

2.1. Classification of the substance or mixture Classification of the mixture in accordance with Regulation (EC) No 1272/2008

The mixture is classified as dangerous.

Acute Tox. 4, H302 Skin Corr. 1B, H314 Skin Sens. 1, H317 Eye Dam. 1, H318 Aquatic Chronic 2, H411 **Most serious adverse effects on human health and the environment**

Harmful if swallowed. Causes severe skin burns and eye damage. Causes serious eye damage. May cause an allergic skin reaction. Toxic to aquatic life with long lasting effects.

2.2. Label elements

Hazard pictogram



Signal word	
Danger	
Hazard statements	
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H411	Toxic to aquatic life with long lasting effects.
Precautionary statements	
P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P260	Do not breathe vapours.
P273	Avoid release to the environment.



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P280	Wear protective gloves/protective clothing/eye protection/face protectior	۱.
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.	
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rir with water or shower.	nse skin
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove cor lenses, if present and easy to do. Continue rinsing.	ntact
P310	Immediately call a POISON CENTER/doctor.	
P405	Store locked up.	
P501	Dispose of contents/container to by disposing in a hazardous waste rece	ptacle.
Requirements for	hild-resistant fastenings and tactile warning of danger	

Container must carry a tactile warning of danger. Container must be fitted with child-resistant fastening.

2.3. Other hazards

Mixture does not contain any substance meet the criteria for PBT or vPvB in accordance with Annex XIII of Regulation (EC) No. 1907/2006 (REACH) as amended. The mixture contains substances with 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

3.2. Mixtures

Mixture contains these hazardous substances and substances with the highest permissible concentration in the working environment

Identification numbers	Substance name	Content in % weight	Classification according to Regulation (EC) No 1272/2008	Note
Index: 612-067-00-9 CAS: 2855-13-2 EC: 220-666-8	3-aminomethyl-3,5,5- trimethylcyclohexylamine	25-50	Acute Tox. 4, H302 Skin Corr. 1B, H314 Skin Sens. 1A, H317 Eye Dam. 1, H318 Specific concentration limit: ATE Oral = 1030 mg/kg bw Skin Sens. 1A, H317: $C \ge 0.001$ %	
Index: 603-057-00-5 CAS: 100-51-6 EC: 202-859-9	benzyl alcohol	25-50	Acute Tox. 4, H302 Skin Sens. 1B, H317 Eye Irrit. 2, H319 Specific concentration limit: ATE Oral = 1200 mg/kg bw	
Index: 603-074-00-8 CAS: 25068-38-6 EC: 500-033-5	reaction product: bisphenol-A- (epichlorhydrin); epoxy resin (number average molecular weight ≤ 700)	5-15	Skin Irrit. 2, H315 Skin Sens. 1, H317 Eye Irrit. 2, H319 Aquatic Chronic 2, H411 Specific concentration limit: Skin Irrit. 2, H315: $C \ge 5 \%$ Eye Irrit. 2, H319: $C \ge 5 \%$	
Index: 607-732-00-5 CAS: 69-72-7 EC: 200-712-3	salicylic acid	<5	Acute Tox. 4, H302 Eye Dam. 1, H318 Repr. 2, H361d	
CAS: 1477-55-0 EC: 216-032-5	m-Phenylenebis(methylamine)	<5	Acute Tox. 4, H302 Skin Corr. 1B, H314 Skin Sens. 1, H317 Acute Tox. 3, H331 Aquatic Chronic 3, H412	
Index: 603-002-00-5 CAS: 64-17-5 EC: 200-578-6	ethanol	<2,5	Flam. Liq. 2, H225	



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Identification numbers	Substance name	Content ir % weight	-	Note
Index: 601-053-00-8 CAS: 84852-15-3 EC: 284-325-5	4-nonylphenol, branched	<1	Acute Tox. 4, H302 Skin Corr. 1B, H314 Repr. 2, H361fd Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1)	1

Notes

1 Substance of very high concern - SVHC.

Full text of all classifications and hazard statements is given in the section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Take care of your own safety. If any health problems are manifested or if in doubt, inform a doctor and show him information from this safety data sheet. If unconscious, put the person in the stabilized (recovery) position on his side with his head slightly bent backwards and make sure that airways are free; never induce vomiting. If the person vomits by himself, make sure that the vomit is not inhaled. In life threatening conditions first of all provide resuscitation of the affected person and ensure medical assistance. Respiratory arrest - provide artificial respiration immediately. Cardiac arrest - provide indirect cardiac massage immediately.

