethod           PA OTS           98.4350           PA OTS           98.4350           PECD 416           416	750ppm 750ppm 2000ppm 500ppm	۰ ۱ ۱	20 days (6Stdn / Tag) 20 days (6Stdn / Tag) 11 weeks (6Stdn / Tag, 7 Days / weeks) 11 weeks (6Stdn / Tag, 7 Days / weeks) 11 weeks (6Stdn / Tag, 7	Rat (female) N Rat (female) M Rat (male / female) ch) Rat (male / female) ch) Ratte female)	o effect atemal Toxicity ‰ t No effect No effect		g Experimenta Value Experimenta Value Experimenta Value Experimenta
	NOAEC Devel Maternal Toxici Effects on Fertility	opmental Toxi	IXUITE ARE A	eter Me ECD 453 re available eter F79 C (P) OE C (F1) OE C (F2) OE C (	Iethod           PA OTS           98.4350           PA OTS           98.4350           DECD 416           416           416	750ppm 750ppm 2000ppn 500ppm	۰ ۱ ۱	20 days (6Stdn / Tag) 20 days (6Stdn / Tag) 11 weeks (6Stdn / Tag, 7 Days / weeks) 11 weeks (6Stdn / Tag, 7 Days / weeks) (6Stdn / Tag, 7 Days / weeks)	Rat (female) N Rat (female) M Rat (male / female) ch) Rat (male / female) ch) Ratte female) ch)	o effect aternal Toxicity ‰ t No effect No effect No effect (male /	/	g Experimenta Value Experimenta Value Experimenta Value Experimenta Value
Maternal Toxicity ‰ t NOAEC fquivalent mit 1002ppm 10 days Rat (female) No effect Experimer	NOAEC Devel Maternal Toxici Effects on Fertility	opmental Toxi	IXUITE ARE A	eter Me C (F2) OEO 2 C (F2) OEO 2 eter Me F (F2) OEO 2 C (F2) OEO 2 F (F2) OEO 2	lethod PA OTS 98.4350 PA OTS 98.4350 PECD 416 416 416 416	750ppm           750ppm           2000ppm           500ppm           500ppm           Value	n m	20 days (6Stdn / Tag) 20 days (6Stdn / Tag) 11 weeks (6Stdn / Tag, 7 Days / weeks) 11 weeks (6Stdn / Tag, 7 Days / weeks) 11 weeks (6Stdn / Tag, 7 Days / weeks) Exposure time 10 days	Rat (female) N Rat (female) M Rat (male / female) ch) Rat (male / female) ch) Ratte female) ch) Patte female) ch)	o effect aternal Toxicity ‰ t No effect No effect No effect (male /	/	g Experimenta Value Experimenta Value Experimenta Value Experimenta Value Value Experimenta
(1-1-1-3)	NOAEC Devel Maternal Toxici Effects on Fertility tanone NOAEC Devel	opmental Toxi	ixture are a Paramete NOAEC (I NOAEC (I NOAEC (I NOAEC (I NOAEC (I	eter Me C (F1) OEC D 4 C (F2) OEC D 4 eter Me C (F2) OEC D 4 fq OE C (F2) OEC D 4	lethod PA OTS 98.4350 PA OTS 98.4350 PECD 416 416 416 416 416 ethod guivalent mit PECD 414 quivalent mit	750ppm           750ppm           2000ppm           500ppm           500ppm           1002ppm	n m n	20 days (6Stdn / Tag) 20 days (6Stdn / Tag) 11 weeks (6Stdn / Tag, 7 Days / weeks) 11 weeks (6Stdn / Tag, 7 Days / weeks) 11 weeks (6Stdn / Tag, 7 Days / weeks) Exposure time 10 days (7Stdn / Tag) 10 days	Rat (female) N Rat (female) M Rat (male / female) ch) Rat (male / female) ch) Ratte female) ch) Ratte female) ch) Ratte	o eff ect aternal Toxicity ‰ t No effect No effect No effect (male / Effect No effect fetus	/	g       Experimenta       Value
Effects on NOAEL equivalent with 1644mg / kg Batte No effect (male / Read-acro Fertility OECD 416 bw / Tag - female)	NOAEC Devel Maternal Toxici Effects on Fertility	opmental Toxi ity ‰ t opmental Toxi ity ‰ t	ixture are a Paramete NOAEC (I NOAEC (I NOAEC (I NOAEC (I NOAEC (I	eter Me C (F2) OEC C C (F2)	lethod PA OTS 98.4350 PA OTS 98.4350 PE CD 416 416 416 416 416 416 ethod euivalent mit PE CD 414 quivalent mit PE CD 414 quivalent mit PE CD 414	750ppm       750ppm       750ppm       2000pp       500ppm       500ppm       1002pp       1002pp       1002pp       1002pp       1002pp	n m n m m	20 days (6Stdn / Tag) 20 days (6Stdn / Tag) 11 weeks (6Stdn / Tag, 7 Days / weeks) 11 weeks (6Stdn / Tag, 7 Days / weeks) 11 weeks (6Stdn / Tag, 7 Days / weeks) Exposure time 10 days (7Stdn / Tag)	Rat (female) N Rat (female) M Rat (male / female) ch) Rat (male / female) ch) Ratte female) ch) Ratte female) ch) Ratte female) ch) Ratte famale) ch) Ratte	o eff ect aternal Toxicity ‰ t No effect No effect No effect No effect (male / Effect No effect fetus o effect	/ Organ	g Experimenta Value Experimenta Value Experimenta Value Experimenta Value Value Experimenta
Effects on NOAEL equivalent with 1644mg / kg Ratte No effect (male / Read-acro	NOAEC Devel Maternal Toxici Effects on Fertility itanone NOAEC Devel Maternal Toxici	opmental Toxi ity ‰ t opmental Toxi ity ‰ t	Aixture are a Aixture are a Aixture are a Aixture are a Aixture are a Aixture are a Aixture are a NOAEC (1) NOAEC (1) NOAEC (1) NOAEC (1) NOAEC (1) NOAEC (1) NOAEC (1)	eter Me C (F1) OEC D 4 C (F2) OEC D 4 Eter Me C (F2) OEC D 4 Eter Me Eter Me Ete	lethod PA OTS 98.4350 PA OTS 98.4350 PECD 416 416 416 416 416 ethod quivalent mit ECD 414 quivalent mit ECD 414	750ppm       750ppm       750ppm       500ppm       500ppm       1002ppm       1002ppm	n m n n m m	20 days (6Stdn / Tag) 20 days (6Stdn / Tag) 11 weeks (6Stdn / Tag, 7 Days / weeks) 11 weeks (6Stdn / Tag, 7 Days / weeks) 11 weeks (6Stdn / Tag, 7 Days / weeks) Exposure time 10 days (7Stdn / Tag) 10 days	Rat (female) N Rat (female) M Rat (male / female) ch) Rat (male / female) ch) Ratte female) ch) Ratte female) ch) Ratte female) ch) Ratte female) ch) Ratte female) ch) Ratte female) ch) Ratte female) ch) Ratte female) ch) Ratte female) ch) Ratte female) ch) Ratte female) Ratte Ratte female) Ratte Ratte female) Ratte	o eff ect aternal Toxicity ‰ t No effect No effect No effect No effect (male / Effect No effect fetus o effect	/ Organ	g       Experimenta       Value       Experimenta       Value

