

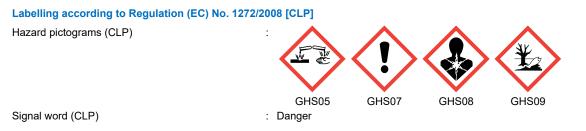
### Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Issue date: 6/18/2024 Revision date: 6/18/2024 Supersedes version of: 6/23/2023 Version: 6.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking		
1.1. Product identifier		
Product form Product name Product code Product group	<ul> <li>Mixture</li> <li>Altro Expand Coloured / Altro Expand Vertical Base</li> <li>E_B; EV_B</li> <li>End product</li> </ul>	
1.2. Relevant identified uses of the subs	tance or mixture and uses advised against	
<ul> <li>1.2.1. Relevant identified uses</li> <li>Main use category</li> <li>Use of the substance/mixture</li> <li>1.2.2. Uses advised against</li> <li>No additional information available</li> </ul>	<ul> <li>Industrial use,Professional use</li> <li>Epoxy Base - Industrial flooring &amp; wall coatings</li> </ul>	
1.3. Details of the supplier of the safety	data sheet	
Manufacturer Altro Resin Systems Unit 3 Station Road Industrial Estate Station Road GB– DT2 0AE Maiden Newton Dorchester T 01300 320620 sds@altro.com - www.altro.com 1.4. Emergency telephone number	<b>Distributor</b> Altro Deutschland GmbH & Co. KG Ebertallee 209 DE– 06846 Dessau-Rosslau T +49 (0) 340 6500-0 <u>www.altro.com</u>	
Emergency number	: 01462 480480 Monday - Friday 09:00 - 17:00	
SECTION 2: Hazards identification		
2.1. Classification of the substance or m	nixture	
Classification according to Regulation (EC) N Skin corrosion/irritation, Category 2 Serious eye damage/eye irritation, Category 1 Skin sensitisation, Category 1 Reproductive toxicity, Category 1B Hazardous to the aquatic environment – Chronic Full text of H- and EUH-statements: see section	H315 H318 H317 H360F Hazard, Category 2 H411	
Adverse physicochemical, human health and	environmental effects	

No additional information available

#### 2.2. Label elements



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Contains :	OXIRANE, MONO [(C12-14- ALKYLOXY)METHYL] DERIVS; Cashew nutshell extract; Bis[4-(2,3-epoxypropoxy)phenyl]propane; Reaction mass of 2,2'=[methylenebis(4,1- phenyleneoxymethylene)]dioxirane and [2-(2-[4-(oxiran-2- ylmethoxy)benzyl]phenoxy}methyl)oxirane and [2,2'-[methylenebis(2,1- phenyleneoxymethylene)]dioxirane
Hazard statements (CLP) :	<ul> <li>H315 - Causes skin irritation.</li> <li>H317 - May cause an allergic skin reaction.</li> <li>H318 - Causes serious eye damage.</li> <li>H360F - May damage fertility.</li> <li>H411 - Toxic to aquatic life with long lasting effects.</li> </ul>
Precautionary statements (CLP) :	<ul> <li>P201 - Obtain special instructions before use.</li> <li>P280 - Wear protective clothing, eye protection, face protection, protective gloves.</li> <li>P305+P351+P338+P310 - IF IN EYES: Rinse cautiously with water for several minutes.</li> <li>Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a</li> <li>POISON CENTER, a doctor.</li> <li>P308+P313 - IF exposed or concerned: Get medical advice/attention.</li> <li>P321 - Specific treatment (see supplemental first aid instruction on this label).</li> <li>P391 - Collect spillage.</li> </ul>
EUH-statements :	EUH210 - Safety data sheet available on request.
2.3 Other hazards	

Contains no PBT and/or vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

Component	
Bis[4-(2,3-epoxypropoxy)phenyl]propane(1675-54-3)	The substance is not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605

### **SECTION 3: Composition/information on ingredients**

# 3.1. Substances

#### Not applicable

### 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Bis[4-(2,3-epoxypropoxy)phenyl]propane	CAS-No.: 1675-54-3 EC-No.: 216-823-5 EC Index-No.: 603-073-00-2 REACH-no: 01-2119456619- 26	≥ 15 – < 50	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Chronic 2, H411
Reaction mass of 2,2'=[methylenebis(4,1- phenyleneoxymethylene)]dioxirane and [2-(2-[4- (oxiran-2-ylmethoxy)benzyl]phenoxy}methyl)oxirane and [2,2'-[methylenebis(2,1- phenyleneoxymethylene)]dioxirane	CAS-No.: 9003-36-5 EC-No.: 701-263-0 REACH-no: 01-2119454392- 40	≥ 5 – < 30	Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Chronic 2, H411
OXIRANE, MONO [(C12-14- ALKYLOXY)METHYL] DERIVS	CAS-No.: 68609-97-2 EC-No.: 271-846-8 EC Index-No.: 603-103-00-4 REACH-no: 01-2119454392- 40	≥ 5 – < 15	Skin Irrit. 2, H315 Skin Sens. 1, H317 Repr. 1B, H360F

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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Bis(isopropyl)naphthalene	CAS-No.: 38640-62-9 EC-No.: 254-052-6 REACH-no: 01-2119565150- 48	≥ 5 – < 10	Asp. Tox. 1, H304 Aquatic Chronic 1, H410 (M=1)
Cashew nutshell extract	CAS-No.: 8007-24-7 EC-No.: 232-355-4 REACH-no: 01-2119502450- 57	≥3-<5	Acute Tox. 4 (Oral), H302 (ATE=500 mg/kg bodyweight) Acute Tox. 4 (Dermal), H312 (ATE=1100 mg/kg bodyweight) Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1A, H317

Specific concentration limits:			
Name	Product identifier	Specific concentration limits	
Bis[4-(2,3-epoxypropoxy)phenyl]propane	CAS-No.: 1675-54-3 EC-No.: 216-823-5 EC Index-No.: 603-073-00-2 REACH-no: 01-2119456619- 26	( 5 ≤C ≤ 100) Skin Irrit. 2, H315 ( 5 ≤C ≤ 100) Eye Irrit. 2, H319	

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

SECTION 4: First aid measures	
4.1. Description of first aid measures	
First-aid measures general	: Take off all contaminated clothing and wash its before reuse.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. If you feel unwell, seek medical advice.
First-aid measures after skin contact	: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. If skin irritation or rash occurs: Get medical advice/attention.
First-aid measures after eye contact	: Immediately rinse with water for a prolonged period while holding the eyelids wide open. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Rinse mouth out with water. Do not induce vomiting. Get medical advice/attention if you feel unwell.
4.2. Most important symptoms and effects,	both acute and delayed
Symptoms/effects after inhalation	: May cause irritation to the respiratory tract, sneezing, coughing, burning sensation of throat with constricting sensation of the larynx and difficulty in breathing.
Symptoms/effects after skin contact	: irritation (itching, redness, blistering).
Symptoms/effects after eye contact	: Causes eye irritation. redness, itching, tears.
Symptoms/effects after ingestion	: May cause irritation to the digestive tract. May cause redness and soreness of the mouth and throat. Corrosive burns may appear around the lips.

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

Treat symptomatically.

SECTION 5: Firefighting measures	
5.1. Extinguishing media	

Suitable extinguishing media

: Carbon dioxide (CO2). Dry powder. Water fog. Alcohol-resistant foam.

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Unsuitable extinguishing media	: Do not use water jet to extinguish.		
5.2. Special hazards arising from the substance or mixture			
Fire hazard	: In case of fire and/or explosion do not breathe fumes. On burning: release of toxic gases/vapours. Carbon oxides (CO, CO2).		
5.3. Advice for firefighters			
Firefighting instructions Protection during firefighting	<ul> <li>Control run-off water by containing and keeping it out of sewers and watercourses.</li> <li>Use self-contained breathing apparatus and chemically protective clothing.</li> </ul>		

SECTION 6: Accidental release measures		
6.1. Personal precautions, protective equipment and emergency procedures		
6.1.1. For non-emergency personnel Protective equipment Emergency procedures	: Wear recommended personal protective equipment. : Ventilate spillage area. No flames, no sparks. Eliminate all sources of ignition.	
6.1.2. For emergency responders No additional information available		
6.2. Environmental precautions		
Avoid release to the environment. Contain the spilled material by bunding.		
6.3. Methods and material for containment and cleaning up		

Methods for cleaning up	: Take up liquid spill into absorbent material. Take up mechanically (sweeping, shovelling)
	and collect in suitable container for disposal. This material and its container must be
	disposed of in a safe way, and as per local legislation.
Other information	: Dispose of materials or solid residues at an authorized site.
6.4. Reference to other sections	

For further information refer to section 8: "Exposure controls/personal protection". For further information refer to section 13.

SECTION 7: Handling and stora	ge	
7.1. Precautions for safe handling		
Precautions for safe handling	: Provide local exhaust or general room ventilation. Avoid contact with skin and eyes. Contaminated work clothing should not be allowed out of the workplace. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and wher leaving work.	
7.2. Conditions for safe storage, including any incompatibilities		
Storage conditions	: Store in a well-ventilated place. Keep cool. Keep only in original container. Store in a dry	

place. Store in a closed container.

#### 7.3. Specific end use(s)

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

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

#### 8.1.1 National occupational exposure and biological limit values

No additional information available

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#### 8.1.2. Recommended monitoring procedures

No additional information available

#### 8.1.3. Air contaminants formed

No additional information available

#### 8.1.4. DNEL and PNEC

OXIRANE, MONO [(C12-14- ALKYLOXY)METHYL] DERIVS (68609-97-2)				
DNEL/DMEL (Workers)				
Acute - systemic effects, dermal	17 mg/kg bw/day			
Acute - systemic effects, inhalation	29 mg/kg bw/day			
Acute - local effects, dermal	68 mg/kg bw/day			
Acute - local effects, inhalation	9.8 mg/kg bw/day			
Long-term - systemic effects, dermal	3.9 mg/kg bodyweight/day			
Long-term - local effects, dermal	1.7 mg/kg bw/day			
Long-term - systemic effects, inhalation	13.8 mg/m³			
Long-term - local effects, inhalation	0.98 mg/m³			
DNEL/DMEL (General population)				
Acute - systemic effects, dermal	10 mg/kg bw/day			
Acute - systemic effects, inhalation	7.6 mg/kg bw/day			
Acute - systemic effects, oral	1219 mg/kg bw/day			
Acute - local effects, dermal	40 mg/kg bw/day			
Acute - local effects, inhalation	2.9 mg/m³			
Long-term - systemic effects,oral	1 mg/kg bodyweight/day			
Long-term - systemic effects, inhalation	4.1 mg/m³			
Long-term - systemic effects, dermal	2.35 mg/kg bodyweight/day			
Long-term - local effects, dermal	1 mg/kg bw/day			
Long-term - local effects, inhalation	1.46 mg/m³			
PNEC (Water)				
PNEC aqua (freshwater)	0.0072 mg/l			
PNEC aqua (marine water)	0.00072 mg/l			
PNEC aqua (intermittent, freshwater)	0.072 mg/l			
PNEC (Sediment)				
PNEC sediment (freshwater)	66.77 mg/kg dwt			
PNEC sediment (marine water)	6.677 mg/kg dwt			
PNEC (Soil)				
PNEC soil	80.12 mg/kg dwt			
PNEC (STP)				
PNEC sewage treatment plant	10 mg/l			
OCTAMETHYLCYCLOTETRASILOXANE (556-67-2)				
DNEL/DMEL (Workers)				
Long-term - systemic effects, inhalation	73 mg/m³			

