

This safety data sheet was created pursuant to the requirements of: Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

BOSTIK CONTACT N320 MULTI Supercedes Date: 19-Oct-2020 Revision date 01-Sep-2022 Revision Number 1.02

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

1	1	Ρ	rc	d	u	C	t	identifier	

Product Name BOSTIK CONTACT N320 MULTI

Pure substance/mixture Mixture

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

Recommended use	Adhesive

Uses advised against None known

1.3. Details of the supplier of the safety data sheet

Company Name Bostik Limited Common Rd ST16 3EH Stafford UK Tel: +44 (1785) 27 26 25 Fax: +44 (1785) 25 72 36

E-mail address

SDS.box-EU@bostik.com

1.4. Emergency telephone number

United Kingdom	+44 (1785) 272650	
Ireland	Bostik: +353 (1) 8624900	(Monday- Friday 9am-5pm)
Europe	112	

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Serious eye damage/eye irritation	Category 2 - (H319)
Specific target organ toxicity — single exposure	Category 3 - (H336)
Chronic aquatic toxicity	Category 2 - (H411)
Flammable liquids	Category 2 - (H225)

2.2. Label elements

Contains Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane, Methyl ethyl ketone, Ethyl acetate, Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics

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Signal word Danger

Hazard statements

H319 - Causes serious eye irritation.

H336 - May cause drowsiness or dizziness.

H411 - Toxic to aquatic life with long lasting effects.

H225 - Highly flammable liquid and vapour.

EU Specific Hazard Statements

EUH208 - Contains rosin & methylols. May produce an allergic reaction EUH066 - Repeated exposure may cause skin dryness or cracking

Precautionary Statements - EU (§28, 1272/2008)

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

- P261 Avoid breathing dust/fume/gas/mist/vapours/spray
- P264 Wash face thoroughly after handling

P271 - Use only outdoors or in a well-ventilated area

P273 - Avoid release to the environment

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

P312 - Call a POISON CENTER or doctor if you feel unwell

P370 + P378 - In case of fire: Use dry chemical, CO2, water spray or alcohol-resistant foam to extinguish

P391 - Collect spillage

P403 + P235 - Store in a well-ventilated place. Keep cool

P405 - Store locked up

P501 - Dispose of contents/ container to an approved waste disposal plant

Additional information

This product requires tactile warnings if supplied to the general public.

2.3. Other hazards

In use, may form flammable/explosive vapour-air mixture.

PBT & vPvB

This mixture contains no substance considered to be persistent, bioaccumulating or toxic (PBT). This mixture contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable

3.2 Mixtures

Chemical name	EC No	CAS No	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Specific concentration limit (SCL)	REACH registration number
Hydrocarbons, C6-C7,	926-605-8	RR-100223-9	20 - 25	STOT SE 3	-	01-2119486291-

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isoalkanes cyclics <5%				(H336)		36-xxxx
isoalkanes, cyclics, <5% n-hexane				Asp. Tox. 1 (H304) Aquatic Chronic 2 (H411) Flam. Liq. 2		30-XXX
				(H225) (EUH066)		
Methyl ethyl ketone	201-159-0	78-93-3	20 - 25	Eye Irrit. 2 (H319) (EUH066) STOT SE 3 (H336) Flam. Liq. 2 (H225)	-	01-2119457290- 43-XXXX
Ethyl acetate	205-500-4	141-78-6	10 - <20	Eye Irrit. 2 (H319) STOT SE 3 (H336) Flam. Liq. 2 (H225) (EUH066)	-	01-2119475103- 46-XXXX
Poly-2-chlorobutadiene- 1,3	-	UNKNOWN	10 - <20	-	-	-
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics	927-510-4		5 - <10	STOT SE 3 (H336) Asp. Tox. 1 (H304) Skin Irrit. 2 (H315) Aquatic Chronic 2 (H411) Flam. Liq. 2 (H225)	-	01-2119475515- 33-xxxx
Hydrocarbons, C6, isoalkanes, <5% n-hexane	931-254-9		5 - <10	STOT SE 3 (H336) Asp. Tox. 1 (H304) Skin Irrit. 2 (H315) Aquatic Chronic 2 (H411) Flam Liq. 2 (H225) (EUH066)	-	01-2119484651- 34-XXXX
Chlorinated polymer	-	UNKNOWN	1 - <3	-	-	-
Phenolic Resin	-	UNKNOWN	1 - <2.5	-	-	-
Phenolic resin Rosin	- 232-475-7	UNKNOWN 8050-09-7	<u>1 - <2.5</u> 0.1- <1	- Skin Sens. 1 (H317)	-	- 01-2119480418- 32-XXXX
Magnesium oxide (MgO)	215-171-9	1309-48-4	0.1- <1	-	-	[5]
Isopropyl alcohol	200-661-7	67-63-0	0.1- <1	Eye Irrit. 2 (H319) STOT SE 3 (H336) Flam. Liq. 2 (H225)	-	01-2119457558- 25-XXXX
Xylenes (o-, m-, p- isomers)	215-535-7	1330-20-7	0.1- <1	STOT SE 3 (H335) STOT RE 2 (H373) Asp. Tox. 1	-	01-2119488216- 32-XXXX

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				(H304)		
				Skin Irrit. 2		
				(H315)		
				Eye Irrit. 2		
				(H319)		
				Acute Tox. 4		
				(H312)		
				Acute Tox. 4		
				(H332)		
				Flam Liq. 3		
				(H226)		
				Aquatic Chronic 3		
				(H412)		
Methylols	-	UNKNOWN	0.1- <1	Skin Sens. 1	-	-
				(H317)		
-						
Benzenepropanoic acid,	229-722-6	6683-19-8	0.1- <1	-	-	01-2119491301-
3,5-bis(1,1-dimethylethyl						46-XXXX
)-4-hydroxy-,						
2,2-bis[[3-[3,5-bis(1,1-di						
methylethyl)-4-hydroxyp						
henyl]-1-oxopropoxy]met						
hyl]-1,3-propanediyl ester						
Water	231-791-2	7732-18-5	0.01 - <0.1	^	-	[4]
Toluene	203-625-9	108-88-3	0.01 - <0.1	Skin Irrit. 2	-	01-2119471310-
				(H315)		51-XXXX
				Repr. 2 (H361d)		
				STOT SE 3		
				(H336)		
				STOT RE 2		
				(H373)		
				Asp. Tox. 1		
				(H304)		
				Aquatic Chronic 3		
				(H412)		
				Flam. Liq. 2		
				(H225)		
Talc	238-877-9	14807-96-6	0.01 - < 0.05	[C]	-	[5]
Ethylbenzene	202-849-4	100-41-4	0.01 - < 0.05	STOT RE 2	-	01-2119489370-
-				(H373)		35-XXXX
				Asp. Tox. 1		
				(H304)		
				Acute Tox. 4		
				Acute Tox. 4 (H332)		
				Acute Tox. 4 (H332) Flam Liq. 2		
				Acute Tox. 4 (H332) Flam Liq. 2 (H225)		
				Acute Tox. 4 (H332) Flam Liq. 2 (H225) Aquatic Chronic 3		
				Acute Tox. 4 (H332) Flam Liq. 2 (H225) Aquatic Chronic 3 (H412)		
4-tert-Butylphenol	202-679-0	98-54-4	0.01 - < 0.05	Acute Tox. 4 (H332) Flam Liq. 2 (H225) Aquatic Chronic 3 (H412) Skin Irrit. 2		01-2119489419-
4-tert-Butylphenol	202-679-0	98-54-4		Acute Tox. 4 (H332) Flam Liq. 2 (H225) Aquatic Chronic 3 (H412) Skin Irrit. 2 (H315)	-	01-2119489419- 21-XXXX
4-tert-Butylphenol	202-679-0	98-54-4		Acute Tox. 4 (H332) Flam Liq. 2 (H225) Aquatic Chronic 3 (H412) Skin Irrit. 2		
4-tert-Butylphenol	202-679-0	98-54-4		Acute Tox. 4 (H332) Flam Liq. 2 (H225) Aquatic Chronic 3 (H412) Skin Irrit. 2 (H315) Eye Dam. 1	-	
4-tert-Butylphenol	202-679-0	98-54-4		Acute Tox. 4 (H332) Flam Liq. 2 (H225) Aquatic Chronic 3 (H412) Skin Irrit. 2 (H315) Eye Dam. 1 (H318)	-	
4-tert-Butylphenol	202-679-0	98-54-4		Acute Tox. 4 (H332) Flam Liq. 2 (H225) Aquatic Chronic 3 (H412) Skin Irrit. 2 (H315) Eye Dam. 1 (H318) Repr. 2 (H361f)		
4-tert-Butylphenol	202-679-0	98-54-4		Acute Tox. 4 (H332) Flam Liq. 2 (H225) Aquatic Chronic 3 (H412) Skin Irrit. 2 (H315) Eye Dam. 1 (H318) Repr. 2 (H361f) Aquatic Chronic	-	
4-tert-Butylphenol	202-679-0	98-54-4		Acute Tox. 4 (H332) Flam Liq. 2 (H225) Aquatic Chronic 3 (H412) Skin Irrit. 2 (H315) Eye Dam. 1 (H318) Repr. 2 (H361f) Aquatic Chronic 1 (H410)	-	
			0.01 - < 0.05	Acute Tox. 4 (H332) Flam Liq. 2 (H225) Aquatic Chronic 3 (H412) Skin Irrit. 2 (H315) Eye Dam. 1 (H318) Repr. 2 (H361f) Aquatic Chronic 1 (H410) [H]	-	21-XXXX
4-tert-Butylphenol Hexane	202-679-0 203-777-6	98-54-4 110-54-3	0.01 - < 0.05	Acute Tox. 4 (H332) Flam Liq. 2 (H225) Aquatic Chronic 3 (H412) Skin Irrit. 2 (H315) Eye Dam. 1 (H318) Repr. 2 (H361f) Aquatic Chronic 1 (H410) [H] Skin Irrit. 2	- STOT RE 2 :: C>=5%	21-XXXX 01-2119480412-
			0.01 - < 0.05	Acute Tox. 4 (H332) Flam Liq. 2 (H225) Aquatic Chronic 3 (H412) Skin Irrit. 2 (H315) Eye Dam. 1 (H318) Repr. 2 (H361f) Aquatic Chronic 1 (H410) [H] Skin Irrit. 2 (H315)	-	21-XXXX
			0.01 - < 0.05	Acute Tox. 4 (H332) Flam Liq. 2 (H225) Aquatic Chronic 3 (H412) Skin Irrit. 2 (H315) Eye Dam. 1 (H318) Repr. 2 (H361f) Aquatic Chronic 1 (H410) [H] Skin Irrit. 2 (H315) Repr. 2 (H361f)	-	21-XXXX 01-2119480412-
			0.01 - < 0.05	Acute Tox. 4 (H332) Flam Liq. 2 (H225) Aquatic Chronic 3 (H412) Skin Irrit. 2 (H315) Eye Dam. 1 (H318) Repr. 2 (H361f) Aquatic Chronic 1 (H410) [H] Skin Irrit. 2 (H315)	-	21-XXXX 01-2119480412-

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				STOT RE 2 (H373) Asp. Tox. 1 (H304) Aquatic Chronic 2 (H411) Flam. Liq. 2 (H225)		
Cyclohexane	203-806-2	110-82-7	0.0015 - < 0.0025	Skin Irrit. 2 (H315) STOT SE 3 (H336) Asp. Tox. 1 (H304) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410) Flam. Liq. 2 (H225)	-	01-2119463273- 41-XXXX
Formaldehyde	200-001-8	50-00-0	<0.0015	Acute Tox. 3 (H301) Acute Tox. 3 (H311) Acute Tox. 3 (H331) Skin Corr. 1B (H314) Skin Sens. 1 (H317) Muta. 2 (H341) Carc. 1B (H350)	Eye Irrit. 2 :: 5%<=C<25% Skin Corr. 1B :: C>=25% Skin Irrit. 2 :: 5%<=C<25% Skin Sens. 1 :: C>=0.2% STOT SE 3 :: C>=5%	01-2119488953- 20-XXXX

Full text of H- and EUH-phrases: see section 16

This product does not contain candidate substances of very high concern at a concentration >=0.1% (Regulation (EC) No. 1907/2006 (REACH), Article 59)

Chemical name	EC No	CAS No	SVHC candidates
Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane	926-605-8	RR-100223-9	
Methyl ethyl ketone	201-159-0	78-93-3	
Ethyl acetate	205-500-4	141-78-6	
Poly-2-chlorobutadiene-1,3		UNKNOWN	
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics	927-510-4		
Hydrocarbons, C6, isoalkanes, <5% n-hexane	931-254-9		
Chlorinated polymer		UNKNOWN	
Phenolic Resin		UNKNOWN	
Phenolic resin		UNKNOWN	
Rosin	232-475-7	8050-09-7	
Magnesium oxide (MgO)	215-171-9	1309-48-4	
Isopropyl alcohol	200-661-7	67-63-0	
Xylenes (o-, m-, p- isomers)	215-535-7	1330-20-7	
Methylols		UNKNOWN	
Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy	229-722-6	6683-19-8	