If inhaled

Terminate the exposure immediately; move the affected person to fresh air. Take care of your own safety, do not let the affected person walk! Beware of the contaminated clothes. Depending on the situation, call the medical rescue service and ensure medical treatment considering the frequent need of further observation for at least 24 hours.

If on skin

Remove contaminated clothes. Take off any rings, watches, bracelets before or during washing if worn in the contaminated areas of the skin. Rinse contaminated areas with a flow of water, lukewarm at best, for 10-30 minutes; do not use any brush, soap or neutralizers. Depending on the situation, call the medical rescue service and always ensure medical treatment. Rinse cautiously with water for several minutes. Rinse skin with water or shower.

If in eyes

Rinse eyes immediately with a flow of running water, open the eyelids (also using force if needed); remove contact lenses immediately if worn by the affected person. No neutralization should be performed in any case! Rinsing should be continued for 10-30 minutes from the inner to the outer eye corner to make sure that the other eye is not involved. Depending on the situation, call medical rescue service or ensure medical treatment as promptly as possible. Everyone must be referred for treatment even if affected only a little.

If swallowed

RINSE THE MOUTH WITH WATER IMMEDIATELY AND LET THE PERSON DRINK 2-5 dl of cold water to reduce the heating effect of the corrosive substance. Consuming larger amounts of liquid is not advisable as it may induce vomiting and potential inhaling of the corrosive substances in the lungs. The affected person must not be forced to drink, particularly if already feeling pain in the mouth or throat. In this case let the affected person only rinse the mouth with water. DO NOT PROVIDE ACTIVATED CARBON! Depending on the situation, call medical rescue service or ensure medical treatment as promptly as possible.

4.2. Most important symptoms and effects, both acute and delayed If inhaled

Inhaling vapours can cause corrosion of the breathing system.

If on skin

Causes severe skin burns. May cause an allergic skin reaction.

If in eves

Causes serious eye damage.

If swallowed

Corrosion of the digestion system can occur.

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



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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Alcohol-resistant foam, carbon dioxide, powder, water spray jet, water mist.

Unsuitable extinguishing media

Water - full jet.

5.2. Special hazards arising from the substance or mixture

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In the event of fire, carbon monoxide, carbon dioxide and other toxic gases may arise. Inhalation of hazardous degradation (pyrolysis) products may cause serious health damage.

5.3. Advice for firefighters

Self-Contained Breathing Apparatus (SCBA) with a chemical protection suit only where personal (close) contact is likely. Use a self-contained breathing apparatus and full-body protective clothing. Do not allow run-off of contaminated fire extinguishing material to enter drains or surface and ground water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Use personal protective equipment for work. Follow the instructions in the Sections 7 and 8. Do not inhale mist/vapours/spray. Prevent contact with skin and eyes.

6.2. Environmental precautions

Prevent contamination of the soil and entering surface or ground water. Do not allow to enter drains.

6.3. Methods and material for containment and cleaning up

Spilled product should be covered with suitable (non-flammable) absorbing material (sand, diatomaceous earth, earth and other suitable absorption materials); to be contained in well closed containers and removed as per the Section 13. In the event of leakage of the substantial amount of the product, inform fire brigade and other competent bodies. After removal of the product, wash the contaminated site with plenty of water. Do not use solvents.

6.4. Reference to other sections

See the Section 7, 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Prevent formation of gases and vapours in concentrations exceeding the occupational exposure limits. Do not inhale mist/vapours/spray. Prevent contact with skin and eyes. Wash hands and exposed parts of the body thoroughly after handling. Do not eat, drink or smoke when using this product. Use personal protective equipment as per Section 8. Observe valid legal regulations on safety and health protection. Avoid release to the environment.