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Long-term - local effects, inhalation73 mg/m²DNEL/DEL (General population)Long-term - systemic effects, inhalation13 mg/m²Long-term - systemic effects, inhalation13 mg/m²PNEC (Water)15 µg/lPNEC aqua (Insthwater)0.5 µg/lPNEC aqua (Insthwater)0.5 µg/lPNEC aqua (Insthwater)3 mg/kg dwtPNEC sediment (Insthwater)0.3 mg/kg dwtPNEC addiment (Insthwater)0.4 mg/kg dwtPNEC addiment (Insthwater)14 mg/kg foodPNEC addi (secondary poisoning)41 mg/kg foodPNEC addi (secondary poisoning)14 mg/kg foodPNEC addi (secondary poisoning)10 mg/lPNEC addi (secondary poisoning)22 mg/kg bodyweight/dayCong-term - systemic effeck, dermal22 mg/kg bodyweight/dayLong-term - systemic effeck, adermal10 mg/lPNEC addi (meshwater)1 mg/lPNEC addi (meshwater)0.01 mg/lPNEC addi (meshwater)0.01 mg/lPNEC addi (meshwater)0.02 mg/l<	OCTAMETHYLCYCLOTETRASILOXANE (556-	67-2)			
Long-term - systemic effects, inhalation         13 mg/m²           Long-term - systemic effects, inhalation         13 mg/m²           PNEC (water)         15 µg/l           PNEC (water)         1.5 µg/l           PNEC aqua (marine water)         0.15 µg/l           PNEC aqua (marine water)         3 mg/kg dwl           PNEC second (resinvater)         3 mg/kg dwl           PNEC second (resinvater)         0.3 mg/kg dwl           PNEC second (resinvater)         0.4 mg/kg food           PNEC (ran)            PNEC second (resinvater)         10 mg/l           PNEC second (resinvater)         10 mg/l           PNEC second (resinvater)         7.9 mg/m²           PNEC second (resinvater)         0.1 mg/l           PNEC second (resinvater)         0.14 mg/kg dwl	Long-term - local effects, inhalation	73 mg/m³			
Long-term - systemic effects, inhalation         13 mg/m³           Long-term - local effects, inhalation         13 mg/m³           PNEC qua (freshwater)         1.5 µg/l           PNEC aqua (freshwater)         0.15 µg/l           PNEC gediment(marine water)         0.15 µg/l           PNEC sediment (freshwater)         3 mg/kg dwt           PNEC sediment (marine water)         0.3 mg/kg dwt           PNEC sediment (marine water)         0.54 mg/kg dwt           PNEC (Seliment)         Desceree (Seliment)           PNEC sediment (marine water)         0.54 mg/kg dwt           PNEC (Seliment)         Descere (Seliment)           PNEC (Seliment)         0.54 mg/kg dwt           PNEC (Seliment)         0.54 mg/kg dwt           PNEC (Seliment)         0.54 mg/kg dwt           PNEC (Seliment)         10 mg/l           PNEC (Seliment)         10 mg/l           PNEC (Seliment)         10 mg/l           PNEC (Seliment)         7.9 mg/m³           PNEC (Seliment)         1.1 mg/l	DNEL/DMEL (General population)				
Long-term - local effects, inhalation         13 mg/m³           PNEC (water)         1.5 µg/l           PNEC aqua (marine water)         0.5 µg/l           PNEC aqua (marine water)         3 mg/kg dwl           PNEC addment (freshwater)         3 mg/kg dwl           PNEC addment (marine water)         0.3 mg/kg dwl           PNEC sediment (marine water)         0.3 mg/kg dwl           PNEC sediment (marine water)         0.54 mg/kg dwl           PNEC (sol)         0.54 mg/kg dwl           PNEC oral (secondary poisoning)         41 mg/kg food           PNEC oral (secondary poisoning)         41 mg/kg food           PNEC (sol)         0 mg/l           PNEC oral (secondary poisoning)         14 mg/kg food           PNEC (sol)         0 mg/l           PNEC (sol)         0 mg/l           PNEC oral (secondary poisoning)         14 mg/kg food           PNEC (sol)         0 mg/l           PNEC (sol)         7.9 mg/m²           PNEC Marine 'systemic effects, inhalation         7.9 mg/m²           PNEC daqua (reshwater)         0.1 mg/l           PNEC aqua (reshwa	Long-term - systemic effects,oral	3.7 mg/kg bodyweight/day			
PNEC (water)         1.5 µgl           PNEC aqua (marine water)         0.15 µgl           PNEC aqua (marine water)         0.15 µgl           PNEC sediment (reshwater)         3 mg/kg dwt           PNEC sediment (reshwater)         0.3 mg/kg dwt           PNEC sediment (reshwater)         0.3 mg/kg dwt           PNEC sediment (reshwater)         0.3 mg/kg dwt           PNEC sedi         0.54 mg/kg dwt           PNEC (soli)         0.54 mg/kg dwt           PNEC sedi         0.54 mg/kg dwt           PNEC sedi         0.54 mg/kg dwt           PNEC (soli)         0.54 mg/kg dwt           PNEC sedi         0.54 mg/kg dwt           PNEC (soli)         0.54 mg/kg dwt           PNEC (soli)         0.54 mg/kg dwt           PNEC sedi (secondary poisoning)         41 mg/kg food           PNEC sedi (secondary poisoning)         1 mg/kg food           PNEC sedi (set/secondary poisoning)         2 25 mg/kg bodyweight/day           Long-lern - systemic effects, inhalation         7 9 mg/ra           PNEC aqua (restructer)         0 1 mg/l           PNEC aqua (restru	Long-term - systemic effects, inhalation	13 mg/m³			
PNEC aqua (reshwater)         1.5 µg/l           PNEC aqua (marine water)         0.15 µg/l           PNEC (Sediment)         3 mg/kg dwl           PNEC sediment (reshwater)         3 mg/kg dwl           PNEC sediment (marine water)         0.3 mg/kg dwl           PNEC sediment (marine water)         0.3 mg/kg dwl           PNEC (Stol)            PNEC sol         0.54 mg/kg dwl           PNEC (Stol)            PNEC oral (secondary polsoning)         41 mg/kg food           PNEC (STP)            PNEC (Stol)            PNEL/DMEL (Workers)            Long-term - systemic effects, inhalation         7.9 mg/m²           PNEC aqua (freshwater)         0.1 mg/l           PNEC aqua (marine water)         0.41 mg/kg dwl           PNEC sediment (freshwater)         4.43 mg/kg dwl           PNEC sediment (marine water)         0.423 mg/kg dwl           PNEC sediment (marine water)         0.433 mg/kg dwl           PNEC sediment (marine water)         0.423 mg/kg dwl           PNEC sediment (marine water)	Long-term - local effects, inhalation	13 mg/m³			
PNEC aqua (maine water)         0.15 µg/l           PNEC sediment)         3 mg/kg dwt           PNEC sediment (maine water)         3 mg/kg dwt           PNEC sediment (maine water)         0.84 mg/kg dwt           PNEC soll         0.84 mg/kg food           PNEC soll         10 mg/l           1.Merkylinidazole (616-47-7)         DNEL/DMEL (Workers)           DNEL/DMEL (Workers)         225 mg/kg bodyweight/day           Long-term - systemic effects, inhalation         7 9 mg/m²           PNEC aqua (freshwater)         0.11 mg/l           PNEC aqua (maine water)         0.01 mg/l           PNEC aqua (maine water)         0.11 mg/l           PNEC aqua (maine water)         0.11 mg/l           PNEC aqua (maine water)         0.43 mg/kg dwt           PNEC soll         0.43 mg/kg dwt           PNEC soll         0.825 mg/kg dwt           PNEC soll         0.825 mg/kg dwt           PNEC soll         0.825 mg/kg dwt           PNEC soll         0.836 mg/l           PNEC soll         0.825 mg/kg dwt	PNEC (Water)				
PNEC (sediment)         3 mg/kg dwt           PNEC sediment (marine water)         0.3 mg/kg dwt           PNEC (soli)         0.54 mg/kg dwt           PNEC (soli)         0 mg/l           PNEC (soli)         0 mg/l           PNEC (soli)         2.25 mg/kg bodyweight/day           Long-term - systemic effects, dermal         2.25 mg/kg bodyweight/day           Long-term - systemic effects, inhalation         7.9 mg/m³           PNEC (aqua (fineshwater)         0.1 mg/l           PNEC aqua (fineshwater)         0.1 mg/l           PNEC aqua (fineshwater)         1 mg/kg dwt           PNEC sediment (freshwater)         0.443 mg/kg dwt           PNEC sediment (marine water)         0.443 mg/kg dwt           PNEC sediment (marine water)         689.6 mg/l           Bis(isopropyl)naphthalene (38840-82-9)         Seso mg/l           PNEC sedig teatment	PNEC aqua (freshwater)	1.5 µg/l			
PNEC sediment (freshwater)         3 mg/kg dwt           PNEC sediment (marine water)         0.3 mg/kg dwt           PNEC (Soll)         0.54 mg/kg dwt           PNEC soll         0.54 mg/kg dwt           PNEC (Soll)         1 mg/kg food           PNEC oral (secondary poisoning)         41 mg/kg food           PNEC oral (secondary poisoning)         10 mg/l           PNEC sewage treatment plant         10 mg/l           1-Methylimidazole (616-47-7)         DNEL/DMEL (Workers)           DNEL/DMEL (Workers)         2.25 mg/kg bodyweight/day           Long-term - systemic effects, inhalation         7.9 mg/m <sup>3</sup> PNEC aqua (freshwater)         0.1 mg/l           PNEC aqua (intermittent, freshwater)         1 mg/l           PNEC sediment (marine water)         0.01 mg/l           PNEC sediment (marine water)         0.43 mg/kg dwt           PNEC sediment (marine water)         0.43 mg/kg dwt           PNEC sediment (marine water)         6.825 mg/kg dwt           PNEC sediment (marine (38640-62-9)         D	PNEC aqua (marine water)	0.15 µg/l			
PNEC sediment (maine water)         0.3 mg/kg dwt           PNEC (Soli)         0.54 mg/kg dwt           PNEC soli         0.54 mg/kg dwt           PNEC oral (secondary poisoning)         41 mg/kg food           PNEC (STP)         PNEC (STP)           PNEC sewage treatment plant         10 mg/l           1-Methyllmidazole (816-47-7)         DNEL/DMEL (Workers)           Long-term - systemic effects, dermal         2.25 mg/kg bodyweight/day           Long-term - systemic effects, inhalation         7.9 mg/m²           PNEC (Water)         0.1 mg/l           PNEC aqua (freshwater)         0.1 mg/l           PNEC aqua (marine water)         0.01 mg/l           PNEC aqua (intermittent, freshwater)         1 mg/l           PNEC Sediment (marine water)         0.43 mg/kg dwt           PNEC (Soli)         0.825 mg/kg dwt           PNEC (Soli)         0.825 mg/kg dwt           PNEC (Soli)         589 6 mg/l           Bls((sopropyl)naphthalene (38640-62-9)         DNEL/DMEL (Workers)           DNEL/DMEL (Workers)         2.38 mg/kg bodyweight/day           <	PNEC (Sediment)				
PNEC (Soil)         0.54 mg/kg dwt           PNEC (Oral)         41 mg/kg food           PNEC oral (secondary poisoning)         41 mg/kg food           PNEC (STP)            PNEC sewage treatment plant         10 mg/l           1-Methylimidazole (616-47-7)            DNEL/OMEL (Workers)            Long-term - systemic effects, dermal         2.25 mg/kg bodyweight/day           Long-term - systemic effects, inhalation         7.9 mg/m³           PNEC (Water)            PNEC aqua (freshwater)         0.1 mg/l           PNEC aqua (intermittent, freshwater)         0.01 mg/l           PNEC aqua (intermittent, freshwater)         0.01 mg/l           PNEC sediment (freshwater)         0.43 mg/kg dwt           PNEC sediment (freshwater)         0.443 mg/kg dwt           PNEC sediment (marine water)         0.825 mg/kg dwt           PNEC Soil         0.825 mg/kg bodyweight/day           PNEC sewage treatment plant         589.6 mg/l           Bis(isopropyl)napht	PNEC sediment (freshwater)	3 mg/kg dwt			
PNEC soil         0.54 mg/kg dwt           PNEC (oral)         41 mg/kg food           PNEC soral (secondary poisoning)         10 mg/l           1-Methylimidazole (616-47-7)         DNEL/DMEL (Workers)           Long-term - systemic effects, dermal         2.25 mg/kg bodyweight/day           Long-term - systemic effects, inhalation         7.9 mg/m³           PNEC qua (freshwater)         0.1 mg/l           PNEC aqua (freshwater)         0.1 mg/l           PNEC aqua (intermitent, freshwater)         0.1 mg/l           PNEC aqua (intermitent, freshwater)         0.1 mg/l           PNEC soli (sediment)         0.443 mg/kg dwt           PNEC soli (sediment (marine water))         0.443 mg/kg dwt           PNEC soli         0.825 mg/kg dwt           PNEC soli         0.825 mg/kg dwt           PNEC soli         0.825 mg/kg dwt           PNEC soli (seporopyl)naphthalene (38640-62-9)         S8.6 mg/l           DNEL/DMEL (Workers)         S8.8 mg/kg bodyweight/day           Long-term - systemic effects, inhalation	PNEC sediment (marine water)	0.3 mg/kg dwt			
PNEC (oral)         41 mg/kg food           PNEC oral (secondary poisoning)         41 mg/kg food           PNEC (STP)         10 mg/l           PNEC sewage treatment plant         10 mg/l           1-Methylimidazole (616-47-7)         DNELDMEL (Workers)           Long-term - systemic effects, dermal         2.25 mg/kg bodyweight/day           Long-term - systemic effects, inhalation         7.9 mg/m <sup>a</sup> PNEC (Water)         0.1 mg/l           PNEC aqua (intermittent, freshwater)         0.1 mg/l           PNEC aqua (intermittent, freshwater)         1 mg/l           PNEC Sediment)         4.43 mg/kg dwt           PNEC sediment (marine water)         0.443 mg/kg dwt           PNEC soll         0.825 mg/kg dwt           PNEC sewage treatment plant         S89.6 mg/l           Bis(isopropyl)naphthalene (38640-62-9)         DNEL/DMEL (Workers)           Long-term - systemic effects, emral         2.38 mg/kg bodyweigh	PNEC (Soil)				
PNEC oral (secondary poisoning)         41 mg/kg food           PNEC (STP)         I0 mg/l           PNEC sewage treatment plant         10 mg/l           1-Methylimidazole (616-47-7)         DNEL/DMEL (Workers)           Long-term - systemic effects, dermal         2.25 mg/kg bodyweight/day           Long-term - systemic effects, inhalation         7.9 mg/m³           PNEC (Water)         0.1 mg/l           PNEC aqua (freshwater)         0.1 mg/l           PNEC aqua (intermittent, freshwater)         1 mg/l           PNEC sediment)         0.443 mg/kg dwt           PNEC sediment (marine water)         0.425 mg/kg dwt           PNEC sediment (marine water)         0.825 mg/kg dwt           PNEC soli         0.825 mg/kg dwt           PNEC soli         0.825 mg/kg dwt           PNEC soli         0.825 mg/kg dwt           PNEC sewage treatment plant         589.6 mg/l           Bis(isopropyl)naphthalene (38640-62-9)         Event settement plant           DNEL/DMEL (Workers)         2.38 mg/kg dwdy           Long-term - systemic effects, dermal         2.38 mg/kg dwyeight/day           DNEL/DMEL (General population)         2.48 mg/m³	PNEC soil	0.54 mg/kg dwt			
PNEC (STP)         I0 mg/l           1-Methylimidazole (616-47-7)         DNEL/DMEL (Workers)           Long-term - systemic effects, dermal         2.25 mg/kg bodyweight/day           Long-term - systemic effects, inhalation         7.9 mg/m³           PNEC (Water)         0.1 mg/l           PNEC aqua (freshwater)         0.1 mg/l           PNEC aqua (intermittent, freshwater)         0.1 mg/l           PNEC aqua (intermittent, freshwater)         1 mg/l           PNEC sediment (freshwater)         0.443 mg/kg dwt           PNEC sediment (freshwater)         0.443 mg/kg dwt           PNEC sediment (marine water)         0.825 mg/kg dwt           PNEC sewage treatment plant         589.6 mg/l           Bis(isopropyl)naphthalene (38640-62-9)         DNEL/DMEL (Workers)           DNLD/DMEL (Workers)         2.38 mg/kg bodyweight/day           Long-term - systemic effects, dermal         2.38 mg/kg bodyweight/day           Long-term - systemic effects, dermal         2.38 mg/kg bodyweight/day           Long-term - systemic effects, dermal         2.38 mg/kg bodyweight/day	PNEC (Oral)				
PNEC sewage treatment plant         10 mg/l           1-Methylimidazole (616-47-7)           DNEL/DMEL (Workers)           Long-term - systemic effects, dermal         2.25 mg/kg bodyweight/day           Long-term - systemic effects, inhalation         7.9 mg/m³           PNEC (Water)         0.1 mg/l           PNEC aqua (freshwater)         0.1 mg/l           PNEC aqua (intermittent, freshwater)         0.01 mg/l           PNEC sediment)         10 mg/l           PNEC sediment (freshwater)         4.43 mg/kg dwt           PNEC sediment (marine water)         0.443 mg/kg dwt           PNEC sediment (marine water)         0.825 mg/kg dwt           PNEC sediment (marine water)         0.825 mg/kg dwt           PNEC soil         0.825 mg/kg dwt           PNEC soil         0.825 mg/kg dwt           PNEC sewage treatment plant         589.6 mg/l           Bis(isopropyl)naphthalene (38640-62-9)         Eisemet Sewage treatment plant           DNEL/DMEL (Workers)         2.38 mg/kg bodyweight/day           Long-term - systemic effects, inhalation         8.4 mg/m²           DNEL/DMEL (General population)         4.4 mg/m²	PNEC oral (secondary poisoning)	41 mg/kg food			
1-Methylimidazole (616-47-7)         DNEL/DMEL (Workers)         Long-term - systemic effects, dermal       2.25 mg/kg bodyweight/day         Long-term - systemic effects, inhalation       7.9 mg/m³         PNEC (Water)       0.1 mg/l         PNEC aqua (freshwater)       0.1 mg/l         PNEC aqua (marine water)       0.01 mg/l         PNEC aqua (intermittent, freshwater)       1 mg/l         PNEC sediment (freshwater)       4.43 mg/kg dwt         PNEC sediment (marine water)       0.443 mg/kg dwt         PNEC sediment (marine water)       0.825 mg/kg dwt         PNEC soli       0.825 mg/kg dwt         PNEC soli       0.825 mg/kg dwt         PNEC sewage treatment plant       589.6 mg/l         Bis(isopropyl)naphthalene (38640-62-9)       DNEL/DMEL (Workers)         Long-term - systemic effects, dermal       2.38 mg/kg bodyweight/day         Long-term - systemic effects, inhalation       8.4 mg/m³         DNEL/DMEL (General population)       8.4 mg/m³	PNEC (STP)				
DNEL/DMEL (Workers)         2.25 mg/kg bodyweight/day           Long-term - systemic effects, inhalation         7.9 mg/m³           PNEC (Water)         0.1 mg/n³           PNEC aqua (freshwater)         0.1 mg/l           PNEC aqua (intermittent, freshwater)         0.01 mg/l           PNEC sequa (intermittent, freshwater)         1 mg/l           PNEC sediment)         0.443 mg/kg dwt           PNEC sediment (freshwater)         0.443 mg/kg dwt           PNEC soli         0.825 mg/kg dwt           PNEC soli         0.825 mg/kg dwt           PNEC soli         589.6 mg/l           Bis(isopropyl)naphthalene (38640-62-9)         589.6 mg/l           DNEL/DMEL (Workers)         2.38 mg/kg bodyweight/day           Long-term - systemic effects, inhalation         8.4 mg/m³           DNEL/DMEL (General population)         5.38 mg/kg bodyweight/day	PNEC sewage treatment plant	10 mg/l			
Long-term - systemic effects, inhalation       2.25 mg/kg bodyweight/day         Long-term - systemic effects, inhalation       7.9 mg/m³         PNEC (Water)       0.1 mg/l         PNEC aqua (freshwater)       0.1 mg/l         PNEC aqua (intermittent, freshwater)       1 mg/l         PNEC sediment)       1 mg/l         PNEC sediment (freshwater)       4.43 mg/kg dwt         PNEC sediment (marine water)       0.443 mg/kg dwt         PNEC sediment (marine water)       0.825 mg/kg dwt         PNEC soli       0.825 mg/kg dwt         PNEC soli       0.825 mg/kg dwt         PNEC sediment plant       589.6 mg/l         Bis(isopropyl)naphthalene (38640-62-9)       DNEL/DMEL (Workers)         Long-term - systemic effects, inhalation       2.38 mg/kg bodyweight/day         Long-term - systemic effects, inhalation       8.4 mg/m³	1-Methylimidazole (616-47-7)				
Long-term - systemic effects, inhalation       7.9 mg/m³         PNEC (Water)       0.1 mg/l         PNEC aqua (freshwater)       0.1 mg/l         PNEC aqua (marine water)       0.01 mg/l         PNEC aqua (intermittent, freshwater)       1 mg/l         PNEC sediment (freshwater)       4.43 mg/kg dwt         PNEC sediment (freshwater)       0.443 mg/kg dwt         PNEC sediment (marine water)       0.825 mg/kg dwt         PNEC soil       0.825 mg/kg dwt         PNEC sevage treatment plant       589.6 mg/l         Bis(isopropyl)naphthalene (38640-62-9)       DNEL/DMEL (Workers)         Long-term - systemic effects, dermal       2.38 mg/kg bodyweight/day         Long-term - systemic effects, inhalation       8.4 mg/m³         DNEL/DMEL (General population)       6.4 mg/m³	DNEL/DMEL (Workers)				
PNEC (Water)       0.1 mg/l         PNEC aqua (freshwater)       0.01 mg/l         PNEC aqua (marine water)       0.01 mg/l         PNEC aqua (intermittent, freshwater)       1 mg/l         PNEC (Sediment)       1 mg/l         PNEC sediment (freshwater)       4.43 mg/kg dwt         PNEC sediment (marine water)       0.443 mg/kg dwt         PNEC sediment (marine water)       0.443 mg/kg dwt         PNEC sediment (marine water)       0.825 mg/kg dwt         PNEC soil       0.825 mg/kg dwt         PNEC soil       0.825 mg/kg dwt         PNEC sediment plant       589.6 mg/l         Bis(isopropyl)naphthalene (38640-62-9)       DNEL/DMEL (Workers)         Long-term - systemic effects, dermal       2.38 mg/kg bodyweight/day         Long-term - systemic effects, inhalation       8.4 mg/m <sup>3</sup> DNEL/DMEL (General population)       0.41 mg/m <sup>3</sup>	Long-term - systemic effects, dermal	2.25 mg/kg bodyweight/day			
PNEC aqua (freshwater)       0.1 mg/l         PNEC aqua (marine water)       0.01 mg/l         PNEC aqua (intermittent, freshwater)       1 mg/l         PNEC (Sediment)       1 mg/l         PNEC (Sediment)       4.43 mg/kg dwt         PNEC sediment (freshwater)       4.43 mg/kg dwt         PNEC sediment (marine water)       0.443 mg/kg dwt         PNEC (Soil)       0.825 mg/kg dwt         PNEC soil       0.825 mg/kg dwt         PNEC (Str)       S89.6 mg/l         Bis(isopropyl)naphthalene (38640-62-9)       DNEL/DMEL (Workers)         Long-term - systemic effects, inhalation       8.4 mg/m <sup>a</sup> DNEL/DMEL (General population)       9.43 mg/kg bodyweight/day	Long-term - systemic effects, inhalation	7.9 mg/m³			
PNEC aqua (marine water)       0.01 mg/l         PNEC aqua (intermittent, freshwater)       1 mg/l         PNEC (Sediment)          PNEC sediment (freshwater)       4.43 mg/kg dwt         PNEC sediment (marine water)       0.443 mg/kg dwt         PNEC (Soil)          PNEC soil       0.825 mg/kg dwt         PNEC soil       0.825 mg/kg dwt         PNEC (STP)          PNEC sewage treatment plant       589.6 mg/l         Bis(isopropyl)naphthalene (38640-62-9)          DNEL/DMEL (Workers)       2.38 mg/kg bodyweight/day         Long-term - systemic effects, dermal       2.38 mg/ma         DNEL/DMEL (General population)       8.4 mg/ma	PNEC (Water)				
PNEC aqua (intermittent, freshwater)       1 mg/l         PNEC (Sediment)          PNEC sediment (freshwater)       4.43 mg/kg dwt         PNEC sediment (marine water)       0.443 mg/kg dwt         PNEC (Soil)          PNEC soil       0.825 mg/kg dwt         PNEC (Strp)          PNEC sewage treatment plant       589.6 mg/l         Bis(isopropyl)naphthalene (38640-62-9)          DNEL/DMEL (Workers)          Long-term - systemic effects, dermal       2.38 mg/kg bodyweight/day         Long-term - systemic effects, inhalation       8.4 mg/m <sup>3</sup> DNEL/DMEL (General population)	PNEC aqua (freshwater)	0.1 mg/l			
PNEC (Sediment)       4.43 mg/kg dwt         PNEC sediment (freshwater)       4.43 mg/kg dwt         PNEC sediment (marine water)       0.443 mg/kg dwt         PNEC (Soil)       0.443 mg/kg dwt         PNEC (Soil)       0.825 mg/kg dwt         PNEC (STP)       0.825 mg/kg dwt         PNEC sewage treatment plant       589.6 mg/l         Bis(isopropyl)naphthalene (38640-62-9)       DNEL/DMEL (Workers)         Long-term - systemic effects, dermal       2.38 mg/kg bodyweight/day         Long-term - systemic effects, inhalation       8.4 mg/m <sup>3</sup>	PNEC aqua (marine water)	0.01 mg/l			
PNEC sediment (freshwater)       4.43 mg/kg dwt         PNEC sediment (marine water)       0.443 mg/kg dwt         PNEC (Soil)       0.825 mg/kg dwt         PNEC soil       0.825 mg/kg dwt         PNEC (STP)       PNEC sewage treatment plant         Bis(isopropyl)naphthalene (38640-62-9)       589.6 mg/l         DNEL/DMEL (Workers)       2.38 mg/kg bodyweight/day         Long-term - systemic effects, inhalation       8.4 mg/m <sup>3</sup> DNEL/DMEL (General population)	PNEC aqua (intermittent, freshwater)	1 mg/l			
PNEC sediment (marine water)       0.443 mg/kg dwt         PNEC (Soil)       0.825 mg/kg dwt         PNEC soil       0.825 mg/kg dwt         PNEC (STP)       589.6 mg/l         Bis(isopropyl)naphthalene (38640-62-9)       589.6 mg/l         DNEL/DMEL (Workers)       2.38 mg/kg bodyweight/day         Long-term - systemic effects, dermal       8.4 mg/m³         DNEL/DMEL (General population)       9.1000000000000000000000000000000000000	PNEC (Sediment)				
PNEC (Soil)       0.825 mg/kg dwt         PNEC soil       0.825 mg/kg dwt         PNEC (STP)       589.6 mg/l         PNEC sewage treatment plant       589.6 mg/l         Bis(isopropyl)naphthalene (38640-62-9)       DNEL/DMEL (Workers)         Long-term - systemic effects, dermal       2.38 mg/kg bodyweight/day         Long-term - systemic effects, inhalation       8.4 mg/m³         DNEL/DMEL (General population)       5.50 mg/l	PNEC sediment (freshwater)	4.43 mg/kg dwt			
PNEC soil       0.825 mg/kg dwt         PNEC (STP)          PNEC sewage treatment plant       589.6 mg/l         Bis(isopropyl)naphthalene (38640-62-9)          DNEL/DMEL (Workers)          Long-term - systemic effects, dermal       2.38 mg/kg bodyweight/day         Long-term - systemic effects, inhalation       8.4 mg/m <sup>3</sup>	PNEC sediment (marine water)	0.443 mg/kg dwt			
PNEC (STP)       PNEC sewage treatment plant     589.6 mg/l       Bis(isopropyl)naphthalene (38640-62-9)       DNEL/DMEL (Workers)       Long-term - systemic effects, dermal     2.38 mg/kg bodyweight/day       Long-term - systemic effects, inhalation     8.4 mg/m <sup>3</sup> DNEL/DMEL (General population)	PNEC (Soil)				
PNEC sewage treatment plant       589.6 mg/l         Bis(isopropyl)naphthalene (38640-62-9)       DNEL/DMEL (Workers)         DNEL/DMEL (Workers)       2.38 mg/kg bodyweight/day         Long-term - systemic effects, dermal       2.38 mg/kg bodyweight/day         Long-term - systemic effects, inhalation       8.4 mg/m <sup>3</sup> DNEL/DMEL (General population)	PNEC soil	0.825 mg/kg dwt			
Bis(isopropyl)naphthalene (38640-62-9)       DNEL/DMEL (Workers)       Long-term - systemic effects, dermal     2.38 mg/kg bodyweight/day       Long-term - systemic effects, inhalation     8.4 mg/m³       DNEL/DMEL (General population)	PNEC (STP)				
DNEL/DMEL (Workers)         Long-term - systemic effects, dermal       2.38 mg/kg bodyweight/day         Long-term - systemic effects, inhalation       8.4 mg/m³         DNEL/DMEL (General population)	PNEC sewage treatment plant	589.6 mg/l			
Long-term - systemic effects, dermal       2.38 mg/kg bodyweight/day         Long-term - systemic effects, inhalation       8.4 mg/m³         DNEL/DMEL (General population)	Bis(isopropyl)naphthalene (38640-62-9)				
Long-term - systemic effects, inhalation     8.4 mg/m³       DNEL/DMEL (General population)	DNEL/DMEL (Workers)				
DNEL/DMEL (General population)	Long-term - systemic effects, dermal	2.38 mg/kg bodyweight/day			
	Long-term - systemic effects, inhalation	8.4 mg/m³			
Long-term - systemic effects,oral 0.85 mg/kg bodyweight/day	DNEL/DMEL (General population)				
	Long-term - systemic effects,oral	0.85 mg/kg bodyweight/day			