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			1
2,2-bis[[3-[3,5-bis(1,1-dimethylethyl)) -4-hydroxyphenyl]-1-oxopropoxy]me thyl]-1,3-propanediyl ester			
Water	231-791-2	7732-18-5	
Toluene	203-625-9	108-88-3	
Talc	238-877-9	14807-96-6	
Ethylbenzene	202-849-4	100-41-4	
4-tert-Butylphenol	202-679-0	98-54-4	Х
Hexane	203-777-6	110-54-3	
Cyclohexane	203-806-2	110-82-7	
Formaldehyde	200-001-8	50-00-0	

SECTION 4: First aid measures

4.1. Description of first aid measures

General advice	Show this safety data sheet to the doctor in attendance.			
Inhalation	IF exposed or concerned: Get medical advice/attention. Remove to fresh air.			
Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area. Get medical attention if irritation develops and persists.			
Skin contact	Nash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.			
Ingestion	Clean mouth with water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a doctor.			
Self-protection of the first aider	Remove all sources of ignition. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Use personal protective equipment as required. See section 8 for more information. Avoid contact with skin, eyes or clothing.			
4.2. Most important symptoms and	d effects, both acute and delayed			
Symptoms	May cause redness and tearing of the eyes. Burning sensation. Inhalation of high vapour concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting. Prolonged contact may cause redness and irritation.			
4.3. Indication of any immediate m	edical attention and special treatment needed			
Note to doctors	Treat symptomatically.			
SECTION 5: Firefighting me	asures			
5.1. Extinguishing media				
Suitable Extinguishing Media	Dry chemical. Carbon dioxide (CO2). Water spray. Alcohol resistant foam.			
Unsuitable extinguishing media	No information available.			
5.2. Special hazards arising from the substance or mixture				
Specific hazards arising from the chemical	Risk of ignition. Keep product and empty container away from heat and sources of ignition. In the event of fire, cool tanks with water spray. Fire residues and contaminated			

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	fire extinguishing water must be disposed of in accordance with local regulations.
Hazardous combustion products	Carbon dioxide (CO2).
5.3. Advice for firefighters	
Special protective equipment and precautions for fire-fighters	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.
SECTION 6: Accidental relea	ase measures
6.1. Personal precautions, protections	ve equipment and emergency procedures
Personal precautions	See section 8 for more information. Keep people away from and upwind of spill/leak. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Pay attention to flashback. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Do not touch or walk through spilled material. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.
Other information	Ventilate the area. Refer to protective measures listed in Sections 7 and 8.
For emergency responders	Use personal protection recommended in Section 8.
6.2. Environmental precautions	
Environmental precautions	Refer to protective measures listed in Sections 7 and 8. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.
6.3. Methods and material for conta	ainment and cleaning up
Methods for containment	Stop leak if you can do it without risk. Do not touch or walk through spilled material. A vapour suppressing foam may be used to reduce vapours. Dyke far ahead of spill to collect run-off water. Keep out of drains, sewers, ditches and waterways. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.
Methods for cleaning up	Take precautionary measures against static discharges. Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labelled containers.
Prevention of secondary hazards	Eliminate all ignition sources if safe to do so.
6.4. Reference to other sections	
Reference to other sections	See section 8 for more information. See section 13 for more information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling	Use personal protection equipment. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use grounding and bonding connection when transferring this material to prevent static discharge, fire or explosion. Use with local exhaust ventilation. Use spark-proof tools and explosion-proof equipment. Keep in an area equipped with sprinklers. Use according to package label instructions. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Handle in accordance with good industrial hygiene and safety practice. Avoid breathing vapours or mists. In case of insufficient ventilation, wear suitable respiratory equipment.
General hygiene considerations	Contaminated work clothing must not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product. Avoid contact with skin, eyes or clothing. Wear

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suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities

Storage ConditionsKeep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric
motors and static electricity). Keep in properly labelled containers. Do not store near
combustible materials. Keep in an area equipped with sprinklers. Store in accordance
with the particular national regulations. Store in accordance with local regulations. Keep
containers tightly closed in a dry, cool and well-ventilated place.

7.3. Specific end use(s)

Specific use(s) Adhesive.

Risk Management Methods (RMM) The information required is contained in this Safety Data Sheet.

Other information Observe technical data sheet.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure Limits

Chemical name	European Union	United Kingdom
Hydrocarbons, C6-C7, isoalkanes, cyclics, <5%	-	VME= 400 mg/m ³ (supplier)
n-hexane		
RR-100223-9		
Methyl ethyl ketone	TWA: 200 ppm	TWA: 200 ppm
78-93-3	TWA: 600 mg/m ³	TWA: 600 mg/m ³
	STEL: 300 ppm	STEL: 300 ppm
	STEL: 900 mg/m ³	STEL: 899 mg/m ³
		Sk*
Ethyl acetate	TWA: 734 mg/m ³	TWA: 734 mg/m ³
141-78-6	TWA: 200 ppm	TWA: 200 ppm
	STEL: 1468 mg/m ³	STEL: 1468 mg/m ³
	STEL: 400 ppm	STEL: 400 ppm
Rosin	-	TWA: 0.05 mg/m ³
8050-09-7		STEL: 0.15 mg/m ³
		Sen+
Magnesium oxide (MgO)	-	TWA: 10 mg/m ³
1309-48-4		TWA: 4 mg/m ³
		STEL: 30 mg/m ³
		STEL: 12 mg/m ³
Isopropyl alcohol	-	TWA: 400 ppm
67-63-0		TWA: 999 mg/m ³
		STEL: 500 ppm
		STEL: 1250 mg/m ³
Xylenes (o-, m-, p- isomers)	TWA: 50 ppm	TWA: 50 ppm
1330-20-7	TWA: 221 mg/m ³	TWA: 220 mg/m ³
	STEL: 100 ppm	STEL: 100 ppm
	STEL: 442 mg/m ³	STEL: 441 mg/m ³
	*	Sk*

Chemical name	European Union	Ireland	United Kingdom
Methyl ethyl ketone	-	70 µmol/L (urine - Butan-2-one post	70 µmol/L urine
78-93-3		shift)	
Isopropyl alcohol	-	40 mg/L (urine - Acetone end of	-
67-63-0		shift at end of workweek)	
Xylenes (o-, m-, p- isomers)	-	1.5 g/g Creatinine (urine -	650 mmol/mol creatinine urine
1330-20-7		Methylhippuric acids end of shift)	

Derived No Effect Level (DNEL) No information available

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Derived No Effect Level (DNEL)					
Hydrocarbons, C6-C7, isoalk	anes, cyclics, <5% n-hexar	ne (RR-100223-9)			
Туре	Exposure route	Derived No Effect Level (DNEL)	Safety factor		
worker Long term Systemic health effects	Dermal	13 964 mg/kg bw/d			
worker Long term Systemic health effects	Inhalation	5 306 mg/m³			

Methyl ethyl ketone (78-93-3)				
Туре	Exposure route	Derived No Effect Level (DNEL)	Safety factor	
worker Long term Systemic health effects	Dermal	1161 mg/kg bw/d		
worker Long term Systemic health effects	Inhalation	600 mg/m³		

Ethyl acetate (141-78-6)				
Туре	Exposure route	Derived No Effect Level (DNEL)	Safety factor	
worker Long term Systemic health effects	Dermal	63 mg/kg bw/d		
worker Short term Systemic health effects	Inhalation	1468 mg/m³		
worker Long term Local health effects	Inhalation	734 mg/m³		
worker Short term Local health effects	Inhalation	1468 mg/m³		
worker Long term Systemic health effects	Inhalation	734 mg/m³		

Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics ()			
Туре	Exposure route	Derived No Effect Level (DNEL)	Safety factor
worker Long term Systemic health effects	Inhalation	2085 mg/m³	
worker Long term Systemic health effects	Dermal	300 mg/kg bw/d	

Rosin (8050-09-7)			
Туре	Exposure route	Derived No Effect Level	Safety factor
		(DNEL)	
worker	Inhalation	10 mg/m ³	
Long term			
Local health effects			
worker	Dermal	2131 mg/kg bw/d	
Long term			

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Systemic health effects

Isopropyl alcohol (67-63-0)				
Туре	Exposure route	Derived No Effect Level (DNEL)	Safety factor	
worker Long term Systemic health effects	Inhalation	500 mg/m³		
worker Long term Systemic health effects	Dermal	888 mg/kg bw/d		

Xylenes (o-, m-, p- isomers) (1330-20-7)				
Туре		Derived No Effect Level (DNEL)	Safety factor	
Long term Systemic health effects worker	Dermal	180 mg/kg bw/d		
Long term Systemic health effects worker	Inhalation	77 mg/m³		
Short term Local health effects Systemic health effects worker	Inhalation	289 mg/m³		

Toluene (108-88-3)	Toluene (108-88-3)				
Туре	Exposure route	Derived No Effect Level (DNEL)	Safety factor		
Long term Systemic health effects worker	Dermal	384 mg/kg bw/d			
Long term Systemic health effects Local health effects worker	Inhalation	192 mg/m³			
Short term Systemic health effects worker	Inhalation	384 mg/m³			
worker Long term Local health effects	Inhalation	192 mg/m³			
worker Short term Local health effects	Inhalation	384 mg/m³			

4-tert-Butylphenol (98	-54-4)		
Туре	Exposure route	Derived No Effect Level (DNEL)	Safety factor
worker	Dermal	0.071 mg/kg bw/d	
Long term	Dermai	0.07 1 mg/kg bw/d	
worker	Inhalation	0.5 mg/m ³	
Long term			

Derived No Effect Level (DNEL)				
Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane (RR-100223-9)				
Туре	Exposure route	Derived No Effect Level (DNEL)	Safety factor	
Consumer	Dermal	1 377 mg/kg bw/d		

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Long term Systemic health effects			
Consumer Long term Systemic health effects	Inhalation	1 131 mg/m³	
Consumer Long term Systemic health effects	Oral	1 301 mg/kg bw/d	

Methyl ethyl ketone (78-93-3)				
Туре	Exposure route	Derived No Effect Level (DNEL)	Safety factor	
Consumer Long term Systemic health effects	Dermal	412 mg/kg bw/d		
Consumer Long term Systemic health effects	Inhalation	106 mg/m³		
Consumer Local health effects Systemic health effects	Oral	31 mg/kg bw/d		

Ethyl acetate (141-78-6)			
Туре	Exposure route	Derived No Effect Level (DNEL)	Safety factor
Consumer	Oral	4.5 mg/kg bw/d	
Long term			
Systemic health effects			
Consumer	Dermal	37 mg/kg bw/d	
Long term			
Systemic health effects			
Consumer	Inhalation	734 mg/m ³	
Short term			
Systemic health effects			
Consumer	Inhalation	367 mg/m³	
Long term			
Local health effects			
Consumer	Inhalation	734 mg/m³	
Short term			
Local health effects			
Consumer	Inhalation	367 mg/m³	
Long term			
Systemic health effects			

Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics (
Туре	Exposure route	Derived No Effect Level (DNEL)	Safety factor
Consumer Long term Systemic health effects	Inhalation	447 mg/m ³	
Consumer Long term Systemic health effects	Dermal	149 mg/kg bw/d	
Consumer Long term Systemic health effects	Oral	149 mg/kg bw/d	

Rosin (8050-09-7)			
Туре	Exposure route	Derived No Effect Level	Safety factor

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		(DNEL)	
Consumer	Dermal	1065 mg/kg bw/d	
Long term		-	
Systemic health effects			
Consumer	Oral	1065 mg/kg bw/d	
Long term			
Systemic health effects			
	I		I
l_{α}			
Isopropyl alcohol (67-63-0)	E.m. e. e	Danius d Nie Effect Laurel	O - f - t - f t
Туре	Exposure route	Derived No Effect Level (DNEL)	Safety factor
Consumer	Inhalation	89 mg/m³	
Long term			
Systemic health effects			
Consumer	Dermal	319 mg/kg bw/d	
Long term			
Systemic health effects			
Consumer	Oral	26 mg/kg bw/d	
Long term			
Systemic health effects			
Water (7732-18-5)			
Туре	Exposure route	Derived No Effect Level	Safety factor
		(DNEL)	
Long term	Inhalation	5.68 mg/m ³	
Systemic health effects		J	
Long term	Dermal	1.63 mg/kg bw/d	
Systemic health effects	Dermai		
	Oral	1.62 mg/kg hu/d	
Long term	Utai	1.63 mg/kg bw/d	
Systemic health effects			
Toluene (108-88-3)			
Туре	Exposure route	Derived No Effect Level (DNEL)	Safety factor
Consumer	Inhalation	56.5 mg/m ³	
Long term			
Systemic health effects			
Consumer	Inhalation	 226 mg/m³	
Short term			
Systemic health effects			
Consumer	Inhalation	56 mg/m³	
Long term			
Local health effects			
Consumer	Inhalation	226 mg/m ³	
Local health effects			
Short term			
Consumer	Dermal	226 mg/kg bw/d	
	Deimai		
Long term			
Systemic health effects			
Consumer	Oral	8.13 mg/kg bw/d	
Long term			
Systemic health effects			

Predicted No Effect Concentration No information available. (PNEC)

Predicted No Effect Concentration (PNEC)	
Methyl ethyl ketone (78-93-3)	
Environmental compartment	Predicted No Effect Concentration (PNEC)