	Parameter ty NOAEC NOAEL (F1)	Method OECD 414 OECD 414 fquivalent mit OECD 416	Value 7.5mg / kg bw / Tag 7.5mg / kg bw / Tag	Exposure time Sp	ecies	Effect	Organ	Value determ
Maternal Toxicity ‰ t Effects on Fertility .6-Di-tert-butyl-p-cresol	NOAEC	OECD 414	bw / Tag 7.5mg / kg	14 days	1 G (1)			g
Effects on Fertility 2,6-Di-tert-butyl-p-cresol		fquivalent mit	7.5mg / kg	(6Stdn / Tag)	Ratte	No effect fetus		Experimental Value
Fertility 2,6-Di-tert-butyl-p-cresol	NOAEL (F1)			14 days (6Stdn / Tag)	Ratte	No effect		Experimental Value
2,6-Di-tert-butyl-p-cresol			7.5mg / kg bw / Tag	22 weeks (daily)	Rat (male / female)	No effect		Read-across
				(addiy)	ch)			
	Parameter	Method	Value	Exposure time Sp	ecies	Effect	Organ	Value determi
Developmental toxicity to NO/	EL	fquivalent mit OECD 414	375mg / kg bw / Tag		Rat (female) No effe	ct Fetus	1	g Experimental Value
Maternal Toxicity ‰ t	NOAEL	fquivalent mit OECD 414	93.5mg / kg bw / Tag		Rat (female) No effe	ct		Experimental Value
Effects on Fertility	NOAEL		500mg / kg bw / Tag		Rat (female) No effe	ct		Experimental Value
	NOAEL		100mg / kg bw / Tag		Rat (male) No effect			Experimental Value
(ylol_			DW7 Tag					
	Parameter	Method	Value	Exposure time Sp	ecies	Effect	Organ	Value determi g
NOAEC Developmental Toxic	ty	fquivalent mit OECD 414	100ppm	21 days (6Stdn / Tag)	Ratte female) ch)	No effect (male /		Experimental Value
Maternal Toxicity ‰ t	NOAEC	OECD 414	500ppm		Ratte	No effect	a' di	Experimental Value
Effects on Fertility	NOAEC (P)	EPA OPPTS 870.3800	ÿ 500ppm	70 days (6Stdn / Tag)	Ratte female) ch)	No effect (male /		Experimental Value
	NOAEC (F1)	EPA OPPTS 870.3800	ÿ 500ppm	70 days (6Stdn / Tag)	Ratte female)	No effect (male /	1	Experimental Value
					ch)	-		
	Parameter	Method	Value	Exposure time Sp	ecies	Effect	Organ	Value determi
Developmental toxicity NOAE	. (F1) OECD 421		3000ppm	30-45 Tag (e) Ratte		No effect (male /		Experimental
					female) ch)			Value
Effects on Fertility	NOAEL (P)	OECD 421	3000ppm	30-45 Tag (e) Ratte	ch) female)	No effect (male /		Value Experimental Value
Fertility			3000ppm	30-45 Tag (e) Ratte	ch)	No effect (male /		Experimental
			3000ppm Value	30-45 Tag (e) Ratte	ch) female) ch)	No effect (male /	Organ	Experimental Value
Fertility	Ikanes, cyclic com Parameter ty	pounds			ch) female) ch) ecies Ratte		Organ	Experimental
Fertility	Ikanes, cyclic com Parameter	oounds Method	Value	Exposure time Sp	ch) female) ch) ecies	Effect	Organ	Experimental Value Value determi g
Fertility	Ikanes, cyclic com Parameter ty	Dounds Method Other fquivalent mit	Value 1200ppm	Exposure time Sp 10 days (6Stdn / Tag) 10 days	ch) female) ch) ecies Ratte	Effect No effect No effect Insignificant Skeletal converts	Organ Skeleton	Experimental Value Value determi g Read-across
Fertility lydrocarbons, C7, n-alkanes, isoa	Ikanes, cyclic com Parameter ty NOAEL	Method Other fquivalent mit OECD 414 fquivalent mit	Value 1200ppm 3000ppm	Exposure time Sp 10 days (6Stdn / Tag) 10 days (6Stdn / Tag) 10 days	ch) female) ch) ecies Ratte Mouse	Effect No effect No effect Insignificant Skeletal converts ungen		Value determi g Read-across Read-across
Fertility	Ikanes, cyclic com Parameter ty NOAEL LOAEL	Method Other fquivalent mit OECD 414 fquivalent mit	Value           1200ppm           3000ppm           9000ppm	Exposure time Sp 10 days (6Stdn / Tag) 10 days (6Stdn / Tag) 10 days	ch) female) ch) ecies Ratte Mouse Mouse	Effect No effect No effect Insignificant Skeletal converts ungen ct		Experimental Value       Value determi g       Read-across       Read-across       Read-across
Fertility	Ikanes, cyclic com Parameter ty NOAEL LOAEL NOAEC	A state of the sta	Value           1200ppm           3000ppm           9000ppm           1200ppm	Exposure time Sp 10 days (6Stdn / Tag) 10 days (6Stdn / Tag) 10 days (6Stdn / Tag) 10 days 10 days	ch) female) ch) ecies Ratte Mouse Mouse Rat (female) No effe	Effect No effect No effect Insignificant Skeletal converts ungen ct		Experimental Value       Value determi g       Read-across       Read-across       Read-across       Read-across

	Parameter	Method	Value	Exposure time Sp	ecies	Effect	Organ	Value deterr g
NOAEC Developmental Toxic	ity	OECD 414	500ppm	15 days (Pregnancy, at the same time)	Rat (female) No	effect		Experimental Value
	NOAEC	OECD 426	500ppm	70 days (6Stdn / Tag)	Ratte female) ch)	No effect (male /		Experimental Value
Effects on Fertility	NOAEC (P / F1 / F2)	OECD 416	500ppm	70 days (6Stdn / Tag)	Ratte female) ch)	No effect (male /		Experimental Value
	NOAEC (P)	fquivalent mit OECD 415	1000ppm	2 week (s) rat	female) ch)	No effect (male /		Experimental Value
	NOEC (F1)	fquivalent mit OECD 415	100ppm		Ratte female) ch)	No effect (male /		Experimental Value
	NOAEL	Other	750ppm	104 weeks (6Stdn / day, 5 (ma Days / weeks) ch)	Mouse ae / female)	No effect		Experimental Value
	NOEC	OECD 408	750ppm	13 Week (s) Rat	female) ch)	No effect (male /		Experimental Value

Judging is based on the relevant components

Conclusion CMR

Not classified for reproductive or developmental toxicity

Not classified for mutagenic toxicity or genotoxicity

Not for carcinogenic grade

### Toxicity other effects

### Soudal Carjoint

No (experimental) data on the mixture are available

Butanone

Parameter	Method	Value	Organ	Effect	Exposure time	Species	Valuation
	fquivalent <mark>mit</mark>		Haut	Crisp or cracked			Read-across
	OECD 404			Haut			

#### Chronic effects after short or long-term exposure

Soudal Carjoint

EVEN LONG-TERM / REPEATED EXPOSITION / CONTACT: Feeling sick. Dry skin. Itching / irritation of the skin. Skin rash / inflammation. Gastrointestinal complaints.

## SECTION 12: Environmental information

### 12.1 Toxicity:

### Soudal Carjoint

No (experimental) data on the mixture are available

Toluene

	Parameter Meth	od Value		Duration	Species	Test plan		Valuation
							/ Salt water	
Acute Toxicity To Fish	LC50		5.5 mg / I	96 Stdn	Oncorhynchus kisutch	Durchflusssys	Sewage Experim	ental Tem Value
Acute Toxicity of Invertebrates	LC50	US EPA	3.78 mg / I	48 Stdn	Ceriodaphnia dubia		Sewage experim	ental Value
Toxicity to algae and others Aquatic plants	EC50		12.5 mg / l	72 Stdn	Selenastrum capricornutum	7		Literature study
Chronic toxicity to fish NOEC			1.39 mg / l	40 Tag (s)	Oncorhynchus kisutch	Durchflusssys	Sewage Experim	ental Tem Value; Waiting rate
Chronic toxicity Water invertebrate	NOEC	US EPA	0.74 mg / I	7 Tag (s)	Ceriodaphnia dubia	r	Sewage experim	ental Value; Reproduction
Toxicity of water The microorganisms	EC50		84 mg / I	24 Stdn	Nitrosomonas Statisc	nes System	Sewage experim	ental Value