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Bis(isopropyl)naphthalene (38640-62-9) Long-term - systemic effects, inhalation			
Leven terms existencia effects demonal	1.48 mg/m <sup>3</sup>		
Long-term - systemic effects, dermal	0.85 mg/kg bodyweight/day		
PNEC (Water)	0.000000 m m		
PNEC aqua (freshwater)	0.000236 mg/l		
PNEC aqua (marine water)	0.0000236 mg/l		
PNEC (Sediment)			
PNEC sediment (freshwater)	0.853 mg/kg dwt		
PNEC sediment (marine water)	0.0853 mg/kg dwt		
PNEC (Soil)			
PNEC soil	0.171 mg/kg dwt		
PNEC (Oral)			
PNEC oral (secondary poisoning)	25 mg/kg food		
PNEC (STP)	T		
PNEC sewage treatment plant	0.15 mg/l		
Cashew nutshell extract (8007-24-7)			
DNEL/DMEL (Workers)			
Long-term - systemic effects, dermal	0.5 mg/kg bw/day		
Long-term - systemic effects, inhalation	0.88 mg/m³		
DNEL/DMEL (General population)			
Long-term - systemic effects,oral	0.25 mg/kg bw/day		
Long-term - local effects, dermal	0.25 mg/kg bw/day		
Long-term - local effects, inhalation	0.2 mg/m <sup>3</sup>		
PNEC (Water)			
PNEC aqua (freshwater)	0.00582 mg/l		
PNEC aqua (marine water)	0.00058 mg/l		
PNEC (Sediment)			
PNEC sediment (freshwater)	0.97 mg/kg wet weight		
PNEC sediment (marine water)	0.088 mg/kg wet weight		
PNEC (Soil)			
PNEC soil	6.71 mg/kg wet weight		
PNEC (Oral)	·		
PNEC oral (secondary poisoning)	10 mg/kg dwt		
PNEC (STP)			
PNEC sewage treatment plant	10 mg/l		
Bis[4-(2,3-epoxypropoxy)phenyl]propane (167	75-54-3)		
DNEL/DMEL (Workers)			
Long-term - systemic effects, dermal	0.75 mg/kg bodyweight/day		
Long-term - systemic effects, inhalation	4.93 mg/m³		