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Hand protection	Wear protective gloves. Gloves must conform to standard EN 374. The breakthroug time of the gloves depends on the material and the thickness as well as the temper		
	standard EN 166.		
Eye/face protection	Tight sealing safety goggles. Face protection shield. Eye protection must conform to		
Personal protective equipment			
J J	exhausted directly at the point of origin.		
Engineering controls	Ensure adequate ventilation, especially in confined areas. Vapours/aerosols must be		
8.2. Exposure controls			
Marine water	0.001 mg/l		
Freshwater	0.01 mg/l		
Environmental compartment	Predicted No Effect Concentration (PNEC)		
4-tert-Butylphenol (98-54-4)			
Soil	2.89 mg/kg dry weight		
Marine sediment	16.39 mg/kg dry weight		
Freshwater sediment	16.39 mg/kg dry weight		
Sewage treatment plant	13.61 mg/l		
Marine water	0.68 mg/l		
Freshwater	0.68 mg/l		
Environmental compartment	Predicted No Effect Concentration (PNEC)		
Toluene (108-88-3)	Dradiated No Effect Occupation (DNEO)		
Soil	28 mg/kg dry weight		
Marine sediment	552 mg/kg dry weight		
Freshwater sediment	552 mg/kg dry weight		
Sewage treatment plant	2251 mg/l		
Marine water	140.9 mg/l		
Freshwater	140.9 mg/l		
Environmental compartment	Predicted No Effect Concentration (PNEC)		
Isopropyl alcohol (67-63-0)			
Marine sediment	0.001 mg/l		
Freshwater sediment	0.007 mg/l		
Sewage treatment plant	1000 mg/l		
Marine water	0 mg/l		
Freshwater	0.002 mg/l		
Environmental compartment	Predicted No Effect Concentration (PNEC)		
Rosin (8050-09-7)			
Microorganisms in sewage treatment	650 mg/l		
Soil	0.24 mg/kg		
Marine sediment	0.125 mg/kg		
Freshwater sediment	1.25 mg/kg		
Marine water	0.026 mg/l		
Freshwater	0.26 mg/l		
Environmental compartment	Predicted No Effect Concentration (PNEC)		
Ethyl acetate (141-78-6)			
Soil	22.5 mg/l		
Marine sediment	287.7 mg/l		
Freshwater sediment	287.74 mg/l		
	55.8 mg/l		
Marine water	55.8 mg/l		

Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves. Skin and body protection

Antistatic footwear. Wear fire/flame resistant/retardant clothing. Suitable protective clothing.

In case of inadequate ventilation wear respiratory protection. In case of mist, spray or **Respiratory protection** aerosol exposure wear suitable personal respiratory protection and protective suit. Recommended filter type: Organic gases and vapours filter conforming to EN 14387.

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Environmental exposure controls Do not allow into any sewer, on the ground or into any body of water.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties **Physical state** Liquid Appearance Liauid Colour No information available Characteristic, Solvent. Odour **Odour threshold** No information available Property Values Remarks • Method No data available Melting point / freezing point Initial boiling point and boiling 55.8 °C range Flammability Not applicable for liquids . Flammability Limit in Air None known Upper flammability or explosive No data available limits Lower flammability or explosive No data available limits Flash point -20 °C None known Autoignition temperature No data available **Decomposition temperature** None known pН No data available Not applicable. Insoluble in water. pH (as aqueous solution) No data available None known Kinematic viscosity 4200 mm²/s @ 40°C **Dvnamic viscositv** 3500 - mPas @ 23 °C Water solubility Insoluble in water. None known Solubility(ies) No data available None known Partition coefficient No data available None known Vapour pressure 1100 hPa **Relative density** 0.9 Bulk Density No data available No data available g/cm³ **Liquid Density** No data available **Relative vapour density** None known **Particle characteristics Particle Size** No information available **Particle Size Distribution** No information available 9.2. Other information Solid content (%) approx 26 Directive 2004/42/EC on the limitation of emissions of VOC content >= 640 g/L volatile organic compounds

9.2.1. Information with regards to physical hazard classes Not applicable

9.2.2. Other safety characteristics No information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity

No information available.

10.2. Chemical stability

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Stability	Stable under normal conditions.
Explosion data	
Sensitivity to mechanical	None.
impact Sensitivity to static discharge	Yes.
10.3. Possibility of hazardous react	tions
Possibility of hazardous reactions	None under normal processing.
10.4. Conditions to avoid	
Conditions to avoid	Heat, flames and sparks.
10.5. Incompatible materials	
Incompatible materials	None known based on information supplied.
10.6. Hazardous decomposition pro	oducts_
Hazardous decomposition products	None under normal use conditions. Stable under recommended storage conditions.
SECTION 11: Toxicological i	nformation

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Information on likely routes of exposure

Product Information

Inhalation	Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract. May cause drowsiness or dizziness.
Eye contact	Specific test data for the substance or mixture is not available. Causes serious eye irritation. (based on components). May cause redness, itching, and pain.
Skin contact	May cause irritation. Prolonged contact may cause redness and irritation. Specific test data for the substance or mixture is not available. Causes mild skin irritation.
Ingestion	Specific test data for the substance or mixture is not available. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.
Symptoms related to the physical	, chemical and toxicological characteristics
Symptoms	May cause redness and tearing of the eyes. Inhalation of high vapour concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.

Prolonged contact may cause redness and irritation.

Acute toxicity

Based on available data, the classification criteria are not met

Numerical measures of toxicity

The following values are calculated based on chapter 3.1 of the GHS document

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Hydrocarbons, C6-C7,	LD50 >16.5 g/Kg (Rattus)	LD50 >3.35 g/Kg (Oryctolagus	LC50 (4h) =73680 ppm
isoalkanes, cyclics, <5%	(OECD Guideline 201)	cuniculus) (OECD 402)	(Vapour - Rat)

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n-hexane			
Methyl ethyl ketone	=2483 mg/kg (Rattus)	= 5000 mg/kg (Oryctolagus cuniculus)	=11700 ppm (Rattus) 4 h
Ethyl acetate	=5620 mg/kg (Rattus)	 > 18000 mg/kg (Oryctolagus cuniculus) > 20 mL/kg (Oryctolagus cuniculus) 	LC0 29.3 mg/l air
Poly-2-chlorobutadiene-1,3	LD50 >5000 mg/kg (Rattus)	-	-
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics	LD50 >5840 mg/kg Rat	LD50 >2920 mg/kg (Rattus)	LC50 >23.3 mg/L (4h)(Rat, vapour) (OECD 403)
Hydrocarbons, C6, isoalkanes, <5% n-hexane	>16750 mg/Kg (Rattus)	>3350 mg/Kg (Oryctolagus cuniculus) OECD 402	259354 mg/m ³ (vapour) (rat OECD 403)
Rosin	>2000 mg/Kg (Rattus)	> 2500 mg/kg (Oryctolagus cuniculus)	=1.5 mg/L (Rattus) 4 h
Magnesium oxide (MgO)	3800 mg/kg (Rattus)	-	
Isopropyl alcohol	>5000 mg/Kg	= 4059 mg/kg (Oryctolagus cuniculus)	=72600 mg/m ³ (Rattus) 4 h
Xylenes (o-, m-, p- isomers)	=3500 mg/kg (Rattus)	 > 1700 mg/kg (Oryctolagus cuniculus) > 4350 mg/kg (Oryctolagus cuniculus) 	= 11 mg/L (ATE)
Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hy droxy-, 2,2-bis[[3-[3,5-bis(1,1-dimethyl ethyl)-4-hydroxyphenyl]-1-oxop ropoxy]methyl]-1,3-propanediyl ester	>5000 mg/Kg (Rattus) OECD 401	>3160 mg/Kg (Oryctolagus cuniculus)	>46 mg/L (Rattus) 1 h
Water	> 90 mL/kg (Rat)	-	-
Toluene	=5580 mg/kg (Rattus)	= 12000 mg/kg (Oryctolagus cuniculus)	>20 mg/L (Rattus) 4 h
Ethylbenzene	=3500 mg/kg (Rattus)	= 15400 mg/kg (Oryctolagus cuniculus)	=17.6 mg/L (Rattus) 4 h
4-tert-Butylphenol	=4000 mg/kg (Rattus)	LD50 >5000 mg/kg (Oryctolagus cuniculus) OECD 402	-
Hexane	=25 g/kg (Rattus)	= 3000 mg/kg (Oryctolagus cuniculus)	=48000 ppm (Rattus) 4 h
Cyclohexane	=12705 mg/kg (Rattus)	> 2000 mg/kg (Oryctolagus cuniculus)	>9500 ppm (Rattus) 4 h
Formaldehyde	=100 mg/kg (Rattus)	= 270 mg/kg (Oryctolagus cuniculus)	< 463 ppm (Rat)4 h

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation

Based on available data, the classification criteria are not met.

Toluene (108-88-3)

Method	Species	Exposure route	Effective dose	Exposure time	Results
Regulation (EC) No.	Rabbit	Dermal			Irritant
440/2008, Annex, B.4					

Hexane (110-54-3)

Method	Species	Exposure route	Effective dose	Exposure time	Results
OECD Test No. 404:	Rabbit	Dermal		24 hours	irritant
Acute Dermal Irritation/Corrosion					
Initiation/Conosion					

Serious eye damage/eye irritation Classification based on data available for ingredients. Causes serious eye irritation.

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Method	Species	E	Exposure route	Effective dose	Exposure time	Results	
OECD Test No. 405:	Rabbit		eye		•	irritant	
Acute Eye							
Irritation/Corrosion							
sopropyl alcohol (67-63	-0)						
Method	Species	E	Exposure route	Effective dose	Exposure time	Results	
OECD Test No. 405:	Rabbit		eye			Irritant	
Acute Eye							
Irritation/Corrosion							
Respiratory or skin ser	nsitisation	Based on	available data, th	e classification crite	ria are not met.		
Methyl ethyl ketone (78-	93-3)	Species			Beaulte		
Method OECD Test No. 406: Skin		Species Guinea pig	N	Exposure route Dermal	Results	sitisation response	
Sensitisation	111	Guinea pig	J	Dermai	were ob		
Ethyl acetate (141-78-6) Method		Species		Exposure route	Results	<u></u>	
OFCD Test No. 406: Skin		Guinea pig	r	Dermal		No sensitisation response	
Sensitisation		Currea pig		Dermai		were observed	
					1		
sopropyl alcohol (67-63 Method	-0)	Species		Exposure route	Results	<u></u>	
OECD Test No. 406: Sk	in	Guinea pig		Exposure route		 sitisation response 	
Sensitisation		Cumca pig	9		were ob		
Vulance (c. m. m. isom	ara) (4000 s	20.7)					
Xylenes (o-, m-, p- isom Method	ers) (1330-	Species		Exposure route	Results		
OECD Test No. 429: Sk	in	Mouse		Dermal		sitisation response	
Sensitisation: Local Lym	ph Node	modee				were observed	
Assay							
Toluene (108-88-3)							
Method		Species		Exposure route	Results		
Regulation (EC) No. 440		Guinea pig	9			No sensitisation response	
Annex, B.6 (Maximisatio	on test)				were ob	served	
Germ cell mutagenicity	/	Based on	available data, th	e classification crite	ria are not met.		
Component Information							
sopropyl alcohol (67-63	-0)						
Method	0)		Species		Results		
OECD Test No. 476: In	vitro Mamm	nalian Cell	Hamster, in vitro		Not mutagenic		
Gene Mutation Test			,				
Methylols (UNKNOWN) Foluene (108-88-3)							
Method			Species		Results		
Regulation (EC) No. 440 (Ames test))/2008, Anr	nex, B.13/14	Salmonella typhi	murium	Not mutagenic		
OECD Test No. 476: In v	vitro Mamm	nalian Cell	Mouse		Not mutagenic		
Gene Mutation Test							

The table below indicates ingredients above the cut-off threshold considered as relevant which are listed as mutagenic.

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	—
Chemical name	European Union
Formaldehyde	Muta. 2

Carcinogenicity

Based on available data, the classification criteria are not met.

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical name	European Union
Formaldehyde	Carc. 1B

Reproductive toxicity

Based on available data, the classification criteria are not met.

Chemical name	European Union
Toluene	Repr. 2
4-tert-Butylphenol	Repr. 2
Hexane	Repr. 2

Toluene (108-88-3)		
Method	Species	Results
OECD 407	in vivo	reproductive toxicant

STOT - single exposure

May cause drowsiness or dizziness.

STOT - repeated exposure

Based on available data, the classification criteria are not met.

Toluene (108-88-3)

Method	Species	Exposure route	Effective dose	Exposure time	Results
Regulation (EC) No.	Rat, male, female	Oral		91 days	NOAEL: 625 mg/kg
440/2008, Annex, B.26					
OECD Test No. 453:	Rat, male, female	Inhalation, vapour			NOAEL: 1.131 mg/l
Combined Chronic					-
Toxicity/Carcinogenicity					
Studies					

Aspiration hazard

Based on available data, the classification criteria are not met.

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

Endocrine disrupting properties No information available.

11.2.2. Other information

Other adverse effects

No information available.

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity

Toxic to aquatic life with long lasting effects.