7.2. Conditions for safe storage, including any incompatibilities Store in tightly closed containers in cold, dry and well ventilated areas designated for this purpose. Store locked up. Storage temperature +15 - +30 °C 7.3. Specific end use(s) not available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

The mixture contains substances for which occupational exposure limits are set. **DNEL**

3-aminomethyl-3,5,5-trimethylcyclohexylamine						
Workers / consumers	Route of exposure	Value	Effect	Value determination	Source	
Workers	Oral	0.526 mg/kg/24h	Chronic effects systemic			
Workers	Inhalation	0.073 mg/m ³	Chronic effects systemic			



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benzyl alcoho)I				
Workers / consumers	Route of exposure	Value	Effect	Value determination	Source
Consumers	Oral	5 mg/kg/24h	Chronic effects systemic		
Consumers	Oral	25 mg/kg/24h	Acute effects systemic		
Consumers	Dermal	5.7 mg/kg/24h	Chronic effects systemic		
Workers	Dermal	9.5 mg/kg/24h	Chronic effects systemic		
Consumers	Dermal	28.5 mg/kg/24h	Acute effects systemic		
Workers	Dermal	47 mg/kg/24h	Acute effects systemic		
Consumers	Inhalation	19.1 mg/m ³	Chronic effects systemic		
Workers	Inhalation	90 mg/m ³	Chronic effects systemic		
Consumers	Inhalation	95.5 mg/m ³	Acute effects systemic		
Workers	Inhalation	450 mg/m ³	Acute effects systemic		
ethanol					
Workers / consumers	Route of exposure	Value	Effect	Value determination	Source
Consumers	Oral	87 mg/kg/24h	Chronic effects systemic		
Consumers	Dermal	206 mg/kg/24h	Chronic effects systemic		
Workers	Dermal	343 mg/kg/24h	Chronic effects systemic		
Consumers	Dermal	950 mg/cm ²	Acute effects local		
Consumers	Inhalation	950 mg/m ³	Chronic effects systemic		
Workers	Inhalation	950 mg/m ³	Acute effects systemic		
m-Phenvlene	bis(methylamir	ne)			
Workers / consumers	Route of exposure	Value	Effect	Value determination	Source
	Dermal	0.33	Chronic effects systemic		
Workers	Derma	mg/kg/24h			
Workers	Inhalation	mg/kg/24h 1.2 mg/m ³	Chronic effects systemic		



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Workers / consumers	Route of exposure	Value	Effect	Value determination	Source
Consumers	Oral	0.75 mg/kg/24h	Chronic effects systemic		
Consumers	Dermal	3.571 mg/kg/24h	Chronic effects systemic		
Workers	Dermal	8.33 mg/kg/24h	Chronic effects systemic		
Workers	Inhalation	12.25 mg/m ³	Chronic effects systemic		
Consumers	Oral	0.75 mg/kg/24h	Acute effects systemic		
Consumers	Dermal	3.571 mg/kg/24h	Acute effects systemic		
Workers	Dermal	8.33 mg/kg/24h	Acute effects systemic		
Workers	Inhalation	12.25 mg/m ³	Chronic effects systemic		
salicylic acid					
Workers / consumers	Route of exposure	Value	Effect	Value determination	Source
Consumers	Oral	1 mg/kg/24h	Chronic effects systemic		
Consumers	Oral	4 mg/kg/24h	Acute effects systemic		
Workers	Dermal	2 mg/kg/24h	Chronic effects systemic		
Consumers	Dermal	1 mg/kg/24h	Chronic effects systemic		
Workers	Inhalation	16 mg/m ³	Chronic effects systemic		
Consumers	Inhalation	4 mg/m ³	Chronic effects systemic		
	Inhalation	1 mg/m ³	Chronic effects local		
Workers	Innanacion				
Workers Consumers	Inhalation	0.2 mg/m ³	Chronic effects local		