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and [2-(2-[4-(oxiran-2- /leneoxymethylene)]dioxirane (9003-36-5)

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PNEC (STP)	
PNEC sewage treatment plant	10 mg/l
Magsil Star 350 (14807-96-6)	
DNEL/DMEL (Workers)	
Acute - systemic effects, inhalation	2.16 mg/m <sup>3</sup>
Acute - local effects, inhalation	3.6 mg/m <sup>3</sup>
Long-term - systemic effects, dermal	43.2 mg/kg bodyweight/day
Long-term - local effects, dermal	4.54 mg/cm <sup>2</sup>
Long-term - systemic effects, inhalation	2.16 mg/m <sup>3</sup>
Long-term - local effects, inhalation	3.6 mg/m <sup>3</sup>
DNEL/DMEL (General population)	
Acute - systemic effects, inhalation	1.08 mg/m³
Acute - systemic effects, oral	160 mg/kg bodyweight/day
Acute - local effects, inhalation	1.8 mg/m <sup>3</sup>
Long-term - systemic effects,oral	160 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	1.08 mg/m³
Long-term - systemic effects, dermal	21.6 mg/kg bodyweight/day
Long-term - local effects, dermal	2.27 mg/cm <sup>2</sup>
Long-term - local effects, inhalation	1.8 mg/m <sup>3</sup>
PNEC (Water)	
PNEC aqua (freshwater)	597.97 mg/l
PNEC aqua (marine water)	141.26 mg/l
PNEC aqua (intermittent, freshwater)	597.97 mg/l
PNEC aqua (intermittent, marine water)	141.26 mg/l
PNEC (Sediment)	· · · · · · · · · · · · · · · · · · ·
PNEC sediment (freshwater)	31.33 mg/kg dwt
PNEC sediment (marine water)	3.13 mg/kg dwt

#### 8.1.5. Control banding

No additional information available

#### 8.2. Exposure controls

#### 8.2.1. Appropriate engineering controls

#### Appropriate engineering controls:

Provide local exhaust or general room ventilation. In case of insufficient ventilation, wear suitable respiratory equipment.

#### 8.2.2. Personal protection equipment

#### Personal protective equipment:

Gloves. Safety glasses. Protective clothing.

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#### Personal protective equipment symbol(s):



#### 8.2.2.1. Eye and face protection

**Eye protection:** Wear eye protection

#### 8.2.2.2. Skin protection

Skin and body protection: Avoid contact with skin

Hand protection: Standard EN 374 - Protective gloves against chemicals.

#### Other skin protection

Materials for protective clothing: Keep work clothing separately

#### 8.2.2.3. Respiratory protection

#### **Respiratory protection:**

Wear suitable respiratory equipment in case of insufficient ventilation

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

#### Environmental exposure controls:

Avoid release to the environment.

#### **SECTION 9: Physical and chemical properties**

#### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Pigmented.
Odour	: Not available
Odour threshold	: Not available
Melting point	: Not available
Freezing point	: Not available
Boiling point	: Not available
Flammability	: Not available
Explosive limits	: Not available
Lower explosion limit	: Not available
Upper explosion limit	: Not available
Flash point	: Not available
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
рН	: Not available
Viscosity, kinematic	: Not available
Solubility	: Not available
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: Not available
Vapour pressure at 50°C	: Not available
Density	: Not available
Relative density	: Not available
Relative vapour density at 20°C	: Not available
Particle characteristics	: Not applicable

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#### 9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available

#### 9.2.2. Other safety characteristics

No additional information available

#### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

**10.2. Chemical stability** 

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

None under normal use.

**10.4. Conditions to avoid** 

Avoid heat. flames or sparks.

#### 10.5. Incompatible materials

Reactive metals (eg. sodium, calcium, zinc ect). Materials reactive with hydroxyl compounds. Organic acids (e.g. acetic acid, citric acid ect.). Mineral acids, sodium hypochlorite. Product slowly corrodes copper, aluminum, zinc and galvanized surfaces. Reaction with peroxides may result in violent decomposition of peroxide possibly creating an explosion. Oxidizing agent.

#### **10.6. Hazardous decomposition products**

Nitric acid (HNO3). Ammonia, Nitrogen oxides (NOx) Nitrogen oxides can react with water vapour to form corrosive nitric acid, Carbon monoxide (CO), Carbon dioxide (CO2), Aldehydes and flammable hydrocarbon fragments.

#### **SECTION 11: Toxicological information**

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008				
Acute toxicity (dermal)	<ul> <li>Not classified</li> <li>Not classified</li> <li>Not classified</li> </ul>			
OXIRANE, MONO [(C12-14- ALKYLOXY)METH	YL] DERIVS (68609-97-2)			
LD50 dermal rat	> 10000 mg/kg bw/day			
Bis(isopropyl)naphthalene (38640-62-9)				
LD50 oral rat	> 4000 mg/kg			
LD50 dermal rat	> 4500 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Remarks on results: other:			
LC50 Inhalation - Rat	> 5.64 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity)			
Cashew nutshell extract (8007-24-7)				
LD50 oral rat	> 2000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 423 (Acute Oral toxicity - Acute Toxic Class Method)			
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)			