Processing basis: ATP4

Date of creation: 2004-01-08 Date of preparation: 2015-02-14

utanone			P			<u></u>		
	Parameter Metho	od Value		Duration	Species	Test plan	Sweet / Salt water	Valuation
Acute Toxicity To Fish	LC50	OECD 203 2993	ng / I	96 Stdn	Pimephales promelas	Static System	Sewage experim	ental Value; T^dlich
Acute Toxicity of Invertebrates	EC50	OECD 202 308 n	g / I	48 Stdn	Daphnia magna Statis	ches System	Sewage experim	ental Value; Movemen
Toxicity to algae and others Aquatic plants	EC50	OECD 201 1972	mg / I	72 Stdn	Pseudokirchnerie Ila subcapitata	Statisches System	Sewage experim	ental Value; Waiting rate
Toxicity of water The microorganisms	EC0	DIN 38412-8 115	<mark>0 mg /</mark> I 16 Stdn		Pseudomonas putida	Static System	Sewage experim	
nc oxide					pulua	Oystern		
	Parameter Metho	od Value		Duration	Species	Test plan	Sweet / Salt water	Valuation
Acute Toxicity To Fish	LC50	ASTM E729- 88	<mark>0.169</mark> mg / I 96 S	idn	Oncorhynchus	Static mykiss System	Sewage Read-ac	oss; Zincion
Acute Toxicity of Invertebrates	LC50	fquivalent OECD 202	0.33 - 0.66 mg / I with	48 Stdn	Daphnia magna Statis		Sewage Read-ac	oss; Zincion
Toxicity to algae and others	IC50	OECD 201 0.136			Pseudokirchnerie subcapitata	Static System	S,flwasser Exper	imental or lla Value; Zincion
Aquatic plants	NOEC	OECD 201 0.024	<mark>mg / I</mark> 3 Tag (e)		Pseudokirchnerie	Static	S,flwasser Exper	1
Chronic toxicity to fish	NOEC	OECD 215 0.199	<mark>mg / I</mark> 30 Tag (e)		subcapitata Oncorhynchus	System Durchflusssys	Sewage Read-ac	1
Chronic toxicity Water invertebrate	NOEC	OECD 211 0.048		21 Day (s)	mykiss Daphnia magna Semi	and the second se	Sewage Read-ac	oss; Zincion
Toxicity of water	EC50	fquivalent	mg / I 5.2 mg /	3 Stdn	Living mud static	s System	Sewage Read-ad	oss;
The microorganisms		I with OECD 209				System		Inhibition
6-Di-tert-butyl-p-cresol	Parameter Metho	d Value		Duration	Species	Test plan	Sweet	Valuation
Acute Toxicity To Fish	LC0	EU Method C.1	<mark>&gt; = 0.5</mark> 7 mg / I 96	Stdn	Brachydanio	Semistatic	/ Salt water Sewage experim	
	LC50	ECOSAR	96 Stdn OECD 2	02.0.49	rerio Pisces	13	(2714)	Value; GLP QSAR
Acute Toxicity of Invertebrates	EC50	mg / I 48 Stdn		02 0.40	Daphnia magna Statis	ches System	Sewage experim	
	NOEC	OECD 202 0.15 I	ng / I	48 Stdn	Daphnia magna Statis		Sewage experim	
Toxicity to algae and others Aquatic plants	EC50	ECOSAR v1.000	. <mark>758 m</mark> g / I 96 Std	n	Algae			Calculation value
Chronic toxicity to fish	NOEC	ECOSAR v1.000	. <mark>041 m</mark> g / I		Pisces			Calculation value
Chronic toxicity Water invertebrate	NOEC	OECD 202 0.316	<mark>mg / I</mark> 21 Tag (e)		Daphnia magna			Experimental Value; GLP
Toxicity of water The microorganisms	EC50		<mark>1.7 m</mark> g / l	24 Stdn	Tetrahymena pyriformis	Static System	Sewage experim	
/lol_					pymornis	System		Taido
	Parameter Meth	od Value		Duration	Species	Test plan	Sweet / Salt water	Valuation
Acute Toxicity To Fish	LC50	OECD 203	<mark>2.6 mg</mark> / I	96 Stdn	Oncorhynchus	Static mykiss System	Sewage Read-ac	oss; T^dlich
Acute Toxicity of Invertebrates	EC50		<mark>3.82 m</mark> g / I	48 Stdn	Daphnia magna Durc	6	Sewage Read-ac	oss
Toxicity to algae and others Aquatic plants	EC50	OECD 201 4.36 ı	ng / I	73 Stdn	Pseudokirchnerie Ila subcapitata	Statisches System	Sewage experim	ental Value; Waiting rate
Chronic toxicity to fish	NOEC		<mark>&gt; 1.3</mark> mg / I	56 Tag (s)	Oncorhynchus mykiss	Durchflusssys tem	Sewage experim	
Chronic toxicity Water invertebrate	NOEC	US EPA	<mark>1.17 m</mark> g / l	7 Tag (s)	Ceriodaphnia dubia		Sewage Read-ad	
sing basis: ATP4					Date of creat	ion: 2004-01-08		

Product number: 40318

# Soudal Carjoint

	Parameter Metho	od Value		Duration	Species	Test plar	n Sweet / Salt water	Valuation
Acute Toxicity To Fish	LC50	OECD 203	<mark>1 - &lt;1</mark> 0 mg / l	96 Stdn	Brachydanio rerio	Semistati	16 M	nental s system Value; GLP
cute Toxicity of Invertebrates	EC50	OECD 202 911 n	g / I	48 Stdn	Daphnia magna St	tatisches System	Sewage experin	
oxicity to algae and others	ErC50	OECD 201	<mark>&gt; 100</mark> 0 mg / l	72 Stdn	Selenastrum	Static System	Sewage experin	1
oxicity of water	EC50	OECD 209	<mark>&gt; 100</mark> 00 mg /	I 3 Stdn	Living mud static	System	Sewage experin	nental
The microorganisms						System	-	Value; GLP
drocarbons, C7, n-alkanes, isoalka	Parameter Meth			Duration	Species	Test plar	Sweet / Salt water	Valuation
cute Toxicity To Fish	LL50	OECD 203	<mark>&gt; 13.4</mark> mg / l WAF	96 Stdn	Oncorhynchus	Semistati	C Sewage Experim	nental Mykiss system Value; GLP
Acute Toxicity of Invertebrates	EL50	OECD 202	<mark>3.0 m</mark> g / I WA	F 48 Stdn	Daphnia magna St	atisches System	Sewage experim	
oxicity to algae and others	ErC50	OECD 201	<mark>30 - 1</mark> 00 mg / WAF	1 72 Stdn	Pseudokirchnerie subcapitata	Static	S,flwasser Expe	-
	ErC50	OECD 201	<mark>13 mg</mark> / I WA	F 72 Stdn	Pseudokirchnerie Ila subcapitata	Static System	Sewage Read-a	cross; GLP
Chronic toxicity to fish	NOELR		1,534 mg / I 2	28	Oncorhynchus mykiss		Sewage water C	2SAR
Chronic toxicity Vater invertebrate	NOEC		<mark>0.17 m</mark> g / I	21 Day (s)	Daphnia magna			Literature
	LOEC		<mark>0.32 m</mark> g / l	21 Day (s)	Daphnia magna			Literature
oxicity of water	EL50		<mark>26.81</mark> mg / I 4	l8 Sidn	Tetrahymena		Wastewater QS	AR; Waiting rate
he microorganisms ylbenzol		<u>k</u>		_	pyriformis			
<u>yibonzor</u>	Parameter Metho	od Value		Duration	Species	Test plar	Sweet / Salt water	Valuation
cute Toxicity To Fish	LC50	OECD 203 4.2 m	g / I	96 Stdn	Salmo gairdneri Se	emistatische	Sewage experim	nental s system Value
cute Toxicity of Invertebrates	EC50	US EPA	<mark>1.8 - 2</mark> .4 mg /	' I 48 Stdn	Daphnia magna St	atisches System	Sewage experin	nental Value
oxicity to algae and others	EC50	OECD 201 4.6 m	g / I	72 Stdn	Selenastrum capricornutum			Experimental Value; Waiting rate
Chronic toxicity to fish	ChV	ECOSAR v1.001	<mark>13 mg</mark> / I 1	30 Day (s)	Pisces			QSAR
Chronic toxicity Vater invertebrate	NOEC	EPA	mg / I US	7 Tag (s)	Ceriodaphnia dubia	Semistati	C Sewage experim	nental s system Value; Reproductior
oxicity of water The microorganisms	EC50		<mark>96 mg</mark> / I	24 Stdn	Nitrosomonas			Experimental Value
						-		
oxicity ‰ t	Parameter LC50	Method OECD 207		Value Duration <b>0.0</b> cm² 48 hrs	142-0.053 mg /		Species Eisenia fetida	Valuation Experimental
Soil macroorganisms						1.1		Value
ing is based on the relevant ingred	lients				_			
rmful to aquatic organisms, has a lo								