Chemical name	Algae/aquatic	Fish	Toxicity to	Crustacea	M-Factor	M-Factor
	plants		microorganisms			(long-term)
Hydrocarbons, C6-C7,	EL50 (72h) = 55	LL50	-	EL50 (48h) = 3		

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isoalkanes, cyclics, c5% n-bxsitcherer RR-10223-9 iela subcapitala ielo 2020 203 CES0 = 3403 CES0 = 550mgL CES0 = 550mgL CES0 = 560mgL CES0 = 7400 mg(L 2 h CES0 = 560mgL CES0 = 7400 mg(L 2 h) CES0 = 7400 mg(L 2 h) CES0 = 560mgL CES0 = 7400 mg(L 2 h) CES0 = 560mgL CES0 = 7400 mg(L 2 h) CES0 = 7400 mg(L 2 h) CES0 = 7400 CES0 = 7400 CES						
RR-100223-9 iella subcapitata) mytkiss)Sem-ista tio CCD 203 EC50 48 h > 308 mgna) Methyl ethyl ketore 78-93-3 EC50-1972 mg1 (PSeudokricher) EC50 = 3423 EC50 48 h > 308 mgna) Telhyl acetate 141-78-6 EC50: -500 mg1/(48h, Desmodesmus subspicatus) EC50 = 4140 (96h, 0rcothynchus (96h, 1352 - 500mg1/ (96h, mg/L 2) EC50 = 5150 (96h, mg/L 2) EC50 = 5507 (96h, mg/L 2) EC50 = 5507 (96h, mg/L 2) Poly-2-chlorobutadiene -1,3 UNKNOWN - LC50 (96h) mytkiss) EC50 = 7400 mytkiss) mg/L 2 h (250 = 7400 mytkiss) Poly-2-chlorobutadiene -1,3 UNKNOWN - LC50 (96h) - mg/L 2) - EL50 (48h) = C50 = 7400 mytkiss) Poly-2-chlorobutadiene -1,3 UNKNOWN - EL50 (96h) - mg/L 2) - EL50 (48h) = C50 = 7400 mytkiss) Poly-2-chlorobutadiene -1,3 UNKNOWN - EL50 (96h) - mg/L 2) - EL50 (48h) = C50 = 400mg/L (Daphnia magna) Poly-2-chlorobutadiene -1,3 UNKNOWN - EL50 (96h) - S0 mg/L (Daphnia magna) - EL50 (48h) = C50 (48h)						
icic OECD 203 icic OEC					magna)	
Methyl ethyl ketore 78-93-3 ECS0-1972 mg1 LCS0: 3130 - Promelas ECS0 = 3428 (Data 2000) ECS0 = 3438 (Data 2000) ECS0 = 5600 (Data 2000) ECS0 = 57400 (Data 2000) Mage 2000 (Data 2000) Mage 2000 (Data 2000) Mage 2000) ECS0 (AB h) = 3000 (Data 2000) Mage 2000) Mage 2000 (Data 2000) Mage 2000) Mage 2000 (Data 2000) ECS0 (Data 2000) ECS0 (Data 2000) Mage 2000 (Data 200	RR-100223-9	iella subcapitata)				
78-93-3 (Pseudokirchner) 3320mg/L (96h, imperhates promelas) mg/L (20 min magna) mg/L (20 min magna) Ethyl acetate ECS0: 4250: = 434mg/L ECS0: = 434mg/L ECS0: = 450mg/L 141-78-6 =3300mg/L (48h, contrynchus subspicatus) 050: = 450mg/L (48h, Daphnia magna) 141-78-6 =250: = 450mg/L (96h, onchrynchus subspicatus) mg/L (58 min m						
iella subcapitata) Pimephales promelas) ECS0 = 3426 pmgL 5 min magna) Ethyl acetate ECS0: LCS0::-404mpL (96h, 0ncorbynchus ECS0 = 1180 ECS0 = 560mpL (96h, 0ncorbynchus ECS0 = 1180 ECS0 = 560mpL (96h, 0ncorbynchus ECS0 = 5100 mgL 15 min ECS0 = 5870 mgL 15 min ECS0 = 5870 mgL 15 min ECS0 = 7400 Poly-2-chlorobuttadiene 1.3 UKNOWN - ECS0 (96h) > 100 mgL (2 his 220 - 250mgL (96h, Pimephales promelas) - - - Poly-2-chlorobuttadiene 1.3 UKNOWN - ECS0 (96h) > 100 mgL (2 his 220 - 250mgL (96h) - - - Poly-2-chlorobuttadiene 1.3 UKNOWN - ECS0 (96h) > 100 mgL (2 his 220 - 250mgL (96h) - ELS0 (48h) = 1.3 UKNOWN - ELS0 (96h) = - ELS0 (48h) = 1.3 UKNOWN - ELS0 (96h) = - ELS0 (48h) = 1.3 UKNOWN ELS0 (72h) = LLS0 (96h) = - ELS0 (48h) = 1.3 UKNOWN ELS0 (72h) = LLS0 (96h) = - ELS0 (48h) = 1.3 UKNOWN ECS0 - 400mgL UKNOWN - ECS0 - 400mgL URNOWN - 1.3 UKNOWN ECS0 - 400mgL UKNOWN ECS0 - 400mgL URNO						
Ethyl acetate promelas / promelas / mg/L 5 min mg/L 5 min Ethyl acetate =3300mg/L (48h, Dophnia magna) mg/L 5 min (250 = 4500 mg/L (48h, Dophnia magna) 141-78-6 Desmodesmus subspicatus) subspicatus) (96h, Oncortynchus subspicatus) (250 = 5870 mg/L (550 = 5870 mg/L (250 = 5870 mg/L 5 min mg/L 15 min mg/L 5 min mg/L 15	78-93-3					
Effyl acetate 141-78-6 ECS0: =250:=434mpL subspicatus) LCS0:=4180 (96h, 0ncorhynchus (96h, 00corhynchus (96h, 00corhynchus (96h, 00corhynchus (96h, 00corhynchus (96h, 00corhynchus (96h, 00corhynchus (96h, 00corhynchus (96h, 00corhynchus (97h) ELS0 (48h) =		iella subcapitata)			magna)	
141-78-6 -3300mg/L (48h), Desmodesmus subspicatus) (96h, Subspicatus) mg/L 5 min EC50 = 1500 (96h, Pimephalas prometas) (15 min EC50 = 7400 mg/L 15 min EC50 = 7400 mg/L 2 h Poly-2-chlorobutadiene -1.3 - - - -1.3 UDKNOVN - - Hydrocarbons, C7, -solatanes, isoalkanes, soalkanes, essa EL50 (72h) = 103.0 mg/L LE50 (96h), - - - Poly-2-chlorobutadiene -1.3 - - - - Hydrocarbons, C7, -solatanes, isoalkanes, Soalkanes, soalkanes, essa EL50 (72h) = 10.30 mg/L LE50 (96h), - - EL50 (48h) = 3.13.4 mg/L - Resin soalkanes, essa EC50 - 7400 mg/L - - - EL50 (48h) = 3.13.4 mg/L - Nagnesium oxide (MgO) EC50 - 7400 mg/L - - EL50 (48h) = 3.13.4 mg/L - Resin soalkanes, essa EC50 - 7400 mg/L - - EL50 (48h) = 3.13.4 mg/L - Nagnesium oxide (MgO) - - - EC50 48 h - - 130 mg/L (Daphnia magna) - - - - - - - 130 mg/L (MgO) - - -		5050			E050, 500, s/l	
Desmodesmus subspicatus) Oncontynchus (96h, Oncontynchus (96h, Oncontynchus mykiss) LC50: 220 - 250mgL (96h, Pimephales EC50 = 1500 mg/L 15 min EC50 = 5870 mg/L 15 min EC50 = 7400 mg/L 15 min EC50 = 100 magna) Poly-2-chlorobutadiene - 1.3 - LC50 (96h) > 100 - mg/L (Danio rerio) - - Hydrocarbons, C7, -relatanes, 50% n-aktanes, isoakkanes, EL50 (72h) = 13.6 mg/L (Daphnia magna) LL50 (96h) - 13.6 mg/L (Daphnia magna) - EL50 (48h) = 3.0 mg/L (Daphnia magna) Rosin EC50 :=400mg/L (Pseudokirchner (Cr2h, - LC50 (96h) = 13.6 mg/L (Pseudokirchner - EC50 = 31.5 mg/L 30 min rerio) EC50 = 31.5 mg/L 30 min (Daphnia magna) Rosin - EC50 :=400mg/L (Pseudokirchner - LC50 (96 h > 13.6 mg/L (Daphnia magna) - EC50 48 h > 100 mg/L (Daphnia magna) Magnesium oxide (MgO) - - LC50 96 h > 10 mg/L 30 min rerio) - EC50 - 21.5 mg/L 30 min rerio) EC50 = 21.5 mg/L 30 min rerio) EC50 24 h = 3.4 mg/L (Daphnia magna) Xylenes (or, m, p- isomers) 1309-46-7 - - LC50 96 h > 100 mg/L (Coporhi rerio) - EC50 24 h = 3.4 mg/L (Daphnia magna) Xylenes (or, m, p- isomers) 130-20-7 - - EC50 96 h >						
subspicatus) subspicatus) mykiss LC50: (96h, Pimephales prometas) mykiss LC50: (25 = 7400 mykiss) LC50: (20 - 250mgL (96h, Pimephales prometas) mg/L 15 min EC50 = 7400 mg/L 2 h Poly-2-chlorobutadiene -1.3 - - - - Hydrocarboot - - - - Hydrocarbook - - - - Hydrocarbook, C7, evices FL50 (72h) = LL50 (96h) (1-30 mg/L (Paeudokirchner) - - - Hydrocarbook, C6, evices FL50 (72h) = LL50 (96h) (1-30 mg/L (Paeudokirchner) - EL50 (48h) = - 18.27 mg/L n-hexan 18.27 mg/L n-bexandexirtus) - EL50 (48h)= - - 13.0 mg/L n-hexan EC50 = -400 mg/L subspicatus) LC50 (96h) - EL50 (48h)= - 8050-09-7 EC50 =-400 mg/L subspicatus) LC50 (96h > - EC50 = 431.5 mg/L 30 min rerio) - - Magnesium oxide (MgO) - - - - 48H 190mg/L Daphnia magna) Xylenes (o., m., p- issomers) - LC50 96 h > 10 mg/L (Daphnia magna) - EC	141-78-0					
352 - 500mg/L (96h, Oncorhynchus mg/L 15 min EC50 = 5870 mg/L 15 min EC50 = 7400 mg/L 2 h EC50 = 5870 mg/L 15 min EC50 = 7400 mg/L 2 h Poly-2-chiorobutadiene - 1.3 - LC50 (96h) > 100 - mg/L (Danio promelas) promelas) - Poly-2-chiorobutadiene - 1.3 - LC50 (96h) > 100 - mg/L (Danio promelas) - Hydrocarbons, C7, -relakanes, isolakanes, - wiella subcapitata) - wiella subcapitata) EL50 (72h) = - LL50 (96h) - - Hydrocarbons, C6, - solakanes, <5% - wiella subcapitata) - wiella subcapitata) LL50 (96h) = - - - N-mexane - wiella subcapitata) - wiella subcapitata) Thomg/L (Daphnia mg/L 30-mg/L - - EL50 (48h) = - - Rosin - Magnesium oxide (MqO) - 1309-48-4 EC50 = 400mg/L (C250 + 10.20 - LC50 (96h) > - - EC50 = 41.5 - EC50 48 h - Isopropyl alcohol 67-63-0 EC50 72 h > - LC50 96 h > 10 - - - 48H 190mg/L (Daphnia mg/a) Xylenes (or, m, p- isomers) 1330-20-7 - - LC50 96 h > 100 - - - EC50 24 h = 3.4 - - Sobspicatus) - - LC50 96 h > 100 - - EC50 24 h = 3.4 - - Sobspicatus) <					magna)	
Poly-2-chlorobutadiene -1,3 UNKNOWN CLS0 (96h) -220 - 250mg/L (96h) -13 mg/L 15 min ECS0 = 7400 mg/L 2 h Poly-2-chlorobutadiene -1,3 UNKNOWN - LCS0 (96h) >100 - - Hydrocarbons, C7, -n-akanes, isoalkanes, -r- iella subcapitata) ELS0 (72h) = 10-30 mg/L - 10-30 mg/L - 13.6 mg/L - 13.9 mg/L - 1400000 rg/L (1400000 rg/L (14000000 rg/L (1400000 rg/L (1400000 rg/L (1400000 rg/L (140		subspicatus)				
Poly-2-chlorobutadiene -1,3 - CCS0 (96h), promelas) promelas) ECS0 = 7400 mg/L 2 h Poly-2-chlorobutadiene -1,3 - CCS0 (96h) > 100 mg/L (Danio rerio) - - Hydrocarbons, C7, -n-alkanes, isoalkanes, oyclics EL50 (72h) = isoalkanes, c5% rerio) LL50 (96h) -13.4 mg/L OECD 203 - - Hydrocarbons, C6, -n-ekanes, isoalkanes, oyclics EL50 (72h) = isoalkanes, c5% rerio) LL50 (96h) = 18.27 mg/L - EL50 (48h) = rerio) Rosin Group EC50 := 400mg/L (Desmodesmus subspicatus) LC50 (96h) rerio) - EC50 = 81.5 mg/L 30 min rerio) EC50 = 81.5 mg/L 30 min rerio) EC50 48 h >1000 mg/L (Daphnia magna) Magnesium oxide (MqO) 1309-48-4 EC50 72 h > 1000 mg/L (Desmodesmus subspicatus) LC50 96 h > rerio) - - Wagnesium oxide (MqO) 1309-48-4 EC50 72 h > 1000 mg/L (Desmodesmus subspicatus) LC50 96 h > rerio) - - Xylenes (o-, m., p- isomers) 1330-20-7 EC50 72 h > rerio wrkiss) (OECD 203 - EC50 = 0.0084 mg/L 24 h mg/L (Dappnia magna) - Benzenepropanoic acid, EC50: 100mg/L 1330-20-7 EC50 72 h > 100 (72h, refin) EC50 = 0.0084 mg/L 24 h mg/L (Dappnia magna) - EC50 4 h > 86 mg/L (Dappnia magna) Solis(1,1-dimetryleth y)-4-hydroxy, 2						
mykiss) mykiss) mg/L 2 h Poly-2-chlorobutadiene -1,3 - LC50 (96h) >100 - - Hydrocarbons, C7, -r-alkanes, isoalkanes, cyclics EL50 (72h) = LL50 (96h) - - Hydrocarbons, C6, -r-alkanes, isoalkanes, isoalkanes, EL50 (72h) = LL50 (96h) - EL50 (48h) = 10-30 mg/L (Oncomynchus mykiss) - EL50 (48h) = - 13.6 mg/L (Concomynchus mykiss) - EL50 (48h) = - 13.6 mg/L 13.7 mg/L - EL50 (48h) = - 13.6 mg/L (Concomynchus mykiss) - EL50 (48h) = - 13.6 mg/L 13.6 mg/L - EL50 (48h) = - 18.27 mg/L mg/L 30 min - EC50 + 40 mg/L - 18.97 mg/L - - 48H 190 mg/L - 0 - 48H 190 mg/L - - 0 - 48H 190 mg/L						
Poly-2-chlorobutadiene -1,3 - LC50 (96h) >100 mgL (Danio rerio) - Hydrocarbons, C7, evalues, isoalkanes, cyclics ErL50 (72h) = 10:30 mgL (Pseudokirchner iella subcapitata) LL50 (96h) ->13.4 mgL Octorynchus mykiss) - EL50 (48h) = (Daphnia magna) Hydrocarbons, C6, isoalkanes, c5% n-kane, isoalkanes, c5% n-kane EL50 (72h) = 13.6 mg/L (Pseudokirchner iella subcapitata) LL50 (96h) = 18.27 mg/L (Oncorhynchus mykiss) - EL50 (48h)= 18.27 mg/L (Daphnia magna) Rosin 6050-09-7 EC50: =400 mg/L (72h, Desmodesmus subspicatus) LC50 (96h) = 18.27 mg/L (Daphnia mgL 30 min rerio) EC50 = 31.5 mg/L 30 min rerio) EC50 48 h >100 mg/L (Daphnia magna) Magnesium oxide (MgO) 1309-48-4 - LC50 96 h > 1400000 rg/L (Desmodesmus subspicatus) EC50 = 31.5 mg/L 30 min rerio) EC50: = 1329mg/L (Baphnia Magna) Xylenes (o-, m-, p- isomers) 1330-20-7 EC50 > 1000 mg/L (72h, Desmodesmus subspicatus) LC50 96 h > 100 mg/L (Oncorhynchus mykiss) (DECD EC50 = 0.084 mg/L 22 h mg/L 22 h mg/L 22 h sigal 53-bis(1,1-d magna) EC50 > 1000mg/L (Brachydanio rerio) EC50 = 0.084 mg/L 22 h sigal 53-bis(1,1-d magna) EC50 24 h > 86 mg/L (Daphnia magna) Zyleng (-2, 21 h) - isomers) EC50 > 1000mg/L (C2, 203) EC50 = 19.7 mg/L 30 min rerio) EC50 = 19.7 mg/L (28h, mg/L 30 min rel11.5mg/L (48h,						
Poly-2-chlorobutadiene -1,3 UNKNOWN - LC50 (96h) mg/L (Danio rerio) - - Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics EL50 (72h) = tiella subcapitata) LL50 (96h) -10.30 mg/L (Pseudokirchner (Oncorhynchus mykiss) - EL50 (48h) = 3.0 mg/L (Daphnia magna) Hydrocarbons, C6, isoalkanes, c5% (Pseudokirchner eiella subcapitata) LL50 (96h) -13.8 mg/L 13.8 mg/L (Daphnia mg/L (Danio rerio) - EL50 (48h) = 3.0 mg/L (Daphnia mgran) Rosin (MgO) 1309-48-4 EC50: =400mg/L (72h, bsomdesmus subspicatus) LC50 (96h) -10mg/L (Daphnia mgran) EC50 = 31.5 mg/L 30 min rerio) EC50 = 43.5 mg/L 30 min rerio) EC50 = 43.6 mg/L (Daphnia magna rerio) Magnesium oxide (MgO) 1309-48-4 EC50 72 h > 1400000 rg/L (Lepomis macrochirus) EC50 = 0.0084 mg/L 24 h mg/L 30 min rerio) EC50 = 40.8 mg/L 24 h mg/L 24 h mg/L 24 h mg/L 24 h mg/L 30 min rerio) EC50 24 h > 86 mg/L (Daphnia magna)				····9/ = = ···		