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according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Instruction       Toxicity)         LD50 dermal rat       > 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Der Toxicity)         LD50 dermal rabbit       ≥         Skin corrosion/initiation       : Causes skin irritation.         Serious eye damage/initiation       : Causes skin irritation.         Serious eye damage/initiation       : Causes skin irritation.         Serious eye damage/initiation       : May cause an allergic skin reaction.         Gem cell mutagenicity       : Not classified         BIs[4-(2,3-epoxypropoxy)phonyl]propane (16T>54-3)         NOAEL (chronic, oral, animal/male, 2 years)       15 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 4 (Combined Chronic Toxicity / Carcinogenicity Studies), Guideline: DPA OPPTS 87 (Combined Chronic Toxicity / Carcinogenicity, Studies), Guideline: DPA OPPTS 87 (Combined Chronic Toxicity / Carcinogenicity, Studies), Guideline: DPA OPPTS 87 (Combined Chronic Toxicity / Carcinogenicity, Studies), Guideline: EPA OPPTS 87 (Combined Chronic Toxicity / Carcinogenicity, Studies), Guideline: EPA OPPTS 87 (Combined Chronic Toxicity / Carcinogenicity, Studies), Guideline: EPA OPPTS 87 (Combined Chronic Toxicity / Carcinogenicity, Studies), Guideline: EPA OPTS 87 (Combined Chronic Toxicity / Carcinogenicity, Studies), Guideline: EPA OPTS 87 (Combined Chronic Toxicity / Carcinogenicity, Studies), Guideline: EPA OPTS 87 (Combined Chronic Toxicity / Carcinogenicity, Studies), Guideline: EPA OPTS 87 (Combined Chronic Toxicity / Carcinogenicity, Studies), Guideline: EPA OPTS 87 (Combined Chronic Toxicity / Carcinogenicity, Studies), Guideline: OPTS 87 (Combined Chronic Toxicity / Car	Bis[4-(2,3-epoxypropoxy)phenyl]propane (					
Reaction mass of 2,2*=[methylenebis(4,1-phenyleneoxymethylene)]dioxirane and [2-(2-[4-(oxiran-2- ylimethoxy)benzy[]phenoxy)methyl)oxirane and [2,2*-[methylenebis(2,1-phenyleneoxymethylene)]dioxirane (9003-3)         LD50 oral rat       > 5000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Ora Toxicily)         LD50 dermal rat       > 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Der Toxicily)         LD50 dermal rabbit       >         Skin corrosion/irritation       : Causes serious eye damage.         Respiratory or skin sensilisation       : May cause an allergic skin reaction.         Sem coll mutagenerity       : Not classified         Bis[4-(2,3-epoxypropoxy)phenyl]propane (1675-54-3)         NOAEL (chronic, oral, animal/male, 2 years)       15 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 400 (Combined Chronic Toxicily / Carcinogenicity) Studies), Guideline: DPA OPPTS 87 (Combined Chronic Toxicily / Carcinogenicity) Studies), Guideline: DPA OPPTS 87 (Combined Chronic Toxicily / Carcinogenicity) Studies), Guideline: DPA OPPTS 87 (Combined Chronic Toxicily / Carcinogenicity) Studies), Guideline: DPA OPPTS 87 (Combined Chronic Toxicity / Carcinogenicity), Guideline: DPA OPPTS 87 (Combined Chronic Toxicity / Carcinogenicity), Guideline: DPA OPPTS 87 (Combined Chronic Toxicity / Carcinogenicity), Guideline: DPA OPPTS 87 (Combined Chronic Toxicity / Carcinogenicity), Guideline: DPA OPPTS 87 (Combined Chronic Toxicity / Carcinogenicity), Guideline: EPA OPTS 78 4 (Preliminary Developmental Toxicity Screen)         NOAEL (animal/female, F0/P)       200 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline	LD50 oral rat					
yImethoxy)benzy[]phenoxy]methyl)oxirane and [2,2'-[methylenebis(2,1-phenyleneoxymethylene)]dioxirane (9003-3)         LD50 oral rat       > 5000 mg/kg bodyweight Animai: rat, Guideline: OECD Guideline 401 (Acute Ora Toxicily)         LD50 dermal rat       > 2000 mg/kg bodyweight Animai: rat, Guideline: OECD Guideline 402 (Acute Der Toxicily)         LD50 dermal rabbit       >         Skin corrosion/irritation       : Causes skin irritation.         Sectious eye damage/irritation       : Causes selous eye damage.         Respiratory or skin sensilisation       : May cause an allergic skin reaction.         Sem cell mutageneitity       : Not classified         Carcinogenicity       : Not classified         Bis[d-(2,3-opoxypropoxy)phony]]propane (1675-54-3)       NOAEL (chronic, oral, animal/male, 2 years)         NOAEL (chronic, oral, animal/male, 2 years)       15 mg/kg bodyweight Animai: rat, Animal sex: male, Guideline: OECD Guideline (Combined Chronic Toxicity / Carcinogenicity) Studies), Guideline: DPA OPPTS 87 (Combined Chronic Toxicity / Carcinogenicity), Studies), Guideline: DPA OPPTS 87 (Combined Chronic Toxicity / Carcinogenicity), Studies), Guideline: EPA OPTS 78 4 (Preliminary Developmental Toxicity Screen)         NOAEL (animal/female, F0/P)       200 mg/kg bodyweight Animai: rat, Animal sex: female, Guideline: EPA OTS 788 4 (Preliminary Developmental Toxicity Screen)         NOAEL (animal/female, F1)       200 mg/kg bodyweight Animai: rat, Animal sex: female, Guideline: EPA OTS 788 4 (Preliminary Developmental Toxicity Screen)	LD50 dermal rabbit	23000 mg/kg				
LD50 oral rat       > 5000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Ora Toxicity)         LD50 dermal rat       > 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Der Toxicity)         LD50 dermal rabbit       >         Skin corrosion/irritation       : Causes skin irritation.         Serious eye damage/irritation       : Causes serious eye damage.         Segnitatory or skin sensitisation       : May causes an allergic skin reaction.         Garcinogenicity       : Not classified         Bis[4.(2,3-epoxypropoxy)pheny]]propane (1675-54-3)         NOAEL (chronic, oral, animal/male, 2 years)       15 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline (Combined Chronic Toxicity / Carcinogenicity), Suides), Guideline: CECD Guideline (Combined Chronic Toxicity / Carcinogenicity), Guideline: OECD Guideline (Combined Chronic Toxicity / Carcinogenicity), Guideline: other:         NOAEL (chronic, oral, animal/female, 2 years)       10 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline (Combined Chronic Toxicity / Carcinogenicity), Guideline: other:         NOAEL (animal/female, F0/P)       200 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: EPA OTS 798.4 (Preliminary Developmental Toxicity Screen)         NOAEL (animal/female, F1)       200 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: EPA OTS 798.4 (Preliminary Developmental Toxicity Screen)         NOAEL (oral, rat, 90 days)       Som gs/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated	Reaction mass of 2,2'=[methylenebis(4,1-p	henyleneoxymethylene)]dioxirane and [2-(2-[4-(oxiran-2-				
Toxicity       Toxicity         LD50 dermal rat       > 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Der Toxicity)         LD50 dermal rabbit       >         Skin cornesion/inflation       : Causes skin irritation.         Serious eye damage/inflation       :: Causes serious eye damage.         Respiratory or skin sensitisation       : May cause an allergic skin reaction.         Gern cell mutagenicity       : Not classified         Bis[4-(2,3-epoxypropoxy)phenyl]propane (1675-54-3)       IS mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: DECD Guideline 402 (Acute Der Toxicity / Carcinogenicity Studies), Guideline: DECD Guideline 402 (Acute Der Toxicity / Carcinogenicity Studies), Guideline: DECD Guideline 402 (Acute Der Toxicity / Carcinogenicity Studies), Guideline: DECD Guideline 402 (Acute Der Toxicity / Carcinogenicity Studies), Guideline: DECD Guideline 402 (Acute Der Toxicity / Carcinogenicity Studies), Guideline: DECD Guideline 402 (Acute Der Toxicity / Carcinogenicity Studies), Guideline: DECD Guideline 402 (Acute Der Toxicity / Carcinogenicity Studies), Guideline: DECD Guideline 402 (Acute Der Toxicity / Carcinogenicity Studies), Guideline: DECD Guideline 402 (Acute Der Toxicity / Carcinogenicity Studies), Guideline: DECD Guideline 402 (Acute Der Toxicity / Carcinogenicity Studies), Guideline: DECD Guideline 402 (Acute Der Toxicity / Carcinogenicity Studies), Guideline: DECD Guideline 402 (Acute Der Toxicity / Carcinogenicity Studies), Guideline: DECD Guideline 402 (Acute Der Toxicity / Carcinogenicity Studies), Guideline: Other:         NOAEL (chronic, oral, animal/female, F1)       200 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: EP	ylmethoxy)benzyl]phenoxy}methyl)oxirane	and [2,2'-[methylenebis(2,1-phenyleneoxymethylene)]dioxirane (9003-36-5)				
LD50 dermal rat       > 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Der Toxicity)         LD50 dermal rabbit       >         Skin corrosion/inflation       : Causes skin inflation.         Serious eyd damage/inflation       : Causes skin inflation.         Germ cell mutagenicity       : Not classified         Carcinogenicity       : Not classified         Carcinogenicity       : Not classified         Carcinogenicity       : Not classified         Diaminal/male, 2 years)       15 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 4 (Combined Chronic Toxicity / Carcinogenicity). Guideline: CDCD Guideline 4 (Combined Chronic Toxicity / Carcinogenicity). Guideline: CDCD Guideline 4 (Combined Chronic Toxicity / Carcinogenicity). Guideline: CDCD Guideline 4 (Combined Chronic Toxicity / Carcinogenicity). Guideline: CDCD Guideline 4 (Combined Chronic Toxicity / Carcinogenicity). Guideline: CDCD Guideline 4 (Combined Chronic Toxicity / Carcinogenicity). Guideline: CDCD Guideline 4 (Combined Chronic Toxicity / Carcinogenicity). Guideline: CDCD Guideline 4 (Combined Chronic Toxicity / Carcinogenicity). Guideline: CDCD Guideline 4 (Combined Chronic Toxicity / Carcinogenicity). Guideline: OHCT ST 05 (Combined Chronic Toxicity / Carcinogenicity). Guideline: CDCD Guideline 4 (Preliminary Developmental Toxicity). Guideline: CDCD Guideline: CDCD Guideline: 4 (Preliminary Developmental Toxicity Surgen). Guideline: EPA OTS 798.4 (Preliminary Developmental Toxicity Surgen)         NOAEL (animal/female, F1)       200 mg/kg bodyweight Animal: rat, Guideline: CDCD Guideline: EPA OTS 798.4 (Preliminary Developmental Toxicity Surgen) <td colspan="5">LD50 oral rat &gt; 5000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral</td>	LD50 oral rat > 5000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral					
Toxicity)       Toxicity)         LD50 dermal rabbit       ≥         Skin corrosion/irritation       : Causes serious eye damage.         Respiratory or skin sensitisation       : May cause an allergic skin reaction.         Germ cell mutagenicity       : Not classified         Carinogenicity       : Not classified         Bis[41(2):3-epoxypropoxy)phonyl]propane (1675-544:3)         NOAEL (chronic, oral, animal/male, 2 years)       15 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: CPEO Deuideline 40 (Combined Chronic Toxicity / Carcinogenicity) Studies), Guideline: CPEO DEUI Str         NOAEL (chronic, oral, animal/female, 2 years)       15 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: CPEO DEUI Gombined Chronic Toxicity / Carcinogenicity) Studies), Guideline: CPEO DEUI Str         NOAEL (chronic, oral, animal/female, 2 years)       May damage firtility.         OXIRANE, MONO [(C12-14- ALKYLOXY)METHYL] DERIVS (68609-97-2)         NOAEL (animal/female, F0/P)       200 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: EPA OTS 798.4 (Preliminary Developmental Toxicity Screen)         NOAEL (animal/female, F0/P)       200 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: EPA OTS 798.4 (Preliminary Developmental Toxicity Screen)         STOT-single exposure       : Not classified         Stort-repeated exposure       : Not classified         Stort-repeated exposure       : Not classified         Bis[4-(2,3						
LD50 dermal rabbit       >         Skin corrosion/irritation       :       Causes skin irritation.         Serious eye damage/irritation       :       Causes serious eye damage.         Respiratory or skin sensitisation       :       May cause an allergic skin reaction.         Gern cell mutage/intly       :       Not classified         Bis[4-(2,3-epoxypropoxy)phenyl]propane (1675-54-3)       If mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 4         NOAEL (chronic, oral, animal/male, 2 years)       15 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 4         NOAEL (chronic, oral, animal/female, 2 years)       100 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline (Combined Chronic Toxicity / Carcinogenicity), Guideline: DECD Guideline (Combined Chronic Toxicity / Carcinogenicity), Guideline: OHer:         Reproductive toxicity       :       May damage fertility.         OXIRANE, MONO [(C12-14- ALKYLOXY)METHYL] DERIVS (68609-97-2)       200 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: EPA OTS 798.4 (Preliminary Developmental Toxicity Screen)         NOAEL (animal/female, F0/P)       200 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: EPA OTS 798.4 (Preliminary Developmental Toxicity Screen)         StoT-repeated exposure       :       Not classified         Bis[4-(2,3-epoxypropoxy)phonyl]propane (1675-54-3)       So mg/kg bodyweight Animal: rat, Guideline: CECD Guideline 408 (Repeated Dos Day Oral T	LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal				
Skin corrosion/irritation       : Causes skin irritation.         Serious eye damage/irritation       : Causes serious eye damage.         Respiratory or skin sensitisation       : May cause an allergic skin reaction.         Gern cell mutagenicity       : Not classified         Bis[4-(2,3-epoxypropoxy)phenyl]propane (1675-54-3)         NOAEL (chronic, oral, animal/male, 2 years)       15 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline (Combined Chronic Toxicity / Carcinogenicity) Studies), Guideline: OECD Guideline (Combined Chronic Toxicity / Carcinogenicity). Guideline: OECD Guideline (Combined Chronic Toxicity / Carcinogenicity). Guideline: DEA OPPTS 87 (Combined Chronic Toxicity / Carcinogenicity). Guideline: DEA OPPTS 87 (Combined Chronic Toxicity / Carcinogenicity). Guideline: DEA OPPTS 87 (Combined Chronic Toxicity / Carcinogenicity). Guideline: DEA OPPTS 87 (Combined Chronic Toxicity / Carcinogenicity). Guideline: DEA OPPTS 87 (Combined Chronic Toxicity / Carcinogenicity). Guideline: EPA OPPTS 87 (Combined Chronic Toxicity / Carcinogenicity). Guideline: EPA OPPTS 87 (Combined Chronic Toxicity / Carcinogenicity). Guideline: EPA OPPTS 87 (Combined Chronic Toxicity / Carcinogenicity). Guideline: EPA OPTS 783.4 (Preliminary Developmental Toxicity Studies). Guideline: EPA OTS 798.4 (Preliminary Developmental Toxicity / Carcinogenicity).         OXIRANE, MONO [(C12-14- ALKYLOXY)METHYL] DERIVS (68609-97-2)         NOAEL (animal/female, F0/P)       200 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: EPA OTS 798.4 (Preliminary Developmental Toxicity Screen)         STOT-single exposure       : Not classified         Bis[4-(2,3-epoxypropoxy)phenyl]prop		Toxicity)				
Serious eye damage/irritation       : Causes serious eye damage.         Respiratory or skin sensilisation       : May cause an allergic skin reaction.         Germ cell mutagenicity       : Not classified         Carcinogenicity       : Not classified         Bis[4-(2,3-epoxypropoxy)phenyl]propane (1675-54-3)         NOAEL (chronic, oral, animal/male, 2 years)       15 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline         NOAEL (chronic, oral, animal/female, 2 years)       100 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline         NOAEL (chronic, oral, animal/female, 2 years)       (Combined Chronic Toxicity / Carcinogenicity), Guideline: OECD Guideline         OXIRANE, MONO [(C12-14- ALKYLOXY)METH*L] DERIVS (68609-97-2)       OV         NOAEL (animal/female, F0/P)       200 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: EPA OTS 798.4 (Preliminary Developmental Toxicity Screen)         NOAEL (animal/female, F1)       200 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: EPA OTS 798.4 (Preliminary Developmental Toxicity Screen)         STOT-single exposure       : Not classified         STOT-repeated exposure       : Not classified         Bis[4-(2,3-opoxypropoxy)phenyl]propane (1675-54-3)         NOAEL (oral, rat, 90 days)       50 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dos Day Oral Toxicity Study in Rodents), Guideline: OECD Guideline 408 (Repeated Dos Day Oral Toxicity Study in Rodents), Guideli	LD50 dermal rabbit	2				
