

Safety data sheet in accordance

with 1907/2006/EC

Trade name: Seatec Epoxy Spachtel

Current version : 1.0.0, issued: 08.10.2020

Replaced version: -, issued: -

Region: GB

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

1.1 Product identifier

Trade name

Seatec Epoxy Spachtel

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

Relevant identified uses of the substance or mixture

filler

Uses advised against

No data available.

1.3 Details of the supplier of the safety data sheet

Address

SVB Spezialversand für Yacht- und Bootszubehör GmbH
Gelsenkirchener Strasse 25-27
28199 Bremen

Telephone no. +49(0) 421 57 29 0-0

e-mail info@svb.de

Advice on Safety Data Sheet

info@svb.de

1.4 Emergency telephone number

For medical advice (in German and English):

+49 (0)551 192 40 (Giftinformationszentrum Nord)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification in accordance with Regulation (EC) No 1272/2008 (CLP)

Aquatic Chronic 2; H411

Eye Irrit. 2; H319

Skin Irrit. 2; H315

Skin Sens. 1; H317

Classification information

This product is assessed and classified using the methods and criteria below referred to in Article 9 of Regulation (EC) n° 1272/2008:

Physical hazards: determined through assessment data based on the methods or standards referred to in part 2 of Annex I to CLP

Health hazards and environmental hazards: determined through toxicological and ecotoxicological assessment data based on the methods or standards referred to in Part 3, 4 and 5 of Annex I to CLP.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 (CLP Regulation)

Hazard pictograms



GHS07



GHS09

Signal word

Warning

Hazardous component(s) to be indicated on label:

reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight \leq 700)

Formaldehyde, polymer with (chloromethyl)oxirane and phenol

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Oxiranes, mono[(C13-15-alkyloxy)methyl] derivatives
2,2'-[hexane-1,6-diylbis(oxymethylene)]dioxirane

Hazard statement(s)

H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H411 Toxic to aquatic life with long lasting effects.

Hazard statements (EU)

EUH205 Contains epoxy constituents. May produce an allergic reaction.
EUH208 Contains Fatty acids, C18-unsatd., trimers, compds. with oleylamine, Fatty acids, tall-oil, compds. with oleylamine. May produce an allergic reaction.

Precautionary statement(s)

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P391 Collect spillage.
P501 Dispose of contents/container to a facility in accordance with local/regional/national/international regulations.

2.3 Other hazards

No data available.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable. The product is not a substance.

3.2 Mixtures

Chemical characterization

Mixture (preparation)

Hazardous ingredients

No	Substance name		Additional information	
	CAS / EC / Index / REACH no	Classification (EC) 1272/2008 (CLP)	Concentration	%
1	reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700)			
	25068-38-6 500-033-5 603-074-00-8 01-2119456619-26	Aquatic Chronic 2; H411 Eye Irrit. 2; H319 Skin Irrit. 2; H315 Skin Sens. 1; H317	>= 10.00 - < 25.00	%-b.w.
2	Formaldehyde, polymer with (chloromethyl)oxirane and phenol			
	9003-36-5 500-006-8 - 01-2119454392-40	Aquatic Chronic 2; H411 Skin Irrit. 2; H315 Skin Sens. 1; H317	>= 5.00 - < 10.00	%-b.w.
3	Oxiranes, mono[(C13-15-alkyloxy)methyl] derivatives			
	- 939-183-5 - 01-2119962192-39	Aquatic Chronic 2; H411 Skin Sens. 1; H317	< 5.00	%-b.w.
4	2,2'-[hexane-1,6-diylbis(oxymethylene)]dioxirane			
	933999-84-9 618-939-5 - 01-2119463471-41	Aquatic Chronic 3; H412 Eye Irrit. 2; H319 Skin Irrit. 2; H315 Skin Sens. 1; H317	< 5.00	%-b.w.
5	Fatty acids, C18-unsatd., trimers, compds. with oleylamine			
	147900-93-4	Skin Sens. 1B; H317	< 0.50	%-b.w.

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	604-612-4 - -	STOT RE 1; H372 Aquatic Chronic 2; H411		
6	Fatty acids, tall-oil, compds. with oleylamine			
	85711-55-3 288-315-1 - 01-2119974148-28	Skin Sens. 1A; H317 Eye Dam. 1; H318 STOT RE 2; H373	< 0.10	%-b.w.

Full Text for all H-phrases and EUH-phrases: pls. see section 16

No	Note	Specific concentration limits	M-factor (acute)	M-factor (chronic)
1	-	Eye Irrit. 2; H319: C >= 5% Skin Irrit. 2; H315: C >= 5%	-	-

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

In case of accident or if you feel unwell, seek medical advice immediately. Remove contaminated clothing and shoes immediately, and launder thoroughly before reusing. If the patient is likely to become unconscious, place and transport in stable sideways position.

After inhalation

Remove affected person from the immediate area. Ensure supply of fresh air. Irregular breathing/no breathing: artificial respiration. Call a doctor immediately.

After skin contact

Wash off immediately with soap and water. Seek medical attention.

After eye contact

Remove contact lenses. Rinse eye thoroughly under running water keeping eyelids wide open and protecting the unaffected eye (at least 10 to 15 minutes). Seek medical assistance. Separate eyelids, wash the eyes thoroughly with water (15 min.).

After ingestion

Do not induce vomiting. Rinse out mouth and give plenty of water to drink. Call a doctor immediately. Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed

No data available.

4.3 Indication of any immediate medical attention and special treatment needed

No data available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Foam; Extinguishing powder; Water spray jet; Carbon dioxide

Unsuitable extinguishing media

High power water jet

5.2 Special hazards arising from the substance or mixture

In the event of fire, the following can be released: Carbon dioxide (CO₂); Carbon monoxide (CO)

5.3 Advice for firefighters

Use self-contained breathing apparatus. Cool endangered containers with water spray jet. Wear protective clothing.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

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For non-emergency personnel

Refer to protective measures listed in sections 7 and 8. Avoid contact with skin, eyes and clothing. Ensure adequate ventilation. Do not inhale vapours.

For emergency responders

No data available. Personal protective equipment (PPE) - see Section 8.

6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater. Do not discharge into