Poly-2-chlorobutadiene -1,3 UNKNOWN - - Poly-2-chlorobutadiene -1,3 UNKNOWN - - - Hydrocarbons, C7, evalics FL50 (72h) = (Pseudokirchner iella subcapitata) LL50 (96h) ->13.4 mg/L Oncorhynchus - EL50 (48h) = 3.0 mg/L (Daphnia magna) LL50 (96h) ->13.6 mg/L isoalkanes, c5% n-hexane EL50 (72h) = 18.27 mg/L (Pseudokirchner iella subcapitata) LL50 (96h) = 18.27 mg/L (Oncorhynchus mykiss) - EL50 (48h) = - - Rosin 8050-09-7 EC50 = 400 mg/L (Pseudokirchner iella subcapitata) LC50 (96h) mykiss) - EC50 = 31.5 EC50 = 41.5 - EC50 240 h mg/L 30 min subspicatus) EC50 = 31.5 EC50 48 h mg/L 30 min subspicatus) EC50 = 31.5 EC50 48 h mg/L 30 min subspicatus) EC50 = 31.5 EC50 48 h mg/L 30 min subspicatus) EC50 = 50 mg/L mg/L 30 min mg/L 30 min subspicatus) Xylenes (or, m, p- isomers) 1330-20-7 EC50 72 h > 1400000 rg/L (Desmodesmus subspicatus) LC50 96 h > 1400000 rg/L (Decomis macrochirus) - EC50 = 0.0084 EC50 = 0.0084 EC50 = 0.0084 EC50 = 0.0084 EC50 24 h = 3.4 mg/L (Daphnia magna) Szbic(1,1-dimethyleth rimethylethyl)-4-hydroxy- 2.2-bis[3-15,4-5i(1,1-di methylethyl)-4-hydroxy- 2.2-bis[3-15,4-5i(1,1-di methylethyl)-4-hydroxy- 2.2-bis[3-15,4-5i(1,1-di methylethyl)-4-hydroxy- 2.2-bis[3-15,4-5i(1,1-di methylethyl)-4-hydroxy- subspicatus) EC50 = 10.7 mg/L EC50 = 10.7 mg/L 30 min e11.5mg/L (48h, <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
promelas promelas Poly-2-chlorobutadiene -1,3 UNKNOWN - LC50 (96h) > 100 mg/L (Danio rerio) - Hydrocarbons, C7, n-akanes, isoalkanes, oyclics ErL50 (72h) = UL50 (96h) LL50 (96h) - EL50 (48h) = 3.0 mg/L - 10-30 mg/L evelokirchnet iella subcapitata) >10-30 mg/L >OECD 203 3.0 mg/L (Daphnia magna) 3.0 mg/L (Daphnia magna) Hydrocarbons, C6, isoalkanes, c5% n- evelokirchnet EL50 (72h) = 13.6 mg/L LL50 (96h) = 18.27 mg/L (Daphnia mg/L (Danio mykiss) - EL50 (48h) = 3.1 g mg/L (Daphnia mgna) Rosin 8050-09-7 EC50: =400mg/L Desmodesmus subspicatus) LC50 (96h) >1000 mg/L (Daphnia mg/L 30 min subspicatus) EC50 = 31.5 mg/L 30 min mg/L			Pimephales			
-1.3 UNKNOWN mg/L (Danio rerio) mg/L (Danio rerio) ELS0 (72h) = .10.30 mg/L (Daphnia magna) ELS0 (48h) = .3.0 mg/L (Daphnia magna) Hydrocarbons, C6, isoalkanes, <5%, n-hexane EL50 (72h) = .13.6 mg/l n-hexane LL50 (96h) = .13.6 mg/l 18.27 mg/l 18.27 mg/l (Daphnia magna) - EL50 (48h) = .3.0 mg/L (Daphnia magna) Rosin - EC50 (72h) = .13.6 mg/l n-hexane LL50 (96h) = .13.6 mg/l 18.27 mg/l (Daphnia magna) - EL50 (48h) = .3.19 mg/l (Daphnia magna) Rosin (MgO) 1309-48-4 EC50: =400mg/L (72h, Desmodesmus subspicatus) LC50 (96h) .10mg/L (Daphnia magna) EC50 = 31.5 .10mg/L (Daphnia magna) EC50 = 48 h .100 mg/L (Daphnia magna) Magnesium oxide (MgO) 1309-48-4 - - 48H 190mg/L .Daphnia Magna - 1000 mg/L (Desmodesmus subspicatus) LC50 96 h > .1400000 rg/L (Desmodesmus subspicatus) - EC50: = 10.0084 mg/L 24 h (Orcorhynchus mykiss) (OECD .203 EC50 0 2.0084 magna) EC50 24 h > 86 mg/L (Daphnia magna) Xylenes (or, m, p- isomers) 1330-20-7 - LC50 96 h > 100 mg/L (Daphnia magna) - EC50 2.100mg/L (Orcorhynchus mykiss) (OECD .203 - EC50 2.4 h > 86 mg/L (Daphnia magna) - 8enzenepropanoic acid, 3,5-bis(1,1-dimethyleth yl-4-hydroxy, ester 6683-19-8 EC50 72 h = .250 96 h 5.89 - EC50 = 19						
-1.3 UNKNOWN mg/L (Danio rerio) mg/L (Danio rerio) ELS0 (72h) = .10.30 mg/L (Daphnia magna) ELS0 (48h) = .3.0 mg/L (Daphnia magna) Hydrocarbons, C6, isoalkanes, <5%, n-hexane EL50 (72h) = .13.6 mg/l n-hexane LL50 (96h) = .13.6 mg/l 18.27 mg/l 18.27 mg/l (Daphnia magna) - EL50 (48h) = .3.0 mg/L (Daphnia magna) Rosin - EC50 (72h) = .13.6 mg/l n-hexane LL50 (96h) = .13.6 mg/l 18.27 mg/l (Daphnia magna) - EL50 (48h) = .3.19 mg/l (Daphnia magna) Rosin (MgO) 1309-48-4 EC50: =400mg/L (72h, Desmodesmus subspicatus) LC50 (96h) .10mg/L (Daphnia magna) EC50 = 31.5 .10mg/L (Daphnia magna) EC50 = 48 h .100 mg/L (Daphnia magna) Magnesium oxide (MgO) 1309-48-4 - - 48H 190mg/L .Daphnia Magna - 1000 mg/L (Desmodesmus subspicatus) LC50 96 h > .1400000 rg/L (Desmodesmus subspicatus) - EC50: = 10.0084 mg/L 24 h (Orcorhynchus mykiss) (OECD .203 EC50 0 2.0084 magna) EC50 24 h > 86 mg/L (Daphnia magna) Xylenes (or, m, p- isomers) 1330-20-7 - LC50 96 h > 100 mg/L (Daphnia magna) - EC50 2.100mg/L (Orcorhynchus mykiss) (OECD .203 - EC50 2.4 h > 86 mg/L (Daphnia magna) - 8enzenepropanoic acid, 3,5-bis(1,1-dimethyleth yl-4-hydroxy, ester 6683-19-8 EC50 72 h = .250 96 h 5.89 - EC50 = 19	Poly-2-chlorobutadiene	-		-	-	
Hydrocarbons, C7, n-alkanes, isoalkanes, (5) EL50 (72h) = (10-30 mg/L (Pseudokirchner iella subcapitata) LL50 (96h) >13.4 mg/L (Oncorhynchus mykiss) - EL50 (48h) = 3.0 mg/L (Daphnia magna) Hydrocarbons, C6, isoalkanes, <5% n-hexane EL50 (72h) = 13.6 mg/L (Pseudokirchner (Pseudokirchner (Pseudokirchner (Pseudokirchner (Pseudokirchner (Chcorhynchus mykiss) LL50 (96h) = 18.27 mg/L (Daphnia magna) - EL50 (48h) = 3.1.9 mg/L (Daphnia magna) Rosin 6050-09-7 EC50 = 400mg/L (72h, Desmodesmus subspicatus) LC50 (96h) >10mg/L (Dain) EC50 = 31.5 mg/L 30 min rerio) EC50 = 31.5 mg/L 30 min subspicatus) EC50 = 48 h > 100 mg/L (Daphnia magna) Magnesium oxide (MgO) 1309-48-4 - - - 48H 190mg/L Daphnia Magna Isopropyl alcohol 67-63-0 EC50 72 h > 1000 mg/L (Desmodesmus subspicatus) LC50 96 h 2- 1400000 ?g/L (Lepomis macrochirus) - EC50: =13299mg/L (48h, Daphnia magna) Xylenes (o-, m-, p- isomers) 3.5-bis(1,1-dimethyleth yl-4-hydroxy, 2.2-bis[[34](3.5-bis(1,1-dimethyleth yl)-4-hydroxy, 2.2-bis[[34](3.5-bis(1,1-dimethyleth yl)-4-hydroxy, 3.2-bis[[34](3.5-bis(1,1-dimethyleth yl)-4-hydroxy, 3.2-bis[[34](3.5-bis(1,1-dimethyleth yl)-4-hydroxy, 3.2-bis[[34](3.5-bis(1,1-dimethyleth yl)-4-hydroxy, 3.2-bis[[34](3.5-bis(1,1-dimethyleth yl)-4-hydroxy, 3.2-bis[[34](3.5-bis(1,1-dimethyleth yl)-4-hydroxy, 3.2-bis[[34](3.5-bis(1,1-dimethyleth yl)-4-hydroxy, 3.2-bis[[34](3.5-bis(1,1-dimethyleth yl)-4-hydroxy, 3.2-bis[[34](3.5-bis(1,1-dimethyleth yl)-4-hydroxy, 3.2-bis[[34](3.5-bis(1,1-dimethyleth yl)-4-hydroxy, 3.2-bis[[34](3.5-bis(1,1-dim			mg/L (Danio			
n-aikanes, isoalkanes, cyclics 10-30 mg/L (Pseudokirchner iella subcapitata) 13.4 mg/L (Oncorhynchus mykiss) 3.0 mg/L (Daphnia magna)	UNKNOWN		rerio)			
cyclics (Pseudokirčnner iella subcapitata) (Oncorhynčnus mykiss) (Daphňia magna) Hydrocarbons, C6, isoalkanes, <5%				-		
iella subcapitata) OECD 203 magna) OECD 203 Hydrocarbons, C6, isoalkanes, <5% n-hexane EL50 (72h) = 13.6 mg/l (Pseudokirchner iella subcapitata) LL50 (96h) = 18.27 mg/l (Oncorhynchus mykiss) - EL50 (48h)= 31.9 mg/l (Daphnia magna) Rosin 8050-09-7 EC50: =400mg/L (72h, Desmodesmus subspicatus) LC50 (96h) >100g/L (Daphnia rerio) EC50 48 h >100 mg/L (Daphnia magna) Magnesium oxide (MgO) 1309-48-4 - - 48H 190mg/L Daphnia Magna Isopropyl alcohol 67-63-0 EC50 72 h > 1000 mg/L (Desmodesmus subspicatus) LC50 96 h > 1400000 ?g/L (LEpomis macrochirus) - EC50: =1329mg/L (48h, Daphnia magna) Xylenes (o-, m-, p- isomers) 1330-20-7 - LC50 96 h > 100 mg/L (Desmodesmus subspicatus) EC50 0 = 0.0084 mg/L EC50 2 4 h > 86 mg/L (Daphnia magna) St-bis(1,1-dimethyleth y)-4-hydroxy, 2.2-bis[[3-1],3-bis(1,1-di methylethyl-1-3-propanediyl ester 6683-19-8 EC50 72 h = (C50 72 h = 203) EC50 = 19.7 mg/L EC50 24 h > 86 mg/L (Daphnia magna) Benzenepropancic acid, 3,5-bis(1,1-dimethyleth y)-4-hydroxy, phenyl]-1-3-propanediyl ester 6683-19-8 EC50 72 h = 2050 f h 5.89 EC50 = 19.7 mg/L 30 min =11.5mg/L (48h,						
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	cyclics					
Hydrocarbons, C6, isoalkanes, <5% n-hexane EL50 (72h) = 13.6 mg/l (Pseudokircher (Oncorhynchus iella subcapitata) LL50 (96h) = 18.27 mg/l 18.27 mg/l (Daphnia magna) - EL50 (48h)= 31.9 mg/l (Daphnia magna) Rosin 8050-09-7 EC50: =400mg/L (72h, Desmodesmus subspicatus) LC50 (96h) >100mg/L (Danio rerio) EC50 = 31.5 mg/L 30 min - EC50 a 8 h >100 mg/L (Daphnia magna) Magnesium oxide (MqO) 1309-48-4 - - - 48H 190mg/L Daphnia Magna Isopropyl alcohol 67-63-0 EC50 72 h > 1000 mg/L (Desmodesmus subspicatus) LC50 96 h > 1400000 ?g/L (Lepomis magna) - EC50: =13299mg/L (48h, Daphnia magna) Xylenes (o-, m-, p- isomers) 1330-20-7 - LC50 96 h 2.6 mg/L EC50 = 0.0084 mg/L EC50 48 h = 3.4 mg/L (Dappnia magna) Benzenepropanoic acid, 3.5-bis(1,1-dimethyleth y)-4-hydroxy, 2.2-bis[[3-3,5-bis(1,1-dimethyleth y])-4-hydroxy, phenyl]-1-oxpropoxy] methyl]-1-oxpropoxy] methyl]-1-oxpropoxy] methyl]-1-oxpropoxy] methyl]-1-oxpropoxy] methyl]-1-oxpropoxy] methyl]-1-oxpropoxy] methyl]-1-oxpropoxy] methyl]-1-oxpropoxy] methyl]-1-oxpropoxy] methyl]-1-oxpropoxy] methyl]-1-oxpropoxy] methyl]-1-oxpropoxy] methyl]-1-oxpropoxy] methyl]-1-oxpropoxy] methyl]-1-3-propanetiyl ester 6683-19-8 EC50 72 h = LC50 96 h 5.89 (250 96 h 5.89 (250 06 1 9.7 mg/L 30 min =11.5mg/L (48h,		iella subcapitata)			magna)	
isoalkanes, <5%						
n-hexane iella subcapitata) (Oncorhynchus mykiss) (Daphnia magna) Rosin 8050-09-7 EC50: =400mg/L (72h, Desmodesmus subspicatus) LC50 (96h) >10mg/L (Danio rerio) EC50 = 31.5 mg/L 30 min EC50 48 h >100 mg/L (Daphnia magna) Magnesium oxide (MgO) 1309-48-4 - - - 48H 190mg/L Daphnia Magna Isopropyl alcohol 67-63-0 EC50 72 h > 1000 mg/L (Desmodesmus subspicatus) LC50 96 h > 1400000 rg/L (Desmodesmus subspicatus) - EC50: =13299mg/L (48h, Daphnia magna) Xylenes (o-, m-, p- isomers) 1330-20-7 - LC50 96 h 2.6 mg/L (Oncorhynchus mykiss) (DECD 203) EC50 = 0.0084 mg/L 24 h EC50 48 h = 3.4 mg/L (Daphnia magna) Benzenepropanoic acid, 3,5-bis(1,1-dimethyleth yl)-4-hydroxy, phenyl]-1-oxporpoxyj methyl]-1-oxporpoxyj methyl]-1-axpropanetiyl ester 6683-19-8 EC50 72 h = LC50 96 h 5.89 (DECD 203 - EC50 = 19.7 mg/L 30 min EC50: EC50: =11.5mg/L (48h,		EL50(72n) =		-		
iella subcapitata) mykiss) magna) Rosin 8050-09-7 EC50: =400mg/L (72h, Desmodesmus subspicatus) LC50 (96h) >10mg/L (Danio rerio) EC50 = 31.5 mg/L 30 min subspicatus) EC50 48 h >100 mg/L (Daphnia magna) Magnesium oxide (MgO) 1309-48-4 - - - 48H 190mg/L Daphnia Magna - Isopropyl alcohol 67-63-0 EC50 72 h > 1000 mg/L (Desmodesmus subspicatus) LC50 96 h > 1400000 ?g/L (Lepomis macrochrus) - EC50: =13299mg/L (48h, Daphnia magna) Xylenes (o-, m-, p- isomers) 1330-20-7 - LC50 96 h > 100 mg/L (Oncorhynchus mykiss) (OECD 203) EC50 = 0.0084 mg/L 24 h EC50 48 h = 3.4 mg/L (Dappnia magna) Benzenepropanoic acid, 3,5-bis(1,1-dimethyleth yl)-4-hydroxy- phenyl]-1-oxopropoxyl methyl]-1-3-propanediyl ester 6683-19-8 C72h, VEC50 72 h = LC50 96 h 5.89 (EC50 72 h = 108-88-3 C50 72 h = 12.5 mg/L LC50 96 h 5.89 (EC50 = 19.7 mg/L 30 min =11.5 mg/L (48h, EC50: =11.5 mg/L (48h,						