Respiratory or skin sensitisation       :       May cause an allergic skin reaction.         Germ cell mutagenicity       :       Not classified         Carcinogenicity       :       Not classified         Bis[4-(2,3-epoxypropoxy)phenyl]propane (1675-54-3)         NOAEL (chronic, oral, animal/male, 2 years)       If mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline         NOAEL (chronic, oral, animal/female, 2 years)       If 00 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline         NOAEL (chronic, oral, animal/female, 2 years)       If 00 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline         NOAEL (chronic, oral, animal/female, 2 years)       If 00 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline         OXIRANE, MONO I(C12-14- ALKYLOXY)METH-VLJ DERIVS (68609-97-2)       NOAEL (animal/female, FOIP)         NOAEL (animal/female, FOIP)       200 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: EPA OTS 798.4 (Preliminary Developmental Toxicity Screen)         STOT-single exposure       :       Not classified         Day Oral Toxicity Study in Rodents), Guideline: OECD Guideline 408 (Repeated Dos Day Oral Toxicity Study in Rodents), Guideline: OECD Guideline	Skin corrosion/irritation	: Causes skin irritation.				
Germ cell mutagenicity       : Not classified         Bis[4-(2,3-opoxypropoxy)phenyl]propane (1675-54-3)         NOAEL (chronic, oral, animal/male, 2 years)       15 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 4 (Combined Chronic Toxicity / Carcinogenicity Studies), Guideline: OECD Guideline (Combined Chronic Toxicity / Carcinogenicity Studies), Guideline: DECD Guideline (Combined Chronic Toxicity / Carcinogenicity Studies), Guideline: DECD Guideline (Combined Chronic Toxicity / Carcinogenicity), Guideline: DEPA OPPTS 87 (Combined Chronic Toxicity / Carcinogenicity), Guideline: DEPA OPPTS 87 (Combined Chronic Toxicity / Carcinogenicity), Guideline: DEPA OPPTS 87 (Combined Chronic Toxicity / Carcinogenicity), Guideline: DEPA OPPTS 87 (Combined Chronic Toxicity / Carcinogenicity), Guideline: DEPA OPPTS 87 (Combined Chronic Toxicity / Carcinogenicity), Guideline: DEPA OPPTS 87 (Combined Chronic Toxicity / Carcinogenicity), Guideline: DEPA OPTS 87 (Combined Chronic Toxicity / Carcinogenicity), Guideline: DEPA OTS 798.4 (Preliminary Developmental Toxicity Screen)         NOAEL (animal/female, F0/P)       200 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: EPA OTS 798.4 (Preliminary Developmental Toxicity Screen)         STOT-single exposure       : Not classified         Bis[4-(2,3-opoxypropoxy)phenyl]propane (1675-54-3)         NOAEL (oral, rat, 90 days)       50 mg/kg bodyweight Animal: rat, Guideline: EPA OPTS 87.0 3100 (90-Day O Toxicity in Rodents), Guideline: teph oPTS 87.0 3100 (90-Day O Toxicity in Rodents), Guideline: teph oPTS 87.0 3100 (90-Day O Toxicity in Rodents), Guideline: teph oPTS 87.0 3100 (90-Day O Toxicity in Rodents), Guideline: teph oPTS 87.0 3100 (90-Day O Toxicity in Rodents), Guideline: teph oPTS 87.0 3100 (90-Day O Toxi	Serious eye damage/irritation	: Causes serious eye damage.				
Carcinogenicity       Not classified         Bis[4-(2,3-epoxypropoxy)pheny]]propane (1675-54-3)         NOAEL (chronic, oral, animal/male, 2 years)       15 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 4 (Combined Chronic Toxicity / Carcinogenicity), Guideline: EPA OPPTS 87 (Combined Chronic Toxicity / Carcinogenicity), Guideline: OECD Guideline (Combined Chronic Toxicity / Carcinogenicity), Guideline: EPA OPPTS 87 (Combined Chronic Toxicity / Carcinogenicity), Guideline: OECD Guideline (Combined Chronic Toxicity / Carcinogenicity), Guideline: OECD Guideline (Combined Chronic Toxicity / Carcinogenicity), Guideline: DEPA OPPTS 87 (Combined Chronic Toxicity / Carcinogenicity), Guideline: OECD Guideline (Combined Chronic Toxicity / Carcinogenicity), Guideline: DEPA OPPTS 87 (Combined Chronic Toxicity / Carcinogenicity), Guideline: DEPA OPPTS 87 (Combined Chronic Toxicity / Carcinogenicity), Guideline: DEPA OPPTS 87 (Combined Chronic Toxicity / Carcinogenicity), Guideline: DEPA OPPTS 87 (Combined Chronic Toxicity / Carcinogenicity), Guideline: DEPA OPPTS 87 (Combined Chronic Toxicity / Carcinogenicity), Guideline: DEPA OPTS 87 (Combined Chronic Toxicity / Carcinogenicity), Guideline: DEPA OPTS 87 (Combined Chronic Toxicity / Carcinogenicity), Guideline: DEPA OPTS 87 (Combined Chronic Toxicity / Carcinogenicity), Guideline: DEPA OPTS 87 (Combined Chronic Toxicity / Carcinogenicity), Guideline: DEPA OPTS 87 (Combined Chronic Toxicity / Carcinogenicity), Guideline: DEPA OPTS 87 (Combined Chronic Toxicity / Carcinogenicity), Guideline: DEPA OPTS 87 (Combined Chronic Toxicity Screen)         NOAEL (animal/female, F0/P)       200 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: EPA OPTS 87 (2005)         STOT-single exposure       Not classified         STOT-single exposure <t< td=""><td>Respiratory or skin sensitisation</td><td>: May cause an allergic skin reaction.</td></t<>	Respiratory or skin sensitisation	: May cause an allergic skin reaction.				
Bis[4-(2,3-epoxypropoxy)phenyl]propane (1675-54-3)         NOAEL (chronic, oral, animal/male, 2 years)       15 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 4 (Combined Chronic Toxicity / Carcinogenicity), Guideline: EPA OPPTS 87 (Combined Chronic Toxicity / Carcinogenicity), Guideline: OECD Guideline (Combined Chronic Toxicity / Carcinogenicity), Guideline: DECD Guideline (Combined Chronic Toxicity / Carcinogenicity), Guideline: DECD Guideline (Combined Chronic Toxicity / Carcinogenicity), Guideline: DEA OPPTS 87 (Combined Chronic Toxicity / Carcinogenicity), Guideline: EPA OPTS 87 (Combined Chronic Toxicity Studies), Guideline: EPA OTS 798.4 (Preliminary Developmental Toxicity Screen)         NOAEL (animal/female, F0/P)       200 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: EPA OTS 798.4 (Preliminary Developmental Toxicity Screen)         STOT-single exposure       : Not classified         Bis[4-(2,3-epoxypropoxy)phenyl]propane (1675-54-3)         NOAEL (oral, rat, 90 days)       50 mg/kg bodyweight Animal: rat, Guideline: EPA OPPTS 870.3100 (90-Day O Toxicity in Rodents), Guideline: EIPA OPPTS 870.3100 (90	Germ cell mutagenicity	: Not classified				
NOAEL (chronic, oral, animal/male, 2 years)       15 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: CECD Guideline 4 (Combined Chronic Toxicity / Carcinogenicity), Guideline: CECD Guideline 4 (Combined Chronic Toxicity / Carcinogenicity), Guideline: CECD Guideline (Combined Chronic Toxicity / Carcinogenicity), Guideline: CEPA OPPTS 87 (Combined Chronic Toxicity / Carcinogenicity), Guideline: CPA OPPTS 87 (Combined Chronic Toxicity / Carcinogenicity), Guideline: CPA OPPTS 87 (Combined Chronic Toxicity / Carcinogenicity), Guideline: CPA OPTS 87 (Combined Chronic Toxicity / Carcinogenicity), Guideline: CPA OPTS 87 (Combined Chronic Toxicity / Carcinogenicity), Guideline: CPA OTS 798.4 (Preliminary Developmental Toxicity Screen)         NOAEL (animal/female, F0/P)       200 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: EPA OTS 798.4 (Preliminary Developmental Toxicity Screen)         STOT-single exposure       : Not classified         STOT-repeated exposure       : Not classified         Bis[4-(2,3-epoxypropoxy)phenyl]propane (1675-54-3)         NOAEL (oral, rat, 90 days)       50 mg/kg bodyweight Animal: rat, Guideline: CECD Guideline 408 (Repeated Dos Day Oral Toxicity Study in Rodents), Guideline: EPA OPTS 870.3100 (90-Day O Toxicity in Rodents), Guideline: EU Method B.26 (Sub-Chronic Oral Toxicity Test: Repeated Dose 90-Day Oral Toxicity Study in Rodents), Guideline: other:         Reaction mass of 2,2'=[methylenebis(4,1-phentyleneoxymethylene)]dioxirane and [2,2'-[4-(ox	Carcinogenicity	: Not classified				
(Combined Chronic Toxicity / Carcinogenicity Studies), Guideline: EPA OPPTS 87         NOAEL (chronic, oral, animal/female, 2 years)       100 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guidelin         (Combined Chronic Toxicity / Carcinogenicity), Guideline: EPA OPPTS 87       (Combined Chronic Toxicity / Carcinogenicity), Guideline: EPA OPPTS 87         (Combined Chronic Toxicity / Carcinogenicity), Guideline: EPA OPPTS 87       (Combined Chronic Toxicity / Carcinogenicity), Guideline: EPA OPPTS 87         (Combined Chronic Toxicity / Carcinogenicity), Guideline: EPA OPPTS 87       (Combined Chronic Toxicity / Carcinogenicity), Guideline: EPA OPPTS 87         (Combined Chronic Toxicity / Carcinogenicity), Guideline: EPA OPPTS 87       (Combined Chronic Toxicity / Carcinogenicity), Guideline: EPA OPPTS 87         (Combined Chronic Toxicity / Carcinogenicity), Guideline: EPA OPPTS 87       (Combined Chronic Toxicity / Carcinogenicity), Guideline: EPA OPPTS 87         (Preliminary Developmental Toxicity Study: Composition of the composities of the composit	Bis[4-(2,3-epoxypropoxy)phenyl]propane (	1675-54-3)				
(Combined Chronic Toxicity / Carcinogenicity Studies), Guideline: EPA OPPTS 87         NOAEL (chronic, oral, animal/female, 2 years)       100 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guidelin         (Combined Chronic Toxicity / Carcinogenicity), Guideline: EPA OPPTS 87       (Combined Chronic Toxicity / Carcinogenicity), Guideline: EPA OPPTS 87         (Combined Chronic Toxicity / Carcinogenicity), Guideline: EPA OPPTS 87       (Combined Chronic Toxicity / Carcinogenicity), Guideline: EPA OPPTS 87         (Combined Chronic Toxicity / Carcinogenicity), Guideline: EPA OPPTS 87       (Combined Chronic Toxicity / Carcinogenicity), Guideline: EPA OPPTS 87         (Combined Chronic Toxicity / Carcinogenicity), Guideline: EPA OPPTS 87       (Combined Chronic Toxicity / Carcinogenicity), Guideline: EPA OPPTS 87         (Combined Chronic Toxicity / Carcinogenicity), Guideline: EPA OPPTS 87       (Combined Chronic Toxicity / Carcinogenicity), Guideline: EPA OPPTS 87         (Preliminary Developmental Toxicity Study: Composition of the composities of the composit	NOAEL (chronic oral animal/male 2 years)	15 mg/kg bodyweight Animal: rat Animal sex: male Guideline: OECD Guideline 453				
Image: Combined Chronic Toxicity / Carcinogenicity), Guideline: other:         NOAEL (chronic, oral, animal/female, 2 years)       100 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: EPA OPPTS 87 (Combined Chronic Toxicity / Carcinogenicity), Guideline: other:         Reproductive toxicity       :       May damage fertility.         OXIRANE, MONO [(C12-14- ALKYLOXY)METVL] DERIVS (68609-97-2)       NOAEL (animal/female, F0/P)       200 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: EPA OTS 798.4 (Preliminary Developmental Toxicity Screen)         NOAEL (animal/female, F1)       200 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: EPA OTS 798.4 (Preliminary Developmental Toxicity Screen)         STOT-single exposure       :       Not classified         Bis[4-(2,3-epoxypropoxy)phenyl]propane (1675-54-3)       So mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dos Day Oral Toxicity Study in Rodents), Guideline: EPA OPPTS 870.3100 (90-Day O Toxicity in Rodents), Guideline: EPA OPPTS 870.3100 (90-Day O Toxicity in Rodents), Guideline: EPA OPPTS 870.3100 (90-Day O Toxicity in Rodents), Guideline: EPA OPPTS 870.3100 (90-Day O Toxicity in Rodents), Guideline: EPA OPPTS 870.3100 (90-Day O Toxicity in Rodents), Guideline: EPA OPPTS 870.3100 (90-Day O Toxicity in Rodents), Guideline: EPA OPPTS 870.3100 (90-Day O Toxicity in Rodents), Guideline: EPA OPPTS 870.3100 (90-Day O Toxicity Study in Rodents), Guideline: EPA OPPTS 870.3100 (90-Day O Toxicity Study in Rodents), Guideline: EPA OPPTS 870.3100 (90-Day O Toxicity Study in Rodents), Guideline: EPA OPPTS 870.3100 (90-Day O Toxicity Study in Rodents), Guideline: EPA OPPTS 870.3100 (90-Day O Toxicity Study in Rodents), Guideline: EPA OPPTS 870.3100 (90	NOALE (Chiome, oral, animal/male, 2 years)					
NOAEL (chronic, oral, animal/female, 2 years)       100 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: CECD Guidelin (Combined Chronic Toxicity / Carcinogenicity Studies), Guideline: EPA OPPTS 87 (Combined Chronic Toxicity / Carcinogenicity), Guideline: EPA OPPTS 87 (Combined Chronic Toxicity / Carcinogenicity), Guideline: etpA OPPTS 87 (Combined Chronic Toxicity / Carcinogenicity), Guideline: etpA OPPTS 87 (Combined Chronic Toxicity / Carcinogenicity), Guideline: etpA OPPTS 87 (Combined Chronic Toxicity / Carcinogenicity), Guideline: etpA OPPTS 87 (Combined Chronic Toxicity / Carcinogenicity), Guideline: etpA OPPTS 87 (Combined Chronic Toxicity / Carcinogenicity), Guideline: etpA OPPTS 87 (Combined Chronic Toxicity / Carcinogenicity), Guideline: etpA OPPTS 87 (Combined Chronic Toxicity Screen)         NOAEL (animal/female, F0/P)       200 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: EPA OTS 798.4 (Preliminary Developmental Toxicity Screen)         NOAEL (animal/female, F1)       200 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: EPA OTS 798.4 (Preliminary Developmental Toxicity Screen)         STOT-single exposure       : Not classified         STOT-repeated exposure       : Not classified         Bis[4-(2,3-epoxypropoxy)phenyl]propane (1675-54-3)         NOAEL (oral, rat, 90 days)       50 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dos Day Oral Toxicity Study in Rodents), Guideline: other:         Reaction mass of 2,2'=[methylenebis(4,1-phe-v eneoxymethylene)]dioxirane and [2-(2-[4-(oxiran-2-v)lmethoxy)benzyl]phenoxy}methyl)oxirane       22.2':[methylenebis(2,1-phenyleneoxymethylene)]dioxirane (9003-3)         NOAEL (oral, rat, 90 days)						
(Combined Chronic Toxicity / Carcinogenicity Studies), Guideline: EPA OPPTS 87         (Combined Chronic Toxicity / Carcinogenicity), Guideline: other:         Reproductive toxicity       : May damage fertility.         OXIRANE, MONO [(C12-14- ALKYLOXY)METH+L] DERIVS (68609-97-2)         NOAEL (animal/female, F0/P)       200 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: EPA OTS 798.4 (Preliminary Developmental Toxicity Screen)         NOAEL (animal/female, F1)       200 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: EPA OTS 798.4 (Preliminary Developmental Toxicity Screen)         STOT-single exposure       : Not classified         STOT-repeated exposure       : Not classified         Bis[4-(2,3-epoxypropoxy)phenyl]propane (1675-54-3)         NOAEL (oral, rat, 90 days)       50 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dosiday Oral Toxicity Study in Rodents), Guideline: EPA OPTS 870.3100 (90-Day Oral Toxicity Study in Rodents), Guideline: Coral Toxicity Test: Repeated Dose 90-Day Oral Toxicity Study in Rodents), Guideline: other:         Reaction mass of 2,2'=[methylenebis(4,1-ph=ruleneoxymethylene)]dioxirane and [2-(2-[4-(oxiran-2-ylmethoxylbenzyl]phenoxy]methyl)oxirane       22.2'-[methylenebis(2,1-phenyleneoxymethylene]]dioxirane (9003-3)         NOAEL (oral, rat, 90 days)       \$ 250 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)         Repeated Dose 90-Day Oral Toxicity Study in Rodents)       Guideline: ether: Repeated Dose 90-Day Oral Toxicity Study in Rodents)						