Toluene

Method	Value	Duration	Valuation	
OECD 301C: Modified MITI Test (I)	100%	14 Day (s)	Experimental value	
Half-life Boden (t1 / 2 Boden)				
Method	Value	Primary construction / mineralization	Valuation	
	2.6 Tag (s)		Literature study	
ising basis: ATP4		Date of creation: 2004-0	1-08	
ssing basis: ATP4		Date of creation: 2004-0 Date of preparation: 201		

Method	Value	Duration	Valuation
OECD 301D: Closed Bottle Test 9		28 Day (s)	Experimental value
hototransformation Air (DT50 Ai		20 Day (3)	
Method	Value	Conc. OH-Radicals	Valuation
	2.7-26.7 Stdn		Calculation value
alf-life Boden (t1 / 2 Boden)			
Method	Value	Primary construction / mineralization	Valuation
	1-7 Day (s)		Calculation value
Di-tert-butyl-p-cresol			
iological degradability of w <mark>ater</mark> Method	Value	Duration	
OECD 301C: Modified MITI Test (		28 Day (s)	Valuation Experimental value
hototransformation Air (DT50 Ai		20 Day (3)	
Method	Value	Conc. OH-Radical	Valuation
AOPWIN v1.92	7.02 Stdn	1.5E6 / cm <sup>3</sup>	Calculation value
iological degradability soil			
Method	Value	Duration	Valuation
	63.82%	1 Tag (s)	Experimental value
alf-life water (t1 / 2 water)	K	and the second s	
	Value	Primary construction / mineralization	Valuation
BIOWIN 4.10	37.5 Tag (e); QSAR	Prim Abb rer Abbau	Calculation value
alf-life of soil (t1 / 2 soil) Method	Value	Brimery construction ( win contraction (	Valuation
EPI Suite	75 Tag (s)	Primary construction / mineralization Prim Abb rer Abbau	Calculation value
alf-life air (t1 / 2 air)	1/5 Tay (S)	r in Abb for Abbad	
Method	Value	Primary construction / mineralization	Valuation
AOPWIN v1.92	7,018 Stdn	Prim Abb rer Abbau	Calculation value
<u>ol</u>			
iodegradability Water Method			
OECD 301: Light Biodegradability	21.02	Duration	Valuation
100% OECD 301F: Manometric 8	7.8%; GLP	12 Day (s)	Experimental value
Description (set		28 Day (s)	Read-across
Respiration test			
iological degradability of water			
Method	Value	Duration	Valuation
OECD 301D: Closed Bottle Test 7	'1%; GLP	28 Day (s)	Experimental value
Irocarbons, C7, n-alkanes, isoalka	nes, cyclic compounds		
iological degradability of water			
			Valuation
Method	Value	Duration	
OECD 301F: Manometric	98%	28 Day (s)	Experimental value
OECD 301F: Manometric Respiration test			
OECD 301F: Manometric Respiration test µbenzoL			
OECD 301F: Manometric Respiration test			Experimental value
OECD 301F: Manometric Respiration test /lbenzol. iological degradability of water	98%	28 Day (s)	
OECD 301F: Manometric Respiration test vlbenzoL iological degradability of water Method ISO 14593 hototransformation Air (DT50 Air	98% Value 70 - 80%; GLP	28 Day (s) Duration 28 Day (s)	Experimental value
OECD 301F: Manometric Respiration test //benzol_ iological degradability of water Method ISO 14593	98% Value 70 - 80%; GLP	28 Day (s) Duration 28 Day (s) Conc. OH-Radical	Experimental value
OECD 301F: Manometric Respiration test ylbenzoL iological degradability of water Method ISO 14593 hototransformation Air (DT50 Ai Method	98% Value 70 - 80%; GLP	28 Day (s) Duration 28 Day (s)	Experimental value Valuation Experimental value
OECD 301F: Manometric Respiration test //benzol. iological degradability of water Method ISO 14593 hototransformation Air (DT50 Ai Method alf-life Boden (t1 / 2 Boden)	98% Value 70 - 80%; GLP ir) Value	28 Day (s) Duration 28 Day (s) Conc. OH-Radical 500000 / cm <sup>3</sup>	Experimental value Valuation Experimental value Valuation
OECD 301F: Manometric Respiration test ylbenzoL iological degradability of water Method ISO 14593 hototransformation Air (DT50 Ai Method	98% Value 70 - 80%; GLP r) Value Value	28 Day (s) Duration 28 Day (s) Conc. OH-Radical	Experimental value Valuation Experimental value Valuation Valuation
OECD 301F: Manometric Respiration test vlbenzol. iological degradability of water Method ISO 14593 hototransformation Air (DT50 Ai Method alf-life Boden (t1 / 2 Boden) Method	98% Value 70 - 80%; GLP ir) Value	28 Day (s) Duration 28 Day (s) Conc. OH-Radical 500000 / cm <sup>3</sup>	Experimental value Valuation Experimental value Valuation
OECD 301F: Manometric Respiration test //benzol. iological degradability of water Method ISO 14593 hototransformation Air (DT50 Ai Method alf-life Boden (t1 / 2 Boden)	98% Value 70 - 80%; GLP r) Value Value	28 Day (s) Duration 28 Day (s) Conc. OH-Radical 500000 / cm <sup>3</sup> Primary construction / mineralization	Experimental value Valuation Experimental value Valuation Valuation Literature study
OECD 301F: Manometric Respiration test //benzol. iological degradability of water Method ISO 14593 hototransformation Air (DT50 Ai Method alf-life Boden (t1 / 2 Boden) Method alf-life air (t1 / 2 air)	98% Value 70 - 80%; GLP r) Value Value 3-10 Day (s) Value	28 Day (s) Duration 28 Day (s) Conc. OH-Radical 500000 / cm <sup>3</sup>	Experimental value Valuation Experimental value Valuation Valuation
OECD 301F: Manometric Respiration test //benzol. iological degradability of water Method ISO 14593 hototransformation Air (DT50 Ai Method alf-life Boden (t1 / 2 Boden) Method alf-life air (t1 / 2 air)	98% Value 70 - 80%; GLP ir) Value Value 3-10 Day (s)	28 Day (s) Duration 28 Day (s) Conc. OH-Radical 500000 / cm <sup>3</sup> Primary construction / mineralization	Experimental value Valuation Experimental value Valuation Valuation Literature study
OECD 301F: Manometric Respiration test //benzol. iological degradability of water Method ISO 14593 hototransformation Air (DT50 Ai Method alf-life Boden (t1 / 2 Boden) Method alf-life air (t1 / 2 air)	98% Value 70 - 80%; GLP r) Value Value 3-10 Day (s) Value	28 Day (s) Duration 28 Day (s) Conc. OH-Radical 500000 / cm <sup>3</sup> Primary construction / mineralization	Experimental value Valuation Experimental value Valuation Valuation Literature study
OECD 301F: Manometric Respiration test //benzol. iological degradability of water Method ISO 14593 hototransformation Air (DT50 Ai Method alf-life Boden (t1 / 2 Boden) Method alf-life air (t1 / 2 air) Method	98% Value 70 - 80%; GLP ir) Value Value 3-10 Day (s) Value 2.3 Tag (s)	28 Day (s) Duration 28 Day (s) Conc. OH-Radical 500000 / cm <sup>3</sup> Primary construction / mineralization	Experimental value Valuation Experimental value Valuation Valuation Literature study
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			e e	Soudal C	Carjoint	
luene						
BCF Fish	Barris - d		h/stss			
Parameter BCF	Method		Value 90	Duration 72 Stdn	Species Leuciscus idus	Valuation
	_		30	12 Starr	Leaciscus iuus	Experimental value
Log Kow Method	_	Note		Value	Temperature	Valuation
Other				2.73	20 ° C	Experimental value
tanone					dah -	
Log Kow						
Method		Note		Value	Temperature	Valuation
OECD 117				0.3	40 ° C	Experimental value
c oxide						
Log Kow Method		hi i		Value		here a
Wethod		Note		1.53	Temperature	Valuation Worth to see
Content-butyl-p-cre	esol	-				
BCF Fish						
Parameter	Method		Value	Duration	Species	Valuation
BCF	OECD 30	5	230 - 2500	56 Tag (s)	Cyprinus carpio	Experimental value
_og Kow						
Method		Note		Value	Temperature	Valuation
L				5.1		Experimental value
lol RCE Eich						
BCF Fish Parameter	Method		Value	Duration	Species	Valuation
BCF	metriou		7 - 26	8 week (s)	Species Oncorhynchus mykiss	Experimental value
Log Kow	_			D WEEK (S)		
Method		Note		Value	Temperature	Valuation
2				3.2	20 ° C	Analogy conclusion
lophonium						
BCF other aquati					An an a second second	
Parameter	Method		Value	Duration	Species	Valuation
BCF	BCFBAF	v3.00	56.2			QSAR
Log Kow Method		Maria		Value		history (and
OECD 117	-	Note		1.9	Temperature	Valuation Experimental value
drocarbons, C7, r	n-alkanes, isoa	Ikanes,	cyclic compounds			
_og Kow			• •			
Method		Note		Value	Temperature	Valuation
				> 3		
hylbenzol BCF Fish						
Parameter	Method		Value	Duration	Creation	Maluation
BCF	Other		1	6 week (s)	Species Oncorhynchus kisutch	Valuation Literature study
[	Outer		15 - 79	0 WCCR (3)	Carassius auratus	Literature study
BCF other aquati	c organisms					
Parameter	Method		Value	Duration	Species	Valuation
BCF			4.68		Lamellibranchiata	Literature study
og Kow						
Method		Note		Value	Temperature	Valuation
EU Method A.8				3.6	20 ° C	Experimental value
clusion		oort (-)				
ontains Bioaccumu	nauve Compo	nent (S)				
4 Mobility in the	e soil:					
tanone						
log) Koc						
Parameter				Method	Value 34	Valuation
Koc		_			34	Calculation value
Volatility (Henry )	Constant H)	Method		Temperature	Note	Valuation
1.06 Pa.m <sup>3</sup> / mol				remperature	Note	valuation
c oxide						
log) Koc				2		
Parameter				Method	Value	Valuation
log Koc					2.2	Literature study
97						
sing basis: ATP4						ion: 2004-01-08
					Date of prepa	aration: 2015-02-14
					_	
sing number: 0500	)				Product num	ber: 40318