Rosin 8050-09-7 EC50: =400mg/L (72h, Desmodesmus subspicatus) LC50 (96h) -10mg/L (Danio rerio) EC50 = 31.5 mg/L 30 min EC50 48 h >100 mg/L (Daphnia magna) Magnesium oxide (MgO) 1309-48-4 - - 48H 190mg/L Daphnia Magna - Isopropyl alcohol 67-63-0 EC50 72 h > 1000 mg/L (Desmodesmus subspicatus) LC50 96 h > 1400000 ?g/L (Lepomis macrochrus) - EC50: =13299mg/L (48h, Daphnia magna) Xylenes (o-, m-, p- isomers) - LC50 96 h 2.6 mg/L EC50 = 0.0084 mg/L EC50 48 h = 3.4 mg/L 3,5-bis(1,1-dimethyleth yl)-4-hydroxy- phenyl]-1-oxopropoxyl methylethyl)-4-hydroxy phenyl]-1-oxopropoxyl methylethyl)-4-hydroxy phenyl]-1-oxopropoxyl methylethyl)-4-bydroxy phenyl]-1-oxopropoxyl methylethyl)-4-bydroxy phenyl]-1-oxopropoxyl methylethyl)-4-bydroxy phenyl]-1-oxopropoxyl methylethyl)-4-bydroxy phenyl]-1-oxopropoxyl methylethyl)-4-bydroxy phenyl]-1-oxopropoxyl methylethyl)-4-bydroxy phenyl]-1-oxopropoxyl methylethyl)-4-bydroxy phenyl]-1-oxopropoxyl methylethyl)-4-bydroxy phenyl]-1-oxopropoxyl methylethyl)-4-bydroxy phenyl]-1-oxopropoxyl methylethyl)-4-bydroxy phenyl]-1-oxopropoxyl methylethyl)-4-bydroxy phenyl]-1-oxopropoxyl methylethyl)-4-bydroxy phenyl]-1-oxopropoxyl methylethyl)-4-bydroxy phenyl]-1-oxopropoxyl methylethyl)-4-bydroxy phenyl]-1-oxopropoxyl methylethyl)-4-bydroxy phenyl]-1-oxopropoxyl methylethyl)-4-bydroxy phenyl]-1-oxopropoxyl methylethyl)-4-bydroxy phenyl[-1-oxopropoxyl methylethyl)-4-bydroxy phenyl[-1-oxopropxy] LC50 96 h 5.89 - 7.81 mg/L EC50 = 19.7 mg/L 30 min EC50: =11.5 mg/L (48h,	n-nexane					
8050-09-7 (72h, Desmodesmus subspicatus) >10mg/L (Danin rerio) mg/L 30 min rerio) >100 mg/L (Daphnia magna) Magnesium oxide (MgO) 1309-48-4 - - 48H 190mg/L Daphnia Magna - Isopropyl alcohol 67-63-0 EC50 72 h > 1000 mg/L (Desmodesmus subspicatus) LC50 96 h > 1400000 ?g/L (Lepomis macrochirus) - EC50: =13299mg/L (48h, Daphnia magna) Xylenes (o-, m-, p- isomers) - LC50 96 h 2.6 mg/L EC50 48 h = 3.4 mg/L 24 h I330-20-7 - LC50 96 h > 100 mg/L EC50 20.0084 mg/L 24 h EC50 24 h > 86 mg/L (Daphnia magna) Sobspicatus) - LC50 96 h > 100 mg/L - EC50 24 h > 86 mg/L (Daphnia magna) Sobspicatus) Desmodesmus mykiss) (OECD 203) - EC50 24 h > 86 mg/L (Daphnia magna) Sobspicatus) Desmodesmus subspicatus) Grachydanio rerio) - EC50 24 h > 86 mg/L (Daphnia magna) - 2.2-bis[[3-],3-5-bis(1,1-d imethylethyl)-4-hydroxy- phenyl]-1-oxopropoxy] methyl]-1,3-propanediyl ester 6683-19-8 EC50 72 h = LC50 96 h 5.89 EC50 = 19.7 EC50: mg/L 30 min =11.5mg/L (48h,		ielia Subcapitata)	Шукізэ)		magnaj	
8050-09-7 (72h, Desmodesmus subspicatus) >10mg/L (Danin rerio) mg/L 30 min rerio) >100 mg/L (Daphnia magna) Magnesium oxide (MgO) 1309-48-4 - - 48H 190mg/L Daphnia Magna - Isopropyl alcohol 67-63-0 EC50 72 h > 1000 mg/L (Desmodesmus subspicatus) LC50 96 h > 1400000 ?g/L (Lepomis macrochirus) - EC50: =13299mg/L (48h, Daphnia magna) Xylenes (o-, m-, p- isomers) - LC50 96 h 2.6 mg/L EC50 48 h = 3.4 mg/L 24 h I330-20-7 - LC50 96 h > 100 mg/L EC50 20.0084 mg/L 24 h EC50 24 h > 86 mg/L (Daphnia magna) Sobspicatus) - LC50 96 h > 100 mg/L - EC50 24 h > 86 mg/L (Daphnia magna) Sobspicatus) Desmodesmus mykiss) (OECD 203) - EC50 24 h > 86 mg/L (Daphnia magna) Sobspicatus) Desmodesmus subspicatus) Grachydanio rerio) - EC50 24 h > 86 mg/L (Daphnia magna) - 2.2-bis[[3-],3-5-bis(1,1-d imethylethyl)-4-hydroxy- phenyl]-1-oxopropoxy] methyl]-1,3-propanediyl ester 6683-19-8 EC50 72 h = LC50 96 h 5.89 EC50 = 19.7 EC50: mg/L 30 min =11.5mg/L (48h,	Rosin	EC50: =400mg/L	LC50 (96h)	EC50 = 31.5	EC50 48 h	
Desmodesmus subspicatus)rerio)(Daphnia magna)Magnesium oxide (MgO) 1309-48-448H 190mg/L Daphnia MagnaIsopropyl alcohol 67-63-0EC50 72 h > 1000 mg/L (Desmodesmus subspicatus)LC50 96 h > 1400000 ?g/L (Lepomis macrochirus)-EC50: = 13299mg/L (48h, Daphnia magna)Xylenes (o-, m-, p- isomers) 1330-20-7-LC50 96 h 2.6 mg/L (Oncorhynchus mykiss) (OECD 203)EC50 = 0.0084 mg/L 24 hEC50 48 h = 3.4 mg/L (Dappnia magna)Benzenepropanoic acid (72h, phenyl-1-vaxpropoxy)EC50:>100mg/L (72h, Desmodesmus subspicatus)LC50 96 h > 100 mg/L-EC50 24 h > 86 mg/L OECD 203Benzenepropanoic acid (72h, bermodesmus phenyl-1-vaxpropoxy)EC50 72 h =LC50 96 h > 100 mg/L-EC50 24 h > 86 mg/L (Daphnia magna)Yul-hydroxy- phenyl-1-vaxpropoxy phenyl-1-vaxpropoxy henyl-1-3.9-7EC50 72 h =LC50 96 h 5.89 PCD 203-EC50 = 19.7 mg/L 30 min =11.5mg/L (48h,						
Lesssubspicatus)LessABH 190mg/L Daphnia MagnaMagnesium oxide (MgO) 1309-48-448H 190mg/L Daphnia MagnaIsopropyl alcohol $67-63-0$ EC50 72 h > 1000 mg/L (Desmodesmus subspicatus)LC50 96 h > 1400000 ?g/L (Lepomis macrochirus)-EC50: = 13299mg/L (48h, Daphnia magna)Xylenes (o-, m-, p- isomers) 1330-20-7-LC50 96 h 2.6 (Lepomis macrochirus)EC50 = 0.0084 mg/L (Oncorhynchus mykis) (OECDEC50 = 0.0084 mg/L 24 hEC50 48 h = 3.4 mg/L 24 hBenzenepropanoic acid, 3,5-bis(1,1-dimethyleth yl)-4-hydroxy-, phenyl]-1.oxopropoxy]EC50: >100mg/L (T2h, Desmodesmus subspicatus)CS0 96 h > 100 mg/L (Brachydanio rerio)-EC50 24 h > 86 mg/L 24 hToluene 6683-19-8EC50 72 h =LC50 96 h 5.89 - 7.81 mg/LEC50 = 19.7 mg/L 30 min mg/L 30 minEC50: =11.5mg/L (48h,				g ,		
Magnesium oxide (MgO) 1309-48-4 - - - 48H 190mg/L Daphnia Magna Isopropyl alcohol 67-63-0 EC50 72 h > 1000 mg/L (Desmodesmus subspicatus) LC50 96 h > 1400000 ?g/L (Lepomis macrochirus) - EC50: =13299mg/L (48h, Daphnia magna) Xylenes (o-, m-, p- isomers) 1330-20-7 - LC50 96 h > 6 0 EC50 EC50 = 0.0084 mg/L EC50 48 h = 3.4 mg/L (Dappnia magna) Benzenepropanoic acid, 3,5-bis(1,1-dimethyleth yl)-4-hydroxy-, phenyl]-1-oxopropoxy] methylelhyl-4-hydroxy bester 6683-19-8 EC50 72 h = 108-88-3 LC50 96 h 5.89 12.5 mg/L - EC50 = 19.7 mg/L EC50: SO = 11.5mg/L (48h,			/)	
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	Magnesium oxide	-	-	-	48H 190mg/L	
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	(MgO)				Daphnia Magna	
67-63-0 1000 mg/L (Desmodesmus subspicatus) 1400000 ?g/L (Lepomis macrochirus) =13299mg/L (48h, Daphnia magna) Xylenes (o-, m-, p- isomers) - LC50 96 h 2.6 mg/L (Oncorhynchus mykiss) (OECD EC50 = 0.0084 mg/L 24 h EC50 48 h = 3.4 mg/L (Dappnia magna) 1330-20-7 - LC50 96 h 2.6 mg/L EC50 = 0.0084 mg/L 24 h EC50 24 h > 86 mg/L (Dappnia magna) 3,5-bis(1,1-dimethyleth yl)-4-hydroxy-, 2,2-bis[[3-[3,5-bis(1,1-dimethyleth yl)-4-hydroxy-, phenyl]-1.oxopropoxy] methylethyl)-4-hydroxy phenyl]-1.oxopropoxy] methylethyl-1,3-propanediyl ester 6683-19-8 (Brachydanio rerio) - EC50 24 h > 86 mg/L (Daphnia magna) Toluene EC50 72 h = 108-88-3 LC50 96 h 5.89 12.5 mg/L EC50 96 h 5.89 - 7.81 mg/L EC50 = 19.7 mg/L 30 min EC50:	1309-48-4				-	
(Desmodesmus subspicatus)(Lepomis macrochirus)(48h, Daphnia magna)Xylenes (o-, m-, p- isomers) 1330-20-7-LC50 96 h 2.6 mg/LEC50 = 0.0084 mg/LEC50 48 h = 3.4 mg/L (Dappnia magna)1330-20-7-LC50 96 h 2.6 mg/Lmg/L (Dappnia mg/L1330-20-7-Concorhynchus mykiss) (OECD 203)mg/L (Dappnia mg/LBenzenepropanoic acid, 3,5-bis(1,1-dimethyleth yl)-4-hydroxy-, phenyl]-1-oxopropoxy] methylethyl-4-hydroxy phenyl]-1.3-propanediyl ester 6683-19-8EC50 72 h =LC50 96 h 5.89 LC50 96 h 5.89EC50 = 19.7 mg/L 30 minEC50:TolueneEC50 72 h =LC50 96 h 5.89 12.5 mg/LEC50 = 19.7 mg/L 30 minEC50:EC50:	Isopropyl alcohol	EC50 72 h >		-		
Subspicatus)macrochirus)magna)Xylenes (o-, m-, p- isomers) 1330-20-7-LC50 96 h 2.6 mg/L (Oncorhynchus mykiss) (OECD 203)EC50 = 0.0084 mg/L 24 hEC50 48 h = 3.4 mg/L (Dappnia magna)Benzenepropanoic acid, 3,5-bis(1,1-dimethyleth yl)-4-hydroxy-, phenyl]-1-oxopropoxy] methyl]-1,3-propanediyl ester $6683-19-8$ EC50 72 h =LC50 96 h 5.89 LC50 96 h 5.89 - 7.81 mg/LEC50 = 19.7 mg/L 30 minEC50: <td>67-63-0</td> <td></td> <td></td> <td></td> <td></td> <td></td>	67-63-0					
Xylenes (o-, m-, p- isomers) 1330-20-7LC50 96 h 2.6 mg/LEC50 = 0.0084 mg/LEC50 48 h = 3.4 mg/L (Dappnia magna)Benzenepropanoic acid, 3,5-bis(1,1-dimethyleth yl)-4-hydroxy-, phenyl]-1-oxopropoxy] methyl]-1,3-propandeiyl ester $6683-19-8$ EC50 72 h = LC50 96 h 5.89 TolueneLC50 96 h 5.89 rest of the standard state of the s						
isomers) 1330-20-7mg/L (Oncorhynchus mykiss) (OECD 203)mg/L 24 h mg/L 24 hmg/L (Dappnia magna)Benzenepropanoic acid, 3,5-bis(1,1-dimethyleth yl)-4-hydroxy-, 2,2-bis[[3-[3,5-bis(1,1-dimethyleth])-4-hydroxy-, ester $6683-19-8$ EC50: >100mg/L (72h, Desmodesmus subspicatus)LC50 96 h > 100 mg/L (Brachydanio rerio) OECD 203-EC50 24 h > 86 mg/L (Daphnia magna) OECD 2020ECD 2030ECD 2030ECD 203-EC50 202-0ECD 2030ECD 2030ECD 2030ECD 2020ECD 2040ECD 2030ECD 2030ECD 2020ECD 2030ECD 2030ECD 2030ECD 2020ECD 2030ECD 2030ECD 2030ECD 2030ECD 2030ECD 2030ECD 2030ECD 2040ECD 2030ECD 2030ECD 2030ECD 2040ECD 2050ECD 205108-88-312.5 mg/L		subspicatus)	,	FOR A A A A		
$\begin{array}{c c c c c c c c c c c c c c c c c c c $		-				
mykiss) (OECD 203)mykiss) (OECD 203)Benzenepropanoic acid, 3,5-bis(1,1-dimethyleth yl)-4-hydroxy-, 2,2-bis[[3-[3,5-bis(1,1-dimethylethyl)-4-hydroxy] methylethyl)-4-hydroxy phenyl]-1-oxopropoxy] methyl]-1,3-propanediyl ester $6683-19-8$ EC50 72 h = 12.5 mg/LLC50 96 h 5.89 - 7.81 mg/LEC50 = 19.7 mg/L 30 minEC50: =11.5mg/L (48h,				mg/L 24 h		
203) Constraint 203) Benzenepropanoic acid, 3,5-bis(1,1-dimethyleth yl)-4-hydroxy-, 2,2-bis[[3-[3,5-bis(1,1-dimethylethyl)-4-hydroxy-, phenyl]-1-oxopropoxy] EC50 (24 h > 86 mg/L (Daphnia magna) - 0ECD 203 0ECD 203 magna) 0ECD 202 0ECD 203 0ECD 203 0ECD 202 methyl]-1-oxopropoxy] 0EC50 72 h = LC50 96 h 5.89 12.5 mg/L EC50 = 19.7 mg/L 30 min EC50: =11.5mg/L (48h,	1330-20-7				magna)	
Benzenepropanoic acid, EC50: >100mg/L LC50 96 h > 100 - EC50 24 h > 86 3,5-bis(1,1-dimethyleth yl)-4-hydroxy-, (72h, mg/L mg/L 2,2-bis[[3-[3,5-bis(1,1-dimethylethyl)-4-hydroxy-, Desmodesmus (Brachydanio magna) 2,2-bis[[3-[3,5-bis(1,1-dimethylethyl)-4-hydroxy-, Desmodesmus (Brachydanio rerio) imethylethyl)-4-hydroxy- OECD 203 OECD 203 OECD 202 methyl]-1.oxopropoxy] OECD 203 OECD 203 Imethylethylow ester 6683-19-8 EC50 72 h = LC50 96 h 5.89 EC50 = 19.7 Toluene EC50 72 h = LC50 96 h 5.89 EC50 = 19.7 EC50: 108-88-3 12.5 mg/L - 7.81 mg/L mg/L 30 min =11.5mg/L (48h,						
3,5-bis(1,1-dimethyleth yl)-4-hydroxy-, 2,2-bis[[3-[3,5-bis(1,1-dimethylethyl)-4-hydroxy-, phenyl]-1-oxopropoxy] methyl]-1,3-propanediyl ester 6683-19-8(72h, Desmodesmus (Brachydanio rerio) OECD 203mg/L (Daphnia magna) OECD 202Toluene 108-88-3EC50 72 h = 12.5 mg/LLC50 96 h 5.89 - 7.81 mg/LEC50 = 19.7 mg/L 30 minEC50: =11.5mg/L (48h,	Renzenenronanoic acid	EC50: \100mg/			FC50.24 h > 86	
yl)-4-hydroxy-, 2,2-bis[[3-[3,5-bis(1,1-d] imethylethyl)-4-hydroxy phenyl]-1-oxopropoxy] methyl]-1,3-propanediyl ester 6683-19-8Desmodesmus subspicatus)(Brachydanio rerio) OECD 203magna) OECD 202Toluene 108-88-3EC50 72 h = 12.5 mg/LLC50 96 h 5.89 - 7.81 mg/LEC50 = 19.7 mg/L 30 minEC50: =11.5mg/L (48h,				-		
2,2-bis[[3-[3,5-bis(1,1-d] imethylethyl)-4-hydroxy phenyl]-1-oxopropoxy] subspicatus) rerio) OECD 203 0ECD 203 0ECD 203 0ECD 203 0ECD 202 methyl]-1,3-propanediyl ester 0ECD 204 0ECD 203 0ECD 204 6683-19-8 0EC50 72 h = LC50 96 h 5.89 EC50 = 19.7 EC50: 108-88-3 12.5 mg/L - 7.81 mg/L mg/L 30 min =11.5mg/L (48h,						
imethylethyl)-4-hydroxy phenyl]-1-oxopropoxy] methyl]-1,3-propanediyl ester 6683-19-8 OECD 203 Image: Constraint of the sector of the s						
phenyl]-1-oxopropoxy] methyl]-1,3-propanediyl ester ester 6683-19-8 EC50 72 h = Toluene EC50 72 h = 108-88-3 12.5 mg/L - 7.81 mg/L mg/L 30 min =11.5mg/L (48h,						
methyl]-1,3-propanediyl ester ester 6683-19-8 EC50 72 h = Toluene EC50 72 h = 108-88-3 12.5 mg/L - 7.81 mg/L mg/L 30 min =11.5mg/L (48h,						
ester ester 6683-19-8 EC50 72 h = Toluene EC50 72 h = 108-88-3 12.5 mg/L - 7.81 mg/L mg/L 30 min =11.5mg/L (48h,						
6683-19-8 EC50 72 h = LC50 96 h 5.89 EC50 = 19.7 EC50: 108-88-3 12.5 mg/L - 7.81 mg/L mg/L 30 min =11.5mg/L (48h,						
108-88-3 12.5 mg/L - 7.81 mg/L mg/L 30 min =11.5mg/L (48h,						
(Pseudokirchner (Oncorhynchus Daphnia magna)	108-88-3			mg/L 30 min		
		(Pseudokirchner	(Oncorhynchus		Daphnia magna)	