(Combined Chronic Toxicity / Carcinogenicity), Guideline: other:         Reproductive toxicity       May damage fertility.         OXIRANE, MONO [(C12-14- ALKYLOXY)METHYL] DERIVS (68609-97-2)         NOAEL (animal/female, F0/P)       200 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: EPA OTS 798.4 (Preliminary Developmental Toxicity Screen)         NOAEL (animal/female, F1)       200 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: EPA OTS 798.4 (Preliminary Developmental Toxicity Screen)         STOT-single exposure       : Not classified         Bis[4-(2,3-epoxypropoxy)phenyl]propane (1675-54-3)         NOAEL (oral, rat, 90 days)       50 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Doss Day Oral Toxicity Study in Rodents), Guideline: EPA OPPTS 870.3100 (90-Day OU Toxicity in Rodents), Guideline: OECD Guideline 408 (Repeated Doss Day Oral Toxicity Study in Rodents), Guideline: OECD Guideline 408 (Repeated Doss Day Oral Toxicity Study in Rodents)         NOAEL (oral, rat, 90 days)       ≈ 250 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Do Day Oral Toxicity Study in Rodents)	NOAEL (chronic, oral, animal/temale, 2 years)					
Reproductive toxicity       May damage fertility.         OXIRANE, MONO [(C12-14- ALKYLOXY)METHYL] DERIVS (68609-97-2)         NOAEL (animal/female, F0/P)       200 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: EPA OTS 798.4 (Preliminary Developmental Toxicity Screen)         NOAEL (animal/female, F1)       200 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: EPA OTS 798.4 (Preliminary Developmental Toxicity Screen)         STOT-single exposure       : Not classified         STOT-single exposure       : Not classified         Bis[4-(2,3-epoxypropoxy)phenyl]propane (1675-54-3)         NOAEL (oral, rat, 90 days)       50 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose Day Oral Toxicity Study in Rodents), Guideline: EPA OPPTS 870.3100 (90-Day Or Toxicity in Rodents), Guideline: ED Method B.26 (Sub-Chronic Oral Toxicity Test: Repeated Dose 90-Day Oral Toxicity Study in Rodents), Guideline: other:         Reaction mass of 2,2'=[methylenebis(4,1-phenyleneoxymethylene)]dioxirane and [2-(2-[4-(oxiran-2-ylmethoxy)benzyl]phenoxy}methyl)oxirane and [2,2'-[methylenebis(2,1-phenyleneoxymethylene)]dioxirane (9003-3)         NOAEL (oral, rat, 90 days)       = 250 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dase 90-Day Oral Toxicity Study in Rodents), Guideline: other:         Resciton mass of 2,2'=[methylenebis(4,1-phenyleneoxymethylene)]dioxirane and [2-(2-[4-(oxiran-2-yleneoxymethylene)]dioxirane (9003-3)         NOAEL (oral, rat, 90 days)       = 250 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dase 90-Day Oral Toxicity Study in Rodents)<						
OXIRANE, MONO [(C12-14- ALKYLOXY)METHYL] DERIVS (68609-97-2)         NOAEL (animal/female, F0/P)       200 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: EPA OTS 798.4 (Preliminary Developmental Toxicity Screen)         NOAEL (animal/female, F1)       200 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: EPA OTS 798.4 (Preliminary Developmental Toxicity Screen)         STOT-single exposure       :         Not classified       screen"         STOT-repeated exposure       :         NOAEL (oral, rat, 90 days)       50 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dos Day Oral Toxicity Study in Rodents), Guideline: EPA OPPTS 870.3100 (90-Day Or Toxicity in Rodents), Guideline: EPA OPPTS 870.3100 (90-Day Or Toxicity in Rodents), Guideline: EU Method B.26 (Sub-Chronic Oral Toxicity Test: Repeated Dose 90-Day Oral Toxicity Study in Rodents), Guideline: other:         Reaction mass of 2,2'=[methylenebis(4,1-phenyleneoxymethylene)]dioxirane and [2-(2-[4-(oxiran-2-ylmethoxy)benzyl]phenoxy}methyloxirane and [2,2'-[methylenebis(2,1-phenyleneoxymethylene)]dioxirane (9003-3)         NOAEL (oral, rat, 90 days)       = 250 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose Day Oral Toxicity Study in Rodents)         Aspiration hazard       :       Not classified	Reproductive toxicity					
NOAEL (animal/female, F0/P)       200 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: EPA OTS 798.4 (Preliminary Developmental Toxicity Screen)         NOAEL (animal/female, F1)       200 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: EPA OTS 798.4 (Preliminary Developmental Toxicity Screen)         STOT-single exposure       :         Not classified       STOT-repeated exposure         Bis[4-(2,3-epoxypropoxy)phenyl]propane (1675-54-3)         NOAEL (oral, rat, 90 days)       50 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose Day Oral Toxicity Study in Rodents), Guideline: EPA OPPTS 870.3100 (90-Day Oral Toxicity in Rodents), Guideline: EU Method B.26 (Sub-Chronic Oral Toxicity Test: Repeated Dose 90-Day Oral Toxicity Study in Rodents), Guideline: other:         Reaction mass of 2,2'=[methylenebis(4,1-phenyleneoxymethylene)]dioxirane and [2-(2-[4-(oxiran-2-ylmethoxy)benzyl]phenoxy}methyl)oxirane and [2,2'-[methylenebis(2,1-phenyleneoxymethylene)]dioxirane (9003-3)         NOAEL (oral, rat, 90 days)       ≈ 250 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose Day Oral Toxicity Study in Rodents), Guideline: other:         Reaction mass of 2,2'=[methylenebis(4,1-phenyleneoxymethylene)]dioxirane and [2-(2-[4-(oxiran-2-ylmethoxy)benzyl]phenoxy}methyl)oxirane and [2,2'-[methylenebis(2,1-phenyleneoxymethylene)]dioxirane (9003-3)         NOAEL (oral, rat, 90 days)       ≈ 250 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Day Oral Toxicity Study in Rodents)         Aspiration hazard       : Not classified         Bis(isopropyl)naphth						
Image: State of the state						
NOAEL (animal/female, F1)       200 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: EPA OTS 798.4 (Preliminary Developmental Toxicity Screen)         STOT-single exposure       :       Not classified         STOT-repeated exposure       :       Not classified         Bis[4-(2,3-epoxypropoxy)phenyl]propane (1675-54-3)         NOAEL (oral, rat, 90 days)       50 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dos: Day Oral Toxicity Study in Rodents), Guideline: EPA OPPTS 870.3100 (90-Day Oral Toxicity in Rodents), Guideline: EVA OPPTS 870.3100 (90-Day Oral Toxicity in Rodents), Guideline: EVA OPPTS 870.3100 (90-Day Oral Toxicity in Rodents), Guideline: EVA OPPTS 870.3100 (90-Day Oral Toxicity in Rodents), Guideline: EVA OPPTS 870.3100 (90-Day Oral Toxicity in Rodents), Guideline: EVA OPPTS 870.3100 (90-Day Oral Toxicity in Rodents), Guideline: Oral Toxicity Test: Repeated Dose 90-Day Oral Toxicity Study in Rodents), Guideline: other:         Reaction mass of 2,2'=[methylenebis(4,1-phenyleneoxymethylene)]dioxirane and [2,2'-[methylenebis(2,1-phenyleneoxymethylene)]dioxirane (9003-31)         NOAEL (oral, rat, 90 days)       ≈ 250 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Doay Oral Toxicity Study in Rodents)         Aspiration hazard       :       Not classified         Bis(isopropyl)naphthalene (38640-62-9)       :	NOAEL (animal/female, F0/P)					
(Preliminary Developmental Toxicity Screen)         STOT-single exposure       : Not classified         STOT-repeated exposure       : Not classified         Bis[4-(2,3-epoxypropoxy)phenyl]propane (1675-54-3)         NOAEL (oral, rat, 90 days)       50 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Doss Day Oral Toxicity Study in Rodents), Guideline: EPA OPPTS 870.3100 (90-Day Oral Toxicity in Rodents), Guideline: EU Method B.26 (Sub-Chronic Oral Toxicity Test: Repeated Dose 90-Day Oral Toxicity Study in Rodents), Guideline: other:         Reaction mass of 2,2'=[methylenebis(4,1-phenyleneoxymethylene)]dioxirane and [2-(2-[4-(oxiran-2-ylmethoxy)benzyl]phenoxy}methyl)oxirane and [2,2'-[methylenebis(2,1-phenyleneoxymethylene)]dioxirane (9003-3)         NOAEL (oral, rat, 90 days)       ≈ 250 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose Day Oral Toxicity Study in Rodents)         Aspiration hazard       : Not classified         Bis(isopropyl)naphthalene (38640-62-9)       - Not classified						
STOT-single exposure       : Not classified         STOT-repeated exposure       : Not classified         Bis[4-(2,3-epoxypropoxy)phenyl]propane (1675-54-3)         NOAEL (oral, rat, 90 days)       50 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose Day Oral Toxicity Study in Rodents), Guideline: EPA OPPTS 870.3100 (90-Day Or Toxicity in Rodents), Guideline: EU Method B.26 (Sub-Chronic Oral Toxicity Test: Repeated Dose 90-Day Oral Toxicity Study in Rodents), Guideline: other:         Reaction mass of 2,2'=[methylenebis(4,1-phenyleneoxymethylene)]dioxirane and [2-(2-[4-(oxiran-2-ylmethoxy)benzyl]phenoxy}methyl)oxirane and [2,2'-[methylenebis(2,1-phenyleneoxymethylene)]dioxirane (9003-3)         NOAEL (oral, rat, 90 days)       ≈ 250 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated D Day Oral Toxicity Study in Rodents)         NOAEL (oral, rat, 90 days)       ≈ 250 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated D Day Oral Toxicity Study in Rodents)         Aspiration hazard       : Not classified         Bis(isopropyl)naphthalene (38640-62-9)       •	NOAEL (animal/female, F1)					
STOT-repeated exposure       : Not classified         Bis[4-(2,3-epoxypropoxy)phenyl]propane (1675-54-3)         NOAEL (oral, rat, 90 days)       50 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Doss Day Oral Toxicity Study in Rodents), Guideline: EPA OPPTS 870.3100 (90-Day OU Toxicity in Rodents), Guideline: EU Method B.26 (Sub-Chronic Oral Toxicity Test: Repeated Dose 90-Day Oral Toxicity Study in Rodents), Guideline: other:         Reaction mass of 2,2'=[methylenebis(4,1-phenyleneoxymethylene)]dioxirane and [2-(2-[4-(oxiran-2-ylmethoxy)benzyl]phenoxy}methyl)oxirane and [2,2'-[methylenebis(2,1-phenyleneoxymethylene)]dioxirane (9003-31 Day Oral Toxicity Study in Rodents)         NOAEL (oral, rat, 90 days)       ≈ 250 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose Day Oral Toxicity Study in Rodents)         Aspiration hazard       : Not classified         Bis(isopropyl)naphthalene (38640-62-9)						
Bis[4-(2,3-epoxypropoxy)phenyl]propane (1675-54-3)         NOAEL (oral, rat, 90 days)       50 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose Day Oral Toxicity Study in Rodents), Guideline: EPA OPPTS 870.3100 (90-Day Oral Toxicity in Rodents), Guideline: EU Method B.26 (Sub-Chronic Oral Toxicity Test: Repeated Dose 90-Day Oral Toxicity Study in Rodents), Guideline: other:         Reaction mass of 2,2'=[methylenebis(4,1-phenyleneoxymethylene)]dioxirane and [2-(2-[4-(oxiran-2-ylmethoxy)benzyl]phenoxy}methyl)oxirane and [2,2'-[methylenebis(2,1-phenyleneoxymethylene)]dioxirane (9003-3)         NOAEL (oral, rat, 90 days)       ≈ 250 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Day Oral Toxicity Study in Rodents)         Aspiration hazard       Not classified         Bis(isopropyl)naphthalene (38640-62-9)       Second						
NOAEL (oral, rat, 90 days)       50 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose Day Oral Toxicity Study in Rodents), Guideline: EPA OPPTS 870.3100 (90-Day Oral Toxicity in Rodents), Guideline: EU Method B.26 (Sub-Chronic Oral Toxicity Test: Repeated Dose 90-Day Oral Toxicity Study in Rodents), Guideline: other:         Reaction mass of 2,2'=[methylenebis(4,1-phenyleneoxymethylene)]dioxirane and [2-(2-[4-(oxiran-2-ylmethoxy)benzyl]phenoxy}methyl)oxirane and [2,2'-[methylenebis(2,1-phenyleneoxymethylene)]dioxirane (9003-3)         NOAEL (oral, rat, 90 days)       ≈ 250 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose Day Oral Toxicity Study in Rodents)         Aspiration hazard       : Not classified         Bis(isopropyl)naphthalene (38640-62-9)	· ·					
Day Oral Toxicity Study in Rodents), Guideline: EPA OPPTS 870.3100 (90-Day Oral Toxicity in Rodents), Guideline: EU Method B.26 (Sub-Chronic Oral Toxicity Test: Repeated Dose 90-Day Oral Toxicity Study in Rodents), Guideline: other:         Reaction mass of 2,2'=[methylenebis(4,1-phenyleneoxymethylene)]dioxirane and [2-(2-[4-(oxiran-2-ylmethoxy)benzyl]phenoxy}methyl)oxirane and [2,2'-[methylenebis(2,1-phenyleneoxymethylene)]dioxirane (9003-30         NOAEL (oral, rat, 90 days)       ≈ 250 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Day Oral Toxicity Study in Rodents)         Aspiration hazard       : Not classified         Bis(isopropyl)naphthalene (38640-62-9)	Bis[4-(2,3-epoxypropoxy)phenyl]propane (	1675-54-3)				
Toxicity in Rodents), Guideline: EU Method B.26 (Sub-Chronic Oral Toxicity Test: Repeated Dose 90-Day Oral Toxicity Study in Rodents), Guideline: other:         Reaction mass of 2,2'=[methylenebis(4,1-phenyleneoxymethylene)]dioxirane and [2-(2-[4-(oxiran-2- ylmethoxy)benzyl]phenoxy}methyl)oxirane and [2,2'-[methylenebis(2,1-phenyleneoxymethylene)]dioxirane (9003-30         NOAEL (oral, rat, 90 days)       ~ 250 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated D Day Oral Toxicity Study in Rodents)         Aspiration hazard       : Not classified         Bis(isopropyl)naphthalene (38640-62-9)	NOAEL (oral, rat, 90 days)	50 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-				
Repeated Dose 90-Day Oral Toxicity Study in Rodents), Guideline: other:         Reaction mass of 2,2'=[methylenebis(4,1-phenyleneoxymethylene)]dioxirane and [2-(2-[4-(oxiran-2-ylmethoxy)benzyl]phenoxy}methyl)oxirane and [2,2'-[methylenebis(2,1-phenyleneoxymethylene)]dioxirane (9003-30)         NOAEL (oral, rat, 90 days)       ≈ 250 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated D Day Oral Toxicity Study in Rodents)         Aspiration hazard       : Not classified         Bis(isopropyl)naphthalene (38640-62-9)		Day Oral Toxicity Study in Rodents), Guideline: EPA OPPTS 870.3100 (90-Day Oral				
Reaction mass of 2,2'=[methylenebis(4,1-phenyleneoxymethylene)]dioxirane and [2-(2-[4-(oxiran-2-ylmethoxy)benzyl]phenoxy}methyl)oxirane and [2,2'-[methylenebis(2,1-phenyleneoxymethylene)]dioxirane (9003-3)         NOAEL (oral, rat, 90 days)       ≈ 250 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated D Day Oral Toxicity Study in Rodents)         Aspiration hazard       : Not classified         Bis(isopropyl)naphthalene (38640-62-9)						
yImethoxy)benzyl]phenoxy}methyl)oxirane and [2,2'-[methylenebis(2,1-phenyleneoxymethylene)]dioxirane (9003-30         NOAEL (oral, rat, 90 days)       ~ 250 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated D Day Oral Toxicity Study in Rodents)         Aspiration hazard       : Not classified         Bis(isopropyl)naphthalene (38640-62-9)		Repeated Dose 90-Day Oral Toxicity Study in Rodents), Guideline: other:				
yImethoxy)benzyl]phenoxy}methyl)oxirane and [2,2'-[methylenebis(2,1-phenyleneoxymethylene)]dioxirane (9003-30         NOAEL (oral, rat, 90 days)       ~ 250 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated D Day Oral Toxicity Study in Rodents)         Aspiration hazard       : Not classified         Bis(isopropyl)naphthalene (38640-62-9)	Reaction mass of 2.2'=Imethylenebis(4.1-n	henvleneoxymethylene)]dioxirane and [2-(2-[4-(oxiran-2-				
NOAEL (oral, rat, 90 days)       ~ 250 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Day Oral Toxicity Study in Rodents)         Aspiration hazard       : Not classified         Bis(isopropyl)naphthalene (38640-62-9)						
Day Oral Toxicity Study in Rodents)         Aspiration hazard       Not classified         Bis(isopropyl)naphthalene (38640-62-9)						
Aspiration hazard : Not classified Bis(isopropyl)naphthalene (38640-62-9)	NOAEL (oral, rat, 90 days)	≈ 250 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90				
Bis(isopropyl)naphthalene (38640-62-9)						
	•	: Not classified				
Viscosity, kinematic 12.5 mm²/s	Bis(isopropyl)naphthalene (38640-62-9)					
	Viscosity, kinematic	12.5 mm²/s				
11.2. Information on other becards	11.0 Information on other bounds					
11.2. Information on other hazards	11.2. Information on other hazards					