Soudal	Carjoint

Parameter					Method			Value		Valuation	
Koc	_	_			PCKOCWI	N v1.66		23030		Calculation value	_
log Koc					PCKOCWI	-		4,362		Calculation value	
/olatility (Henry Cons	stant H)				1			1			
Value		lethod		Temr	erature		Note			Valuation	
8.92E-5 atm m <sup>3</sup> / mo	I S	RC HEN	IRYWIN v3.10		Jonatare				_	Calculation value	_
Percentage distribution					-	-		1	_		
Method	Fraction pa	art air	Fragment Biota Fra	gment	F	Fractional part	Soil Fraction	al part Wat	er determin	nation	
				Sediment							
Mackay Level III	0.37%			30.4%	E	58.5%	10.7%	1	Calculation	n value	
lophonium							1				
log) Koc											
Parameter					Method			Value		Valuation	
log Koc					SRC PCKC	DCWIN v2.0		0.8759		QSAR	
drocarbons, C7, n-alka	anes, isoalkan	es, cyclic	compounds		10						
Percentage distribution											
Method	Fraction pa	art air	Fragment Biota Fra	I		Fractional part	Soil Fraction	al part Wat	er determin	nation	
			00/	Sediment		0.550/					
Mackay Level III 96%	6		0%	1.8%	C	0.55%	1.4%		Calculation	n value	
nylbenzol											
log) Koc					he (* *			h			_
Parameter					Method			Value		Valuation	
log Koc					PCKOCWI	IN V1.66		2.71		Calculation value	
olatility (Henry Cons					1		-				
Value		lethod			erature		Note	_		Valuation	
0.00843 atm m <sup>3</sup> / mo				25 ° C	;		1000			Experimental value	
Percentage distribution				-			-		r		
Method	Fraction pa	art air	Fragment Biota Fra	Sediment		Fractional part	SoilFraction	al part Wat	er determin	nation	
Mackay Level I	99.45%			0.05%		0.05%	0.45%		QSAR		
clusion Intains component (s) in Intains ingredient (s) w .5 Results of	that adsorb (ar ith potential fo <b>PBT and</b> ation, no state	r soil mo d vPv	<sup>bility</sup> Bassessme		mponent (s)			vPvB Anne:		gulation (EC) No 1907/2006.	
clusion Intains component (s) i Intains ingredient (s) w IS Results of e to insufficient information	that adsorb (au ith potential fo <b>PBT anc</b> ation, no state fulfill. s: Soudal Car	nr soil mo <b>d vPv</b> ment car	<sup>bility</sup> Bassessme		mponent (s)			vPvB Anne:		gulation (EC) No 1907/2006.	
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clusion ntains component (s) i ntains ingredient (s) w <b>.5 Results of</b> e to insufficient informa- 07/2006 fulfilled resp. f <b>Other adverse effect</b> nouse Potential (GWP) e of the known compor- ne depletion potential classified as dangerou- uene Greenhouse Potential classified as dangerou- uene Greenhouse Potential Groundwater hardening tanone Groundwater hardening isolic greenhouse potential No entry in the list of flu- Groundwater hardening isolic greenhouse potential No entry in the list of flu- Groundwater hardening Calculation of the Groundwater hardening Groundwater hardening Calculation of the Groundwater hardening Groundwater hardening Groundwater hardening Calculation of the Groundwater hardening Calculation of the Groundwater hardening Calculation of the Groundwater hardening Groundwater hardwater hardening Groundwater hardwater hardwa	that adsorb (au iith potential fo <b>PBT and</b> ation, no state fulfill. s: Soudal Car i ( <b>GDP</b> ) s for the ozone <b>otential (GWP</b> uorinated gree g ( <b>GWP</b> ) uorinated gree	r soil mo d vPv ment car joint ed in the e layer (R ) mhouse (	bility <b>B</b> assessment a be made as to whet list of fluorinated greater Regulation (EC) No 10 gases (Regulation (EG) gases (Regulation (EG)	ther the cor enhouse g 005/2009) C) No 517/ C) No 517/	ases (Regul 2014) 2014)	meet the criteria	a for PBT and 117/2014).		x XIII to Reg	8	

Soudal Carjoint							
2,6-Di-tert-butyl-p-cresol							
Greenhouse potential (GWP)							
No entry in the list of fluorinated greenhouse gases (Regulation (EC) No 517/2014)							
<u>Xylol</u>							
Greenhouse Potential (GWP)							
No entry in the list of fluorinated greenhouse gases (Regulation (EC) No 517/2014)							
Groundwater							
Groundwater hardening							
Colophonium							
Greenhouse Potential (GWP)							
No entry in the list of fluorinated greenhouse gases (Regulation (EC) No 517/2014)							
Groundwater							
Groundwater hardening							
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclic compounds							
Greenhouse potential (GWP)							
No entry in the list of fluorinated greenhouse gases (Regulation (EC) No 517/2014)							
Ethylbenzole							
Greenhouse Potential (GWP)							
No entry in the list of fluorinated greenhouse gases (Regulation (EC) No 517/2014)							
SECTION 13: Disposal considerations							
The information contained in this section is a general description. If applicable and available, the exposure scenarios are included in the appendix. You must always use							
related exposure scenarios that have their identified uses							
13.1 Procedure for waste treatment:							
13.1.1 Waste regulations							

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

08 04 09 \* (HZVA waste from adhesives and sealants (including water-repellent materials): adhesives and sealants containing organic solvents or other hazardous substances). Depending on the industry branch and the production process, other waste codes may also be applicable. Hazardous waste according to Directive 2008/98 / EC.

13.1.2 Disposal considerations

Recycling / Reusing. Dispose of waste in accordance with local and / or national regulations. Hazardous waste should not be mixed with other waste. Different types of hazardous waste should not be mixed, as this can lead to contamination or can lead to problems in the further processing of the waste. Hazardous waste must be handled responsibly. All facilities that store, transport or handle hazardous waste must take the necessary measures to avoid the risk of contamination or damage to humans or animals. Not in the sewers or the environment.