PNEC

3-aminomethyl-3,5,5-trimethylcyclohexylamine							
Route of exposure	Value	Value determination	Source				
Freshwater environment	0.06 mg/l						
Marine water	0.006 mg/l						
Microorganisms in sewage treatment	3.18 mg/l						
Freshwater sediment	5.784 mg/kg						
Sea sediments	0.5784 mg/kg						
Soil (agricultural)	1.121 mg/kg						
benzyl alcohol							
Route of exposure	Value	Value determination	Source				
Freshwater environment	1 mg/l						
Marine water	0.1 mg/l						
Microorganisms in sewage treatment	39 mg/l						



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benzyl alcohol			
Route of exposure	Value	Value determination	Source
Freshwater sediment	5.27 mg/kg		
Sea sediments	0.527 mg/kg		
Soil (agricultural)	0.456 mg/kg		
ethanol			
Route of exposure	Value	Value determination	Source
Freshwater environment	0.96 mg/l		
Marine water	0.79 mg/l		
Microorganisms in sewage treatment	580 mg/l		
Freshwater sediment	3.6 mg/kg		
Sea sediments	2.9 mg/kg		
Soil (agricultural)	0.63 mg/kg		
Food chain	0.72 mg/kg		
Water (intermittent release)	2.75 mg/l		
m-Phenylenebis(methyla	mine)		
Route of exposure	Value	Value determination	Source
Freshwater environment	0.094 mg/l		
Marine water	0.009 mg/l		
Microorganisms in sewage treatment	10 mg/l		
Freshwater sediment	0.43 mg/kg		
Sea sediments	0.043 mg/kg		
Soil (agricultural)	0.045 mg/kg		
reaction product: bispher	ol-A-(epichlorhy	drin); epoxy resin (number av	erage molecular weight ≤ 700)
Route of exposure	Value	Value determination	Source
Freshwater environment	0.006 mg/l		
Marine water	0.0006 mg/l		
Freshwater sediment	0.996 mg/kg		
Sea sediments	0.0996 mg/kg		
Soil (agricultural)	0.196 mg/kg		
Food chain	11 mg/kg		
Water (intermittent release)			
Microorganisms in sewage treatment	10 mg/l		
salicylic acid			
Route of exposure	Value	Value determination	Source
Freshwater environment	0.2 mg/l		
Marine water	0.02 mg/m ³		
Microorganisms in sewage treatment	162 mg/l		
Freshwater sediment	1.42 mg/kg		
Sea sediments	0.14 mg/kg		
Soil (agricultural)	0.17 mg/kg		



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8.2. Exposure controls

Take off contaminated clothing and wash before reuse. Follow the usual measures intended for health protection at work and especially for good ventilation. This can be achieved only by local suction or efficient general ventilation. Do not eat, drink and smoke during work. Wash your hands thoroughly with water and soap after work and before breaks for a meal and rest.

Eye/face protection

Protective goggles or face shield (based on the nature of the work performed).

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Skin protection

Hand protection: Protective gloves resistant to the product. When choosing appropriate thickness, material and permeability of the gloves, observe recommendations of their particular manufacturer. Observe other recommendations of the manufacturer. Other protection: protective workwear. Contaminated skin should be washed thoroughly.

Respiratory protection

Halfmask with a filter against organic vapours or a self-contained breathing apparatus as appropriate if exposure limit values of substances are exceeded or in a poorly ventilated environment.

Thermal hazard Not available.

Environmental exposure controls

Observe usual measures for protection of the environment, see Section 6.2. Collect spillage.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	liquid
Colour	colourless, yellow
color intensity	light
Odour	containing ammoniac
Melting point/freezing point	data not available
Boiling point or initial boiling point and boiling range	data not available
Flammability	data not available
Lower and upper explosion limit	data not available
Flash point	data not available
Auto-ignition temperature	not relevant
Decomposition temperature	data not available
рН	data not available
Kinematic viscosity	data not available
Viscosity	cca 700 mPa at 25 °C
Solubility in water	data not available
Partition coefficient n-octanol/water (log value)	data not available
Vapour pressure	data not available
Density and/or relative density	
Density	1.05 g/cm ³ at 25 °C
Relative vapour density	data not available
Particle characteristics	data not available
Other information	
not available	

SECTION 10: Stability and reactivity

10.1. Reactivity

9.2.

not available

10.2. Chemical stability The product is stable under normal conditions.

- 10.3. Possibility of hazardous reactions
 - Unknown.