No additional information available

# Safety Data Sheet

SECTION 12: Ecological information				
12.1. Toxicity				
(acute)	Not classified			
Hazardous to the aquatic environment, long–term : (chronic) Not rapidly degradable	Toxic to aquatic life with long lasting effects.			
OXIRANE, MONO [(C12-14- ALKYLOXY)METH	1YL] DERIVS (68609-97-2)			
EC50 72h - Algae [1]	844 mg/l Test species:- Selenastrum capricornutum (Green algae)			
Bis(isopropyl)naphthalene (38640-62-9)				
LC50 - Fish [1]	> 0.5 mg/l Test organisms (species): Leuciscus idus			
EC50 - Crustacea [1]	> 0.16 mg/l Test organisms (species): Daphnia magna			
EC50 72h - Algae [1]	0.15 mg/l			
NOEC chronic crustacea	0.013 mg/l 21 days			
Cashew nutshell extract (8007-24-7)				
EC50 72h - Algae [1]	1300 mg/l			
Bis[4-(2,3-epoxypropoxy)phenyl]propane (16	75-54-3)			
LC50 - Fish [1]       2 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gair				
EC50 - Crustacea [1]	1.8 mg/l Test species:- Daphnia magna			
EC50 - Crustacea [2] 2.1 mg/l Test species - Ceriodaphnia dubia				
EC50 72h - Algae [2] > 11 mg/l Test organisms (species): Scenedesmus capricornutum				
OEC (chronic) 1 mg/l Test organisms (species): Daphnia magna Duration: '21 d'				
NOEC (chronic)	0.3 mg/l Test organisms (species): Daphnia magna Duration: '21 d'			
	nyleneoxymethylene)]dioxirane and [2-(2-[4-(oxiran-2- nd [2,2'-[methylenebis(2,1-phenyleneoxymethylene)]dioxirane (9003-36-5)			
LC50 - Fish [1]	> 2.54 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)			
EC50 - Crustacea [1]	2.55 mg/l Test organisms (species): Daphnia magna			
EC50 72h - Algae [1]	1.8 mg/l			
LOEC (chronic)	1 mg/l Test organisms (species): Daphnia magna Duration: '21 d'			
NOEC (chronic)	0.3 mg/l Test organisms (species): Daphnia magna Duration: '21 d'			
12.2. Persistence and degradability				
No additional information available				
12.3. Bioaccumulative potential				
No additional information available				
12.4. Mobility in soil				
No additional information available				
12.5. Results of PBT and vPvB assessment				
No additional information available				

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### 12.6. Endocrine disrupting properties

### No additional information available

12.7. Other adverse effects

No additional information available

SECTION 13: Disposal consider	ations
13.1. Waste treatment methods	
Regional waste regulation Waste treatment methods Ecology - waste materials HP Code	<ul> <li>Disposal must be done according to official regulations.</li> <li>Must follow special treatment according to local regulation.</li> <li>Avoid release to the environment.</li> <li>HP3 - "Flammable:" <ul> <li>flammable liquid waste: liquid waste having a flash point below 60 °C or waste gas oil, diesel and light heating oils having a flash point &gt; 55 °C and ≤ 75 °C;</li> <li>flammable pyrophoric liquid and solid waste: solid or liquid waste which, even in small quantities, is liable to ignite within five minutes after coming into contact with air;</li> <li>flammable solid waste: solid waste which is readily combustible or may cause or contribute to fire through friction;</li> <li>flammable gaseous waste: gaseous waste which is flammable in air at 20 °C and a standard pressure of 101.3 kPa;</li> <li>water reactive waste: flammable aerosols, flammable self-heating waste, flammable organic peroxides and flammable self-reactive waste.</li> <li>HP4 - "Irritant – skin irritation and eye damage:" waste which on application can cause skin irritation or damage to the eye.</li> <li>HP13 - "Sensitising:" waste which contains one or more substances known to cause sensitising effects to the skin or the respiratory organs.</li> <li>HP14 - "Ecotoxic:" waste which presents or may present immediate or delayed risks for one or more sectors of the environment</li> </ul> </li> </ul>

#### **SECTION 14: Transport information**

In accordance with ADR / IMDG / ADN / RID

ADR	IMDG	ADN	RID		
I4.1. UN number or ID number					
UN 3082	UN 3082	UN 3082	UN 3082		
14.2. UN proper shipping name					
ENVIRONMENTALLY	ENVIRONMENTALLY HAZARDOUS SUBSTANCE,	ENVIRONMENTALLY	ENVIRONMENTALLY		
HAZARDOUS	LIQUID, N.O.S. (Phenol Formaldehyde Polymer Gylcidyl	HAZARDOUS	HAZARDOUS		
SUBSTANCE, LIQUID,	Ethter. CONTAINS)	SUBSTANCE, LIQUID,	SUBSTANCE, LIQUID,		
N.O.S. (Phenol		N.O.S. (Phenol	N.O.S. (Phenol		
Formaldehyde Polymer		Formaldehyde Polymer	Formaldehyde Polymer		
Gylcidyl Ethter.		Gylcidyl Ethter.	Gylcidyl Ethter.		
CONTAINS)		CONTAINS)	CONTAINS)		

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ADR		IMDG	ADN	RID
Transport document descri	ption			
UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Phenol Formaldehyde Polymer Gylcidyl Ethter. CONTAINS), 9, III, (-)		UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Phenol Formaldehyde Polymer Gylcidyl Ethter. CONTAINS), 9, III	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Phenol Formaldehyde Polymer Gylcidyl Ethter. CONTAINS), 9, III	
14.3. Transport hazard c	lass(es)			
9		9	9	9
14.4. Packing group				
III		III	Ш	Ш
14.5. Environmental haz	ards			
Dangerous for the environment: Yes	Dangerous for the environment: Yes Marine pollutant: Yes		Dangerous for the environment: Yes	Dangerous for the environment: Yes
No supplementary information available				childrent. 103
no cappionionaly information				
Overland transport Classification code (ADR) Special provisions (ADR) Limited quantities (ADR) Excepted quantities (ADR) Packing instructions (ADR) Special packing provisions (AD Mixed packing provisions (AD Portable tank and bulk contair Portable tank and bulk contair (ADR) Tank code (ADR) Vehicle for tank carriage Transport category (ADR) Special provisions for carriage Special provisions for carriage and handling (ADR) Hazard identification number ( Orange plates	R) her instructions (ADR) her special provisions e - Packages (ADR) e - Loading, unloading	$ \begin{array}{c} M6 \\ 274, 335, 375, 601 \\ 5l \\ E1 \\ P001, IBC03, LP01, R001 \\ PP1 \\ MP19 \\ T4 \\ TP1, TP29 \\ LGBV \\ AT \\ 3 \\ V12 \\ CV13 \\ \end{array} $		
Tunnel restriction code (ADR) <b>Transport by sea</b> Special provisions (IMDG) Limited quantities (IMDG) Excepted quantities (IMDG) Packing instructions (IMDG) Special packing provisions (IM		<ul> <li>274, 335, 969</li> <li>5 L</li> <li>E1</li> <li>LP01, P001</li> <li>PP1</li> </ul>		

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Tank instructions (IMDG)	:	T4
Tank special provisions (IMDG)	:	TP1, TP29
EmS-No. (Fire)	:	F-A
EmS-No. (Spillage)	:	S-F
Stowage category (IMDG)	:	Α
Inland waterway transport		
Classification code (ADN)	:	M6
Special provisions (ADN)	:	274, 335, 375, 601
Limited quantities (ADN)	:	5 L
Excepted quantities (ADN)	:	E1
Carriage permitted (ADN)	:	Т
Equipment required (ADN)	:	PP
Number of blue cones/lights (ADN)	:	0
Rail transport		
Classification code (RID)	:	M6
Special provisions (RID)	:	274, 335, 375, 601
Limited quantities (RID)	:	5L
Excepted quantities (RID)	:	E1
Packing instructions (RID)	:	P001, IBC03, LP01, R001
Special packing provisions (RID)	:	PP1
Mixed packing provisions (RID)	:	MP19
Portable tank and bulk container instructions (RID)	:	T4
Portable tank and bulk container special provisions	:	TP1, TP29
(RID)		
Tank codes for RID tanks (RID)	:	LGBV
Transport category (RID)	:	3
Special provisions for carriage – Packages (RID)	:	W12
Special provisions for carriage - Loading, unloading	:	CW13, CW31
and handling (RID)		
Colis express (express parcels) (RID)	:	CE8
Hazard identification number (RID)	:	90

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

#### SECTION 15: Regulatory information

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

#### 15.1.1. EU-Regulations

#### **REACH Annex XVII (Restriction List)**

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

#### **REACH Annex XIV (Authorisation List)**

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

#### **REACH Candidate List (SVHC)**

Contains no substance(s) listed on the REACH Candidate List

#### **PIC Regulation (Prior Informed Consent)**

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

#### **POP Regulation (Persistent Organic Pollutants)**

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

#### Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

#### Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

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#### **Drug Precursors Regulation (273/2004)**

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

#### 15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No additional information available

#### **SECTION 16: Other information**

Full text of H- and EUH-statements:		
Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4	
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4	
Aquatic Chronic 1	Hazardous to the aquatic environment – Chronic Hazard, Category 1	
Aquatic Chronic 2	Hazardous to the aquatic environment – Chronic Hazard, Category 2	
Asp. Tox. 1	Aspiration hazard, Category 1	
EUH210	Safety data sheet available on request.	
Eye Dam. 1	Serious eye damage/eye irritation, Category 1	
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2	
H302	Harmful if swallowed.	
H304	May be fatal if swallowed and enters airways.	
H312	Harmful in contact with skin.	
H315	Causes skin irritation.	
H317	May cause an allergic skin reaction.	
H318	Causes serious eye damage.	
H319	Causes serious eye irritation.	
H360F	May damage fertility.	
H410	Very toxic to aquatic life with long lasting effects.	
H411	Toxic to aquatic life with long lasting effects.	
Repr. 1B	Reproductive toxicity, Category 1B	
Skin Irrit. 2	Skin corrosion/irritation, Category 2	
Skin Sens. 1	Skin sensitisation, Category 1	
Skin Sens. 1A	Skin sensitisation, category 1A	

#### The classification complies with

: ATP 12

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.