#### 13.1.3 Packaging

Waste code containers (Directive 2008/98 / EC).

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

13.1.4 Disposal of contaminated areas:

Completely dispose of containers

## SECTION 14: Transport information

Street (ADR)		
14.1 UN number:		2011
UN number	1133	0
14.2 Ordnungsgem ‰ fle UN Shipping designation:		
Ordnungsgem ‰ fle Shipping designation 14.3	Adhesives, Special Requirement 640H	
Transport hazard classes: Number for identification of		
the hazard class	33	
	3	
Classification code	F1	
14.4 Packing group: Packing		
group Hazard labels	lii lii	
	3	
14.5 Environmental hazards:		
Indicators of environmentally harmful substances	no	
Processing basis: ATP4	Date of creation: 2004-01-08	
	Date of preparation: 2015-02-14	
Processing number: 0500	Product number: 40318	25/30

Spe			
Spe		n by the year	
	ecial precautions to be take	n by the user:	
	ecial regulations		640H
Limi	nited quantities		Composite packaging: up to 5 liters per inner packaging for liquid substances. A
			shipping item must not weigh more than 30 kg.
			(Gross mass)
C	a sifin information		
Spe	ecific information		Viscous liquid with a flash point below 23 ° C, which the conditions of the
			ADR listed in 2 2 3 1 4
ailway	(RID)		
-			
14.1 UN	I number:		
UN	Inumber		1133
		the destant of the	
	dnungsgem ‰ fle UN Shipp		
Ord	dnungsgem ‰ fle Shipping (	designation 14.3	Adhesives, Special Requirement 640H
Transpo	ort hazard classes: Number	for identification of the	
haz	zard class		33
			3
Clas	assification code 14.4		F1
Packing	group: Packing group		
Haz	zard statements 14.5		
-	vironmental hazards:		3
Cha	aracteristics for environmen	tally hazardous	no
substand	ices 14.6 Special precaution	is to be taken by the user:	
Spe	ecial regulations		640H
Lim	nited quantities		Composite packaging: up to 5 liters per inner packaging for liquid substances. A
1			shipping item must not weigh more than 30 kg.
- H			(Gross mass)
Spe	ecific information		Viscous liquid with a flash point below 23 ° C, which meets the conditions
			of the RID
10			
land w	vaterways (ADN)		
14.1 UN	I number:		
			1133
UN	Inumber		1133
14.2 Ord	dnungsgem ‰ fle UN Shipp	ing designation:	
Ord	dnungsgem ‰ fle Shipping o	designation 14.3	Adhesives, Special Requirement 640H
	ort hazard classes: Class Cl		
Pac	cking group: Packing group	Hazard label 14.5	3
Env	vironmental hazards:		F1
996 92			
			3
0.7			B
_			
Indi	licators of environmentally h	armful substances	no
	ecial precautions to be take	n by the user:	
14.6 Spe			
			640H
	ecial regulations		640H
Spe			640H Composite packaging: up to 5 liters per inner packaging for liquid substances. A
Spe	ecial regulations		
Spe	ecial regulations		Composite packaging: up to 5 liters per inner packaging for liquid substances. A
Spe Limi	ecial regulations nited quantities		Composite packaging: up to 5 liters per inner packaging for liquid substances. A shipping item must not weigh more than 30 kg. (Gross mass)
Spe Limi	ecial regulations		Composite packaging: up to 5 liters per inner packaging for liquid substances. A shipping item must not weigh more than 30 kg. (Gross mass) Viscous liquid with a flash point below 23 ° C, which the conditions of the
Spe Limi Spe	ecial regulations nited quantities ecific information		Composite packaging: up to 5 liters per inner packaging for liquid substances. A shipping item must not weigh more than 30 kg. (Gross mass)
Spe Limi Spe	ecial regulations nited quantities		Composite packaging: up to 5 liters per inner packaging for liquid substances. A shipping item must not weigh more than 30 kg. (Gross mass) Viscous liquid with a flash point below 23 ° C, which the conditions of the
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Spe Limi Spe 14.1 UN 14.2 Ordi Transpo 14.4 Pac grou 14.5 Envi Mar chai 14.6 Spe Spe Spe	ecial regulations iited quantities ecific information DG / IMSBC) I number: I number dnungsgem % fle LIN Shipp dnungsgem % fle LIN Shipp dnungsgem % fle Shipping J out Hazard Classes: Class cking group: Packing up Hazard statements vironmental bazards: rine pollutant aracteristics of environmenta ecial regulations ecial regulations ecial regulations hited quantities	sing Designation:	Composite packaging: up to 5 liters per inner packaging for liquid substances. A shipping item must not weigh more than 30 kg. (Gross mass) Viscous liquid with a flash point below 23 ° C, which the conditions of the DNA listed in 2 2 3 1 4  1133 Adhesives 3 III III 3 223 955 Composite packaging: up to 5 liters per inner packaging for liquid substances. A shipping item must not weigh more than 30 kg.

Specific information	Viscous liquid with a flash point below 23 ° C which meets the conditions of the IMDG Code in 2.3.2.3 14.7 Mass Goods Promotion
Annex II of the MARPOL Agreement 73/78 and the IBC Code:	
Annex II of MARPOL 73/78 Not applicable, based on the foregoing informa	ation
Air (ICAO-TI / IATA-DGR) 14.1 UN number:	
UN number	1133
14.2 Ordnungsgem ‰ fle UN Shipping designation:	
Ordnungsgem ‰ fle Shippi <mark>ng designation 14.3</mark>	Adhesives
Transport hazard classes: Class 14.4 Packing group:	
Packing group Hazard label 14.5 Environmental	3
hazards:	
	3
Characteristics for environmentally hazardous	no
substances 14.6 Special precautions to be taken by the user:	
Special regulations	A3
Passenger and cargo aircraft: Limited quantities: maximum Total quantity per package	10 L
Specific information	Viscous liquid with a flash point below 23 ° C, which meets ICAO requirements in 3.3.3.1
ECTION 15: Legislation	
15.1 Safety, health and environmental protection regulation mixture: European legislation: FOV Salary Directive 2010/75 / EU	
FOV content	Note
40%	

REACH Appendix XVII - Restriction

Contains component (s) which comply with the restrictions set out in Annex XVII to Regulation (EC) No 882/2004. 1907/2006: Subject to restrictions on the manufacture, transport and use of certain dangerous substances, mixtures and products.

	Designation of the substance, groups of	Restrictions
	substances or preparations Liquid	
Toluene	substances or mixtures which are not used acco	rding to the 1st Directive Directive
Butanone	1999/45 / EC as dangerous in decorative article	contentated for the deterministic of the second
Hydrocarbons, C7, n-alkanes,	eg in mood lamps and ashtrays; Annex I to Reg	daitioga(166) No d272/2008coparSciparzspielemphodarts doessee et that esperies suesteraled
Isoalkanes, cyclic compounds	for decoration, are determined.2. Products that (	oplancedniectypesagraph B, 2) Dantjer 2:183; 2:512. tategofies Balva 2.1702be mlayerobbethe
Ethylbenzol	market if they contain a coloring agent for tax re	ରତାଙ୍କଙ୍କାର୍ଯ୍ୟ ମଙ୍କରୁ ଇଥିଲାର ସାହରୁ ହାଇଏଥିରେ ଅଧିକର ଅନ୍ୟର୍ଯ୍ୟରେ ଅଧିକରି ଅଧିକରି ଅଧିକରି ଅଧିକରି ଅଧିକରି ଅଧିକରି ଅଧିକର ଅଭିନେକରା ଅଧିକରି ଅଧିକ
		E unappealin Oldentsitteey for Steen plancezation the Entrit ket and the ly dull the deate we lizen pents No 1319eand
		d by the implementation of other Community provisions on the d) Hazard class 5.1.
		Staging, packaging and labeling of dangerous substances and mixtures ensure that suppliers supply the following requirements before the shipment are met: , legible and indelibly the following inscriptions: ÇLamps filled with this liquid are easy for children to keep and as of December 1, 2010 life-threatening damage to the lungs. b) Labeled with R65 or H304 and for the purpose of giving to the general public liquid grilling changes, as of December 1, 2010, read and unmistakably bear the following inscription: Digestion of the lungs. c) Lamps and grilles marked with R65 or H304 and designated for public use by the general public shall be unpacked from 1 December 2010 in black opaque containers with a maximum quantity of 1 liter. Bis sp ‰ testens 1.
		In June 2014, the Commission asked the European Chemicals Agency to prepare a dossier pursuant to Article 69 of this Regulation, in which case a ban of R65 or H304, which may have been imposed and for the public to be required to make liquid barbecue changes and fuels for decorative lamps will be released.7. Natural or legal persons who first bring into circulation lamps marked with R65 or H304 and liquid grill changes shall notify the relevant authority of the relevant authority until 1 December 2011 and thereafter annually.
ocessing basis: ATP4		Date of creation: 2004-01-08
100001119 Dasis. A1 F4		
		Date of preparation: 2015-02-14
ocessing number: 0500		Product number: 40318 27/30