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Revision date 01-Sep-2022 Revision Number 1.02

	iella subcapitata)	mykiss		EC50: 5.46 -		
		flow-through)		9.83mg/L (48h,		
		LC50 96 h = 5.8		Daphnia magna)		
		mg/L				
		(Oncorhynchus				
		mykiss				
		semi-static)				
Talc	-	LC50: >100g/L	-	-		
14807-96-6		(96h,				
		Brachydanio				
		rerio)				
Ethylbenzene	EC5072h 2.6-	LC50 96 h = 4.2	EC50 = 9.68	EC50: 1.8 -		
100-41-4	11.3 mg/L	mg/L	mg/L 30 min	2.4mg/L (48h,		
	(Pseudokirchner		EC50 = 96 mg/L			
	iella subcapitata)	mykiss	24 h			
		semi-static)				
4 tart Dutulahanal				EC50: 3.4 -	1	1
4-tert-Butylphenol	EC50:	LC50: =6.9mg/L	-		1	1
98-54-4	=11.2mg/L (72h,	(96h, Cyprinus		4.5mg/L (48h,		
	Desmodesmus	carpio) LC50:		Daphnia magna)		
	subspicatus)	4.71 - 5.62mg/L		EC50: =3.9mg/L		
		(96h,		(48h, Daphnia		
		Pimephales		magna)		
		promelas)		U ,		
Hexane	-	LC50: 2.1 -	-	EC50:	1	1
110-54-3		2.98mg/L (96h,		>1000mg/L (24h,	•	
110 01 0		Pimephales		Daphnia magna)		
				Dapririla magria)		
0.11	E050 70 J	promelas)	FO 50 05 5	F050 00 //		
Cyclohexane	EC50 72 h >	LC50: 23.03 -	EC50 = 85.5	EC50: >0.9 mg/L		
110-82-7		42.07mg/L (96h,		(24h, Daphnia		
	(Pseudokirchner	Pimephales	EC50 = 93 mg/L	magna)		
	ella subcapitata)	promelas) LC50:	10 min			
		48.87 -				
		68.76mg/L (96h,				
		Poecilia				
		reticulata) LC50:				
		3.96 - 5.18mg/L				
		(96h,				
		Pimephales				
		promelas) LC50:				
		24.99 -				
		44.69mg/L (96h,				
		Lepomis				
		macrochirus)				
Formaldehyde	-	LC50: =41mg/L	-	LC50: =2mg/L		
50-00-0		(96h,		(48h, Daphnia		
		Brachydanio		magna) EC50:		
		rerio) LC50:		11.3 - 18mg/L		
		=1510?g/L (96h,		(48h, Daphnia		
		Lepomis		magna)		
		macrochirus)				
		LC50: 0.032 -				
		0.226mL/L (96h,				
		Oncorhynchus				
		mykiss) LC50:				
		100 - 136mg/L				
		(96h,				
				1		
		Oncorhynchus				
		mykiss) LC50:				
		mykiss) LC50: 22.6 - 25.7mg/L				
		mykiss) LC50:				