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10.4. Conditions to avoid

The product is stable and no degradation occurs under normal use. Protect against flames, sparks, overheating and against frost.

10.5. Incompatible materials

Protect against strong acids, bases and oxidizing agents.

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10.6. Hazardous decomposition products

Not developed under normal uses. Dangerous outcomes such as carbon monoxide and carbon dioxide are formed at high temperature and in fire.

SECTION 11: Toxicological information

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

Inhalation of solvent vapors above values exceeding exposure limits for working environment may result in acute inhalation poisoning, depending on the level of concentration and exposure time. No toxicological data is available for the mixture.

Acute toxicity

Harmful if swallowed.

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Route of exposure	Parameter	Method	Value	Exposure time	Species	Sex	Value determination	
Oral	ATE		833 mg/kg				Calculation of value	
Dermal	ATE		2.200 mg/kg				Calculation of value	
Inhalation	ATE		22 mg/l	48 hours			Calculation of value	

3-aminomethyl-3,5,5-trimethylcyclohexylamine								
Route of exposure	Parameter	Method	Value	Exposure time	Species	Sex	Value determination	
Oral	LD50		1.030 mg/kg		Rat (Rattus norvegicus)			
Dermal	ATE		1.100 mg/kg					
Oral	ATE		1030 mg/kg bw					

4-nonylpheno	4-nonylphenol, branched								
Route of exposure	Parameter	Method	Value	Exposure time	Species	Sex	Value determination		
Oral	LD50		1.300 mg/kg		Rat (Rattus norvegicus)				

benzyl alcohol							
Route of exposure	Parameter	Method	Value	Exposure time	Species	Sex	Value determination
Oral	LD₅o		1.620 mg/kg		Rat (Rattus norvegicus)		
Dermal	LD50		>2.000 mg/kg		Rabbit		
Inhalation	LC50	OECD 403	>4.178 mg/l	4 hours	Rat (Rattus norvegicus)		
Oral	ATE		1200 mg/kg bw				

ethanol							
Route of exposure	Parameter	Method	Value	Exposure time	Species	Sex	Value determination
Oral	LD50	OECD 401	10.470 mg/kg		Rat (Rattus norvegicus)		
Dermal	LD50	OECD 402	>2.000 mg/kg		Rabbit		



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ethanol							
Route of exposure	Parameter	Method	Value	Exposure time	Species	Sex	Value determination
Inhalation	LC₅o	OECD 403	124.7 mg/l	4 hours	Rat (Rattus norvegicus)		
	NOAEL	OECD 451	>3.000 mg/kg				
	NOAEL	OECD 408	1.730 mg/kg/24h		Rat (Rattus norvegicus)	F	

m-Phenylenebis(methylamine)								
Route of exposure	Parameter	Method	Value	Exposure time	Species	Sex	Value determination	
Oral	LD50		930 mg/kg		Rat (Rattus norvegicus)			
	LD50		>2.000 mg/kg		Rabbit			
Inhalation	ATE		1.5 mg/l	48 hours				

reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight \leq 700)								
Route of exposure	Parameter	Method	Value	Exposure time	Species	Sex	Value determination	
Oral	LD50	OECD 420	>2.000 mg/kg		Rat (Rattus norvegicus)			
Skin	LD50		>2.000 mg/kg		Rabbit			
	NOAEL		50 mg/kg					
	NOEL	0ECD 416	540 ma/ka					

sal	icyl	ic	acid

Sancyne acia								
Route of exposure	Parameter	Method	Value	Exposure time	Species	Sex	Value determination	
Oral	LD₅o	OECD 401	1.250-1.580 mg/kg		Rat (Rattus norvegicus)			
Dermal	LD50		>2.000 mg/kg		Rat (Rattus norvegicus)			

Skin corrosion/irritation

Causes severe skin burns and eye damage. Data for the components of the mixture are not available.