		Member Otele Dete en ellemeting to Dr USAU-to-stadio
		Member State Data on alternatives to R5 or H304 labeled lamps and liquid grill changes. Member States shall make such data available to the Commission.1 Substances which, as
		flammable gases of the 1. May not be used as a substance or as a mixture in aerosol packs
anone		ses til febblaan haublicschildsgofieate gori?, has fl2n in Dadoeria diainis witbartegalies lus 20 ref8edts ber giaeticalaef gr B.
anone		, catilgetielisids,2aers2bstaspoostanelooisobielisenblotes (pyftaphnoab)-Oartegotyucheqidetbratilioiabsmew and tii horni <b>tme (ba</b> tegoeylistelaliss Aleaexuleis, Plertexemantiljoiarl (websaedefliated fontbiccRequivetjourpoSatis) koloetberud
Irocarbons, C7, n-alkanes,		non regolapiontisignitiae freidpackgegitiggoptaakabjorgeandrikbeleidgaef subkpackesistble autopfisible, käykke non regolapiontisignitiae freidpackgegitiggoptaakabjorgeandrikbeleidgaef subkpackesistble autopfisible, käykke
kanes, cyclic compounds	indelible:	
benzol		
		ÇOnly for commercial users.3. By way of derogation from paragraphs 1 and 2, the aerosol packagin
		referred to in Article 8 paragraph 1 of Directive 75/324 / EEC shall not apply.4. The aerosol packs
		mentioned in paragraphs 1 and 2 may only be put into circulation if they meet the requirements lister there.
ene	Toluene	
ene	l'oluene	Do not use as a substance or in mixtures in concentrations of ÿ 0.1% by weight for the
		Submission to the general public of specified adhesives and dye sprays may be put into circulation o used.
	2 C	useu.
National legislation Germany		
Soudal Carjoint	1	
WGK		ent basis according to the Administration Directive for Water-Resistant Substances (VwVwS) of 27
-	July 2005 (Appendix 4)	
Toluene		
Pregnancy group	c	
MAK 8-hour average	Toluene; 50 ppm	
ppm		
MAK 8-hour mean mg / m <sup>3</sup>	Toluene; 190 mg / m <sup>3</sup>	
	Toldene, 190 mg / m	
TA-Luft	CO.C. IN	
	5.2.5; IN	
Butanone		
Pregnancy group	С	
MAK 8-hour average	2-Butanone; 200 ppm	
ppm		
MAK 8-hour mean mg / m <sup>3</sup>	2-Butanone; 600 mg / m <sup>3</sup>	
TA-Luft	5.2.5	
Zinc oxide	1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 -	
Pregnancy group	С	
Pregnancy group	c	
MAK 8-hour mean mg / m <sup>3</sup>	Zine and its increasis companyeds (altracks for	
MAR 8-hour meaning / m-	Zinc and its inorganic compounds (aiveolar fra	action); 0.1 mg / ml; measured as an alveolar fraction (cf. section Vd) p. 191)
		raction); 2 mg / m <sup>3</sup> ; measured as an integral fraction (cf.
	Abschn. Vd) S. 191)	
TA-Luft	5.2.1	
2,6-Di-tert-butyl-p-cresol		
MAK - Carcinogenic	4	
Category		
Pregnancy group	С	
MAK 8-hour mean mg / m <sup>3</sup>	Butylbydroyyteluel (BHT): 10 mg / m3i man	red as an integral fraction (of section V/d) p. 101)
	Butyinyuroxytoluol (Brit), TO mg / my; measur	red as an integral fraction (cf. section Vd) p. 191)
TA-Luft	E 2 ELIN	
	5.2.5; IN	
	(a)):	
TA-Luft	5.2.5; IN	
Colophonium		
TA-Luft	5.2.1	
Ethylbenzol		
3 5	4	
MAK - Carcinogenic	4	
MAK - Carcinogenic Category	4 C	
MAK - Carcinogenic Category Pregnancy group	4 C	
MAK - Carcinogenic Category Pregnancy group MAK 8-hour average	4 C Ethylbenzol; 20 ppm	
MAK - Carcinogenic Category Pregnancy group MAK 8-hour average ppm		
MAK - Carcinogenic Category Pregnancy group MAK 8-hour average		
MAK - Carcinogenic Category Pregnancy group MAK 8-hour average ppm MAK 8-hour average mg / m <sup>3</sup>	Ethylbenzol; 20 ppm	
MAK - Carcinogenic Category Pregnancy group MAK 8-hour average ppm MAK 8-hour average	Ethylbenzol; 20 ppm	
MAK - Carcinogenic Category Pregnancy group MAK 8-hour average ppm MAK 8-hour average mg / m <sup>3</sup>	Ethylbenzol; 20 ppm Ethylbenzol; 88 mg / m <sup>3</sup>	
MAK - Carcinogenic Category Pregnancy group MAK 8-hour average ppm MAK 8-hour average mg / m <sup>3</sup>	Ethylbenzol; 20 ppm Ethylbenzol; 88 mg / m <sup>3</sup>	
MAK - Carcinogenic Category Pregnancy group MAK 8-hour average ppm MAK 8-hour average mg / m <sup>3</sup>	Ethylbenzol; 20 ppm Ethylbenzol; 88 mg / m <sup>3</sup>	Date of creation: 2004-01-08
MAK - Carcinogenic Category Pregnancy group MAK 8-hour average ppm MAK 8-hour average mg / m <sup>3</sup> TA-Luft	Ethylbenzol; 20 ppm Ethylbenzol; 88 mg / m <sup>3</sup>	
MAK - Carcinogenic Category Pregnancy group MAK 8-hour average ppm MAK 8-hour average mg / m <sup>3</sup> TA-Luft	Ethylbenzol; 20 ppm Ethylbenzol; 88 mg / m <sup>3</sup>	Date of creation: 2004-01-08 Date of preparation: 2015-02-14