BOSTIK CONTACT N320 MULTI

promelas) LC50: 23.2 - 29.7mg/L (96h		

12.2. Persistence and degradability

Persistence and degradability No information available.

Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane (RR-100223-9)

28 days biodegradation 98 % Readily biodegradab	Method	Exposure time	Value	Results
		28 days	biodegradation	98 % Readily biodegradable

Methyl ethyl ketone (78-93-3)

Method	Exposure time	Value	Results
OECD Test No. 301D: Ready Biodegradability: Closed Bottle Test (TG 301 D)	5	biodegradation	98 % Readily biodegradable

Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics (--

Method	Exposure time	Value	Results
OECD Test No. 301F: Ready	28 days	98%	Readily biodegradable
Biodegradability: Manometric			
Respirometry Test (TG 301 F)			

Xylenes (o-, m-, p- isomers) (1330-20-7)

Method		Value	Results
OECD Test No. 301F: Ready	28 days	biodegradation	87.8 % Readily biodegradable
Biodegradability: Manometric			
Respirometry Test (TG 301 F)			

12.3. Bioaccumulative potential

Bioaccumulation

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There is no data for this product.

Component Information

Chemical name	Partition coefficient
Methyl ethyl ketone	0.3
Ethyl acetate	0.73
Hydrocarbons, C6, isoalkanes, <5% n-hexane	3.6
Rosin	7.7
Isopropyl alcohol	0.05
Xylenes (o-, m-, p- isomers)	3.15
Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, 2,2-bis[[3-[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopr opoxy]methyl]-1,3-propanediyl ester	22.7
Toluene	3.93
Ethylbenzene	3.6
4-tert-Butylphenol	3
Hexane	4
Cyclohexane	3.93
Formaldehyde	0.35

12.4. Mobility in soil

Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment The product does not contain any substance(s) classified as PBT or vPvB.

Chemical name	PBT and vPvB assessment
Methyl ethyl ketone	The substance is not PBT / vPvB
Ethyl acetate	The substance is not PBT / vPvB PBT assessment does
	not apply
Rosin	The substance is not PBT / vPvB Further information
	relevant for the PBT assessment is necessary
Isopropyl alcohol	The substance is not PBT / vPvB PBT assessment does
	not apply
Xylenes (o-, m-, p- isomers)	The substance is not PBT / vPvB
Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-,	The substance is not PBT / vPvB
2,2-bis[[3-[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropox	
y]methyl]-1,3-propanediyl ester	
Toluene	The substance is not PBT / vPvB PBT assessment does
	not apply
Talc	The substance is not PBT / vPvB
Ethylbenzene	The substance is not PBT / vPvB
4-tert-Butylphenol	The substance is not PBT / vPvB PBT assessment does
	not apply
Hexane	The substance is not PBT / vPvB
Cyclohexane	The substance is not PBT / vPvB PBT assessment does
	not apply
Formaldehyde	The substance is not PBT / vPvB PBT assessment does
	not apply

12.6. Endocrine disrupting properties

Endocrine disrupting properties No information available.

12.7. Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste from residues/unused products	Should not be released into the environment. Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.
Contaminated packaging	Empty containers pose a potential fire and explosion hazard. Do not cut, puncture or weld containers.
European Waste Catalogue	08 04 09* waste adhesives and sealants containing organic solvents or other dangerous substances 15 01 10*: Packaging containing residues of or contaminated by dangerous substances
Other information	Waste codes should be assigned by the user based on the application for which the product was used.

SECTION 14: Transport information

Note:

The information shown here, may not always agree with the bill of lading shipping description for the material. The shipping descriptions shown here are for bulk shipments only, and may not apply to shipments made in non-bulk packages (see regulatory definition).

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Land transport (ADR/RID) 14.1 UN number or ID number 14.2 Proper Shipping Name 14.3 Transport hazard class(es) Labels 14.4 Packing group Description 14.5 Environmental hazards 14.6 Special Provisions Classification code Tunnel restriction code Limited quantity (LQ) ADR Hazard Id (Kemmler Number)	UN1133 Adhesives, Environmentally Hazardous 3 3 II UN1133, Adhesives, 3, II, (D/E), Environmentally Hazardous Yes 640D F1 (D/E) 5 L 33
 IMDG 14.1 UN number or ID number 14.2 Proper Shipping Name 14.3 Transport hazard class(es) 14.4 Packing group Description 14.5 Marine pollutant 14.6 Special Provisions Limited Quantity (LQ) EmS-No 14.7 Maritime transport in bulk according to IMO instruments 	UN1133 Adhesives (Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane), Marine Pollutant 3 II UN1133, Adhesives (Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane), 3, II, (-20°C c.c.), Marine Pollutant P None 5 L F-E, S-D Not applicable
Air transport (ICAO-TI / IATA-DGR 14.1 UN number or ID number 14.2 Proper Shipping Name 14.3 Transport hazard class(es) 14.4 Packing group Description 14.5 Environmental hazards 14.6 Special Provisions Limited quantity (LQ) ERG Code) UN1133 Adhesives 3 II UN1133, Adhesives, 3, II Yes A3 1 L 3L

Section 15: REGULATORY INFORMATION

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

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Check whether measures in accordance with Directive 94/33/EC for the protection of young people at work must be taken.

Take note of Directive 92/85/EC on the protection of pregnant and breastfeeding women at work

Registration, Evaluation, Authorization, and Restriction of Chemicals (REACh) Regulation (EC 1907/2006)

SVHC: Substances of Very High Concern for Authorisation:

This product does not contain candidate substances of very high concern at a concentration >=0.1% (Regulation (EC) No. 1907/2006 (REACH), Article 59)

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EU-REACH (1907/2006) - Annex XVII - Substances subject to Restriction

This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII).

Chemical name	CAS No	Restricted substance per REACH Annex XVII
Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane	RR-100223-9	
Methyl ethyl ketone	78-93-3	
Ethyl acetate	141-78-6	
Poly-2-chlorobutadiene-1,3	UNKNOWN	
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics		
Hydrocarbons, C6, isoalkanes, <5% n-hexane		
Chlorinated polymer	UNKNOWN	
Phenolic Resin	UNKNOWN	
Phenolic resin	UNKNOWN	
Rosin	8050-09-7	
Magnesium oxide (MgO)	1309-48-4	
Isopropyl alcohol	67-63-0	
Xylenes (o-, m-, p- isomers)	1330-20-7	
Methylols	UNKNOWN	
Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, 2,2-bis[[3-[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropoxy]m ethyl]-1,3-propanediyl ester	6683-19-8	
Water	7732-18-5	
Toluene	108-88-3	48.
Talc	14807-96-6	
Ethylbenzene	100-41-4	
4-tert-Butylphenol	98-54-4	
Hexane	110-54-3	
Cyclohexane	110-82-7	57. 75.
Formaldehyde	50-00-0	72. 28. 75.

Substance subject to authorisation per REACH Annex XIV

This product does not contain substances subject to authorisation (Regulation (EC) No. 1907/2006 (REACH), Annex XIV)

Dangerous substance category per Seveso Directive (2012/18/EU)

P5a - FLAMMABLE LIQUIDS P5b - FLAMMABLE LIQUIDS P5c - FLAMMABLE LIQUIDS E2 - Hazardous to the Aquatic Environment in Category Chronic 2 Named dangerous substances per Seveso Directive (2012/18/EU)

Chemical name	Lower-tier requirements (tons)	Upper-tier requirements (tons)
Formaldehyde - 50-00-0	5	50

Ozone-depleting substances (ODS) regulation (EC) 1005/2009 Not applicable

Persistent Organic Pollutants

Not applicable

National regulations

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15.2. Chemical safety assessment

Chemical Safety Assessments have been carried out by the Reach registrants for substances registered at >10 tpa. No Chemical Safety Assessment has been carried out for this mixture

SECTION 16: Other information

Key or legend to abbreviations and acronyms used in the safety data sheet

Full text of H-Statements referred to under section 3

EUH066 - Repeated exposure may cause skin dryness or cracking

H225 - Highly flammable liquid and vapour

- H304 May be fatal if swallowed and enters airways
- H315 Causes skin irritation

H317 - May cause an allergic skin reaction

H319 - Causes serious eye irritation

H336 - May cause drowsiness or dizziness

H411 - Toxic to aquatic life with long lasting effects

Legend	
TWA	TWA (time-weighted average)
STEL	STEL (Short Term Exposure Limit)
Ceiling	Ceiling Limit Value
*	Skin designation
SVHC	Substance(s) of Very High Concern
PBT	Persistent, Bioaccumulative, and Toxic (PBT) Chemicals
vPvB	Very Persistent and very Bioaccumulative (vPvB) Chemicals
STOT RE	Specific target organ toxicity - Repeated exposure
STOT SE	Specific target organ toxicity - Single exposure
EWC	European Waste Catalogue
ADR	European Agreement concerning the International Carriage of Dangerous Goods by
	Road
IMDG	International Maritime Dangerous Goods (IMDG)
ΙΑΤΑ	International Air Transport Association (IATA)
RID	Regulations concerning the International Transport of Dangerous Goods by Rail

Key literature references and sources for data

No information available

Prepared By	Product Safety & Regulatory Affairs
Revision date	01-Sep-2022
Indication of changes	
Revision note	SDS sections updated: 8, 11, 14.
Training Advice	Provide adequate information, instruction, and training for operator
Further information	No information available

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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End of Safety Data Sheet