Serious eye damage/irritation

Causes severe skin burns and eye damage. Causes serious eye damage. Data for the components of the mixture are not available.

Respiratory or skin sensitisation

May cause an allergic skin reaction. Data for the components of the mixture are not available.

Germ cell mutagenicity

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

Carcinogenicity

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

Reproductive toxicity

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.



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Toxicity for specific target organ - single exposure

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No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

Toxicity for specific target organ - repeated exposure

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

Aspiration hazard

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

11.2. Information on other hazards

The mixture does not contain substances with endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

SECTION 12: Ecological information

12.1. Toxicity

Toxic to aquatic life with long lasting effects. **Acute toxicity**

3-aminometh	3-aminomethyl-3,5,5-trimethylcyclohexylamine								
Parameter	Method	Value	Exposure time	Species	Environmen t				
LC50		110 mg/l	96 hours	Fish (Leuciscus idus)					
EC₅o		17.4 mg/l	48 hours	Daphnia (Daphnia magna)					
EC₅o		37 mg/l		Algae (Desmodesmus subspicatus)					

4-nonylphenol, branched								
Parameter	Method	Value	Exposure time	Species	Environmen t			
LC50		0.135 mg/l	96 hours	Fish (Lepomis macrochirus)				

benzyl alcoh	benzyl alcohol							
Parameter	Method	Value	Exposure time	Species	Environmen t			
LC50		10-460 mg/l	96 hours	Fish (Pimephales promelas)				
EC₅o	OECD 202	230 mg/l	48 hours	Daphnia (Daphnia magna)				
IC50	OECD 201	700 mg/l	72 hours	Algae (Pseudokirchneriella subcapitata)				
EC₅o	ISO 8192	390 mg/l	24 hours	Bacteria (Salmonella typhimurium)				
NOEC	OECD 201	310 mg/l	72 hours	Algae (Pseudokirchneriella subcapitata)				
NOEC	OECD 211	51 mg/l	21 days	Daphnia (Daphnia magna)				



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ethanol	ethanol								
Parameter	Method	Value	Exposure time	Species	Environmen t				
LC50	OECD 203	13.000 mg/l	96 hours	Fish (Oncorhynchus mykiss)					
EC₅o	OECD 201	12.9000 mg/l		Algae (Selenastrum capricornutum)					

reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight ≤ 700)							
Parameter	Method	Value	Exposure time	Species	Environmen t		
LC₅o		1.2 mg/l	96 hours	Fish (Oncorhynchus mykiss)			
EC₅o	OECD 202	1.1 mg/l	48 hours	Daphnia (Daphnia magna)			
IC50		>100 mg/l		Bacteria (Salmonella typhimurium)			
EC₅o		9.4 mg/l	72 hours	Algae (Selenastrum capricornutum)			
		4.2 mg/l	72 hours	Algae (Selenastrum capricornutum)			
NOEC		0.3 mg/l	21 days	Daphnia (Daphnia magna)			

salicylic acid							
Parameter	Method	Value	Exposure time	Species	Environmen t		
EC₅o		870 mg/l		Daphnia (Daphnia magna)			

12.2. Persistence and degradability

Data for the mixture are not available.

Biodegradability

benzyl alcohol	benzyl alcohol							
Parameter	Method	Value	Exposure time	Environment	Result			
	OECD 301C	92-96 %	28 days	Fresh water	Easily biodegradable			
	OECD 301A	95-97 %	21 days	Fresh water	Easily biodegradable			
ethanol								
Parameter	Method	Value	Exposure time	Environment	Result			
	OECD 301B	97 %	28 days		Easily biodegradable			
reaction produ	ct: bisphenol-A-(ep	ichlorhydrin): epo	oxy resin (number ;	average molec	ular weight < 700)			
reaction produ								
Parameter	Method	Value	Exposure time	Environment	Result			
	OECD 301F	5 %	28 days		Hardly biodegradable			

12.3. Bioaccumulative potential

Data for the mixture are not available.

benzyl alcohol

Denzyi alconol								
Parameter	Value	Exposure time	Species	Environment	Temperature [°C]	Value determinatio n		
Log Pow	1.1							