	Sou	Idal Car	joint	
National logislation Delation				
National legislation Belgium Soudal Carjoint				
No data available				
Other relevant data				
Soudal Carjoint No data available				
TLV - Carcinogen	Toluene; A4			
ILV - Carcinogen	3; Toluene			
2,6-Di-tert-butyl-p-cresol				
TLV - Carcinogen	Butylated hydroxytoluene (BHT);	A4		
IARC classification	3; Butylated hydroxytoluene (bht			
Xylol				
IARC classification	3; Xylenes			
Ethylbenzol				
TLV - Carcinogen	Ethyl benzene; A3			
IARC classification	2B; Ethylbenzene			
15.2 Fabric safety asse <mark>ss</mark>	ment:			
No fabric safety assessment re	quired.			
CTION 16: Other ir				
Full words of all R-phrases listed	under points 2 and 3:			
R10 Inflammable R20 Health damage if inhaled				
R20 / 21 Harmful by inhalation	and in contact with skin			
R36 Irritating to eyes				
R38 Irritating to skin				
R43 Sensitization by skin conta	ct possible			
	rious damage to health by prolonged e	exposure through inhala	ation	
R50 Very toxic to aquatic organ				
R51 Toxic to aquatic organisms R52 Harmful to aquatic org <mark>anis</mark>				
R53 May have long-term harmf				
R63 May cause harm to the unl				
R65 Harmful: may cause lung c	lamage if swallowed			
R66 Repeated exposure may c	•	_		
R67 Vapors may cause drowsin				
Full words of all H-phrases listed H225 Liquid and vapor highly fla				
H226 Liquid and vapor flammat				
H304 May be fatal if swallowed				
H312 Harmful in contact wi <mark>th sk</mark>				
H315 Causes skin irritation.				
H317 May cause an allergi <mark>c ski</mark>				
H319 Causes serious eye irritat H332 Health damage by inhalatior				
H336 May cause drowsiness ar				
H361d Presumably can harm th				
	earing damage) during prolonged or re	peated exposure.		
	if inhaled during prolonged or repeated	d exposure.		
H400 Very toxic to aquatic orga				
H410 Very toxic to aquatic orga H411 Toxic to aquatic organism	anisms, has a long lasting effect.			
	isms, has a long-term effect.			
	-			
(*) = SELFSTEINSTUFUNG VC				
(*) = SELFSTEINSTUFUNG VC	ioaccumulative and toxic substances			
(*) = SELFSTEINSTUFUNG VC PBT substances = persistent, b DSD Dangerous Substance Dir	ioaccumulative and toxic substances ective - Guideline on Hazardous Subs	tances		
(*) = SELFSTEINSTUFUNG VC PBT substances = persistent, b DSD Dangerous Substance Dir DPD Dangerous Pr	ective - Guideline on Hazardous Subs reparation Directive - Guideline on the	Dangerous Preparatior		
(*) = SELFSTEINSTUFUNG VC PBT substances = persistent, b DSD Dangerous Substance Dir DPD Dangerous Pr	ective - Guideline on Hazardous Subs	Dangerous Preparatior		
(*) = SELFSTEINSTUFUNG VC PBT substances = persistent, b DSD Dangerous Substance Dir DPD Dangerous Pr	ective - Guideline on Hazardous Subs reparation Directive - Guideline on the	Dangerous Preparatior		
(*) = SELFSTEINSTUFUNG VC PBT substances = persistent, b DSD Dangerous Substance Dir DPD Dangerous Pr CLP (EU-GHS) Classification, b	ective - Guideline on Hazardous Subs reparation Directive - Guideline on the	Dangerous Preparatior		BIG
(*) = SELFSTEINSTUFUNG VC PBT substances = persistent, b DSD Dangerous Substance Dir DPD Dangerous Pr CLP (EU-GHS) Classification, la M-Factor 2,6-Di-tert-butyl-p-cresol	ective - Guideline on Hazardous Subs reparation Directive - Guideline on the abeling and packaging (Globally Harm	Dangerous Preparatior	pe)	BIG
(*) = SELFSTEINSTUFUNG VC PBT substances = persistent, b DSD Dangerous Substance Dir DPD Dangerous Pr CLP (EU-GHS) Classification, la M-Factor 2.6-Di-tert-butyl-p-cresol Specific concentration limits DSD	ective - Guideline on Hazardous Subs reparation Directive - Guideline on the abeling and packaging (Globally Harm	Dangerous Preparatior onized System in Europ	Acute	
(*) = SELFSTEINSTUFUNG VC PBT substances = persistent, b DSD Dangerous Substance Dir DPD Dangerous Pr CLP (EU-GHS) Classification, la M-Factor 2,6-Di-tert-butyl-p-cresol	ective - Guideline on Hazardous Subs reparation Directive - Guideline on the abeling and packaging (Globally Harm	Dangerous Preparatior	pe)	BIG DSD Appendix VI (,
(*) = SELFSTEINSTUFUNG VC PBT substances = persistent, b DSD Dangerous Substance Dir DPD Dangerous Pr CLP (EU-GHS) Classification, la M-Factor 2,6-Di-tert-butyl-p-cresol Specific concentration limits DSC Xylol All information contained in this	ective - Guideline on Hazardous Subs reparation Directive - Guideline on the abeling and packaging (Globally Harm ) ) safety data sheet is based on the data	Dangerous Preparation onized System in Europ 1 C ÿ 12.5% a and samples provided	Acute Xn; R20 / 21 I by BIG. The information follows	DSD Appendix VI (/
(*) = SELFSTEINSTUFUNG VC PBT substances = persistent, b DSD Dangerous Substance Dir DPD Dangerous Pr CLP (EU-GHS) Classification, la <b>M-Factor</b> 2,6-Di-tert-butyl-p-cresol <b>Specific concentration limits DSC</b> Xylol All information contained in this determine knowledge and cons	ective - Guideline on Hazardous Subs reparation Directive - Guideline on the abeling and packaging (Globally Harm ) ) ) safety data sheet is based on the data ciences and correspond to the state of	Dangerous Preparation onized System in Europ 1 C ÿ 12.5% a and samples provided f knowledge at the time	Acute Xn; R20 / 21 I by BIG. The information follows of the creation of the safety data sho	DSD Appendix VI (,
(*) = SELFSTEINSTUFUNG VC PBT substances = persistent, b DSD Dangerous Substance Dir DPD Dangerous Pr CLP (EU-GHS) Classification, la M-Factor 2,6-Di-tert-butyl-p-cresol Specific concentration limits DSC Xylol All information contained in this determine knowledge and cons instructions on how to safely ha	ective - Guideline on Hazardous Subs reparation Directive - Guideline on the abeling and packaging (Globally Harm ) ) safety data sheet is based on the data	Dangerous Preparation onized System in Europ 1 C ÿ 12.5% a and samples provided f knowledge at the time	Acute Xn; R20 / 21 I by BIG. The information follows of the creation of the safety data sho	DSD Appendix VI (,
(*) = SELFSTEINSTUFUNG VC PBT substances = persistent, b DSD Dangerous Substance Dir DPD Dangerous Pr CLP (EU-GHS) Classification, la M-Factor 2.6-Di-tert-butyl-p-cresol Specific concentration limits DSE Xylol All information contained in this determine knowledge and cons instructions on how to safely ha data sheets will be created, by	ective - Guideline on Hazardous Subs reparation Directive - Guideline on the abeling and packaging (Globally Harm ) ) ) safety data sheet is based on the data ciences and correspond to the state of	Dangerous Preparation onized System in Europ 1 C ÿ 12.5% a and samples provided f knowledge at the time	Acute Xn; R20 / 21 I by BIG. The information follows of the creation of the safety data sho tances / preparations / mixtures listed	DSD Appendix VI (, eet. The safety data sheet provides d under point 1. At a given time, new
(*) = SELFSTEINSTUFUNG VC PBT substances = persistent, b DSD Dangerous Substance Dir DPD Dangerous Pr CLP (EU-GHS) Classification, la M-Factor 2,6-Di-tert-butyl-p-cresol Specific concentration limits DSC Xylol All information contained in this determine knowledge and cons instructions on how to safely ha	ective - Guideline on Hazardous Subs reparation Directive - Guideline on the abeling and packaging (Globally Harm ) ) ) safety data sheet is based on the data ciences and correspond to the state of	Dangerous Preparation onized System in Europ 1 C ÿ 12.5% a and samples provided f knowledge at the time	Acute Acute Xn; R20 / 21 I by BIG. The information follows of the creation of the safety data sho tances / preparations / mixtures listed Date of creation: 2004-0	DSD Appendix VI (, cet. The safety data sheet provides d under point 1. At a given time, new 1-08
(*) = SELFSTEINSTUFUNG VC PBT substances = persistent, b DSD Dangerous Substance Dir DPD Dangerous Pr CLP (EU-GHS) Classification, la <b>M-Factor</b> 2,6-Di-tert-butyl-p-cresol <b>Specific concentration limits DSE</b> Xylol All information contained in this determine knowledge and cons instructions on how to safely ha data sheets will be created, by	ective - Guideline on Hazardous Subs reparation Directive - Guideline on the abeling and packaging (Globally Harm ) ) ) safety data sheet is based on the data ciences and correspond to the state of	Dangerous Preparation onized System in Europ 1 C ÿ 12.5% a and samples provided f knowledge at the time	Acute Xn; R20 / 21 I by BIG. The information follows of the creation of the safety data sho tances / preparations / mixtures listed	DSD Appendix VI (, cet. The safety data sheet provides d under point 1. At a given time, new 1-08

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