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ethanol						
Parameter	Value	Exposure time	Species	Environment	Temperature [°C]	Value determinatio n
Log Pow	-0.32					Inconclusive
BCF	0.66-3.2					
Log Kow	-0.31					
reaction proc	duct: bisphenol	-A-(epichlorhydrin); epoxy resin (nun	nber average m	nolecular weig	ght ≤ 700)
Parameter	Value	Exposure time	Species	Environment	Temperature [°C]	Value determinatio n
Log Pow	3.26				25°C	
BCF	1.11					

12.4. Mobility in soil

Data for the mixture are not available.

ethanol							
Parameter	Value	Environment	Temperature				
	0.0000138 Pa.m ³ /mol						
reaction product: bisph	reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight \leq 700)						
Parameter	Value	Environment	Temperature				
Log Koc	2.65 mg/kg		20°C				
salicylic acid	salicylic acid						
Parameter	Value	Environment	Temperature				
Log Koc	2.26						

12.5. Results of PBT and vPvB assessment

Product does not contain any substance meeting the criteria for PBT or vPvB in accordance with the Annex XIII of Regulation (EC) No 1907/2006 (REACH) as amended.

12.6. Endocrine disrupting properties

The mixture contains substances with endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

12.7. Other adverse effects

Not available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Hazard of environmental contamination; dispose of the waste in accordance with the local and/or national regulations. Proceed in accordance with valid regulations on waste disposal. Any unused product and contaminated packaging should be put in labelled containers for waste collection and submitted for disposal to a person authorised for waste removal (a specialized company) that is entitled for such activity. Do not empty unused product in drainage systems. The product must not be disposed of with municipal waste. Empty containers may be used at waste incinerators to produce energy or deposited in a dump with appropriate classification. Perfectly cleaned containers can be submitted for recycling.

Waste management legislation

Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste, as amended. Decision 2000/532/EC establishing a list of wastes, as amended.

Waste type code

08 04 09*	waste adhesives and sealants containing organic solvents or other hazardous substances	
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15 01 10* packaging containing residues of or contaminated by hazardous substances



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Packaging waste type code

15 01 02 plastic packaging

15 01 04 metallic packaging

(*) - Hazardous waste according to Directive 2008/98/EC on hazardous waste

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SECTION 14: Transport information

SECTI	ON 14: Transport information	
14.1.	UN number or ID number	
	UN 1760	
14.2.	UN proper shipping name	
	CORROSIVE LIQUID, N.O.S.	
14.3.	Transport hazard class(es)	
	8 Corrosive substances	
14.4.	Packing group	
	II	
14.5.	Environmental hazards	
	not relevant	
14.6.	Special precautions for user	
	Reference in the Sections 4 to 8.	
14.7.	Maritime transport in bulk according to IMO	instruments
	not relevant	
	Additional information	
	Hazard identification No.	80
	UN number	1760
	Classification code	C9
	Safety signs	8+hazardous for the environment
	Tunnel restriction code	(E)
	Air transport - ICAO/IATA	
	Packaging instructions passenger	851
	Cargo packaging instructions	855
	Marine transport - IMDG	
	EmS (emergency plan)	F-A, S-B
	MFAG	760
	Marine pollutant	Yes

SECTION 15: Regulatory information

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

Regulation (EC) No. 1907/2006 of the European Parliament and of the Council of 18th December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing the European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No. 793/93 and Commission Regulation (EC) No. 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, as amended. REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended. Commission Regulation (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

15.2. Chemical safety assessment

not available

SECTION 16: Other information

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SAFETY DATA SHEET

according to Commission Regulation (EU) 2020/878 as amended

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	risk phraces used in th		
A list of standard H225	risk phrases used in the s Highly flammabl	safety data sheet le liquid and vapour.	
H225 H302	Highly flammabl Harmful if swalld		
H302 H314			
		skin burns and eye damage.	
H315 H317	Causes skin irrit		
H317		llergic skin reaction.	
H318	Causes serious e		
H319	Causes serious e	-	
H331	Toxic if inhaled.		
H361d	-	maging the unborn child.	
H361fd	-		of damaging the unborn child.
H400	Very toxic to aqu		
H410		uatic life with long lasting ef	
H411	•	life with long lasting effects	
H412		atic life with long lasting effe	ects.
	fe handling used in the saf		
P101		e is needed, have product c	container or label at hand.
P102	Keep out of read	ch of children.	
P260	Do not breathe		
P273	Avoid release to	the environment.	
P280			'eye protection/face protection.
P301+P330+P331		: Rinse mouth. Do NOT indu	
P303+P361+P353		hair): Take off immediately	all contaminated clothing. Rinse skin
P305+P351+P338	IF IN EYES: Rins		several minutes. Remove contact rinsing.
P310		Il a POISON CENTER/doctor.	-
P405	Store locked up.		
P501	•		ng in a hazardous waste receptacle.
	information about human l		
The product must r		oproved by the manufacture	er/importer - used for purposes other tha ealth protection regulations.
	ons and acronyms used in		,
ADR	European agreer	-	ational carriage of dangerous goods by
DOF	road	> Eactor	
BCF	Bioconcentration		
CAS	Chemical Abstra		Non-lebell' 1 1 1
CLP			ation, labelling and packaging of
EC	substance and n		
EC EC co		ode for each substance listed	
			ected 50% of the population
EINECS		tory of Existing Commercial	r Chemical Substances
EmS	Emergency plan		
EU	European Union		
EuPCS	•	ct Categorisation System	
IATA		r Transport Association	
IBC	Dangerous Chen	micals	nd Equipment of Ships Carrying
IC50		ausing 50% blockade	
ICAO	International Civ	vil Aviation Organization	
IMDG	International Ma	aritime Dangerous Goods	
IMO		aritime Organization	
INCI		omenclature of Cosmetic Ing	gredients
ISO		ganization for Standardizati	-
IUPAC		nion of Pure and Applied Che	

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LC50	Lethal concentra population	tion of a substance in which	h it can be expected death of 50% of th
LD50	Lethal dose of a population	substance in which it can b	e expected death of 50% of the
log Kow	Octanol-water pa	artition coefficient	
NOAEL	No observed adv	erse effect level	
NOEC	No observed effe	ect concentration	
NOEL	No observed effe	ect level	
OEL	Occupational Exp	oosure Limits	
PBT	Persistent, Bioac	cumulative and Toxic	
ppm	Parts per million		
REACH	Registration, Eva	aluation, Authorisation and	Restriction of Chemicals
RID	Agreement on th	e transport of dangerous g	oods by rail
UN	Four-figure ident Model Regulatior		stance or article taken from the UN
UVCB	Substances of ur biological materia	•	ition, complex reaction products or
VOC	Volatile organic o	compounds	
vPvB	Very Persistent a	and very Bioaccumulative	
Acute Tox.	Acute toxicity		
Aquatic Acute	Hazardous to the	e aquatic environment	
Aquatic Chronic	Hazardous to the	e aquatic environment (chro	onic)
Eye Dam.	Serious eye dam	age	
Flam. Liq.	Flammable liquid	1	
Repr.	Reproductive tox	icity	
Skin Corr.	Skin corrosion		
Skin Sens.	Skin sensitization	ı	
Training guidelines			

Training guidelines

Inform the personnel about the recommended ways of use, mandatory protective equipment, first aid and prohibited ways of handling the product.

Recommended restrictions of use

not available

Information about data sources used to compile the Safety Data Sheet

REGULATION (EC) No. 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL (REACH) as amended. REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended. Data from the manufacturer of the substance / mixture, if available - information from registration dossiers.

The changes (which information has been added, deleted or modified)

The version 2.0 replaces the SDS version from 10 April 2024. Changes were made in sections 2 and 16.

Classification procedure - calculation method.

Statement

The safety data sheet provides information aimed at ensuring safety and health protection at work and environmental protection. The provided information corresponds to the current status of knowledge and experience and complies with valid legal regulations. The information should not be understood as guaranteeing the suitability and usability of the product for a particular application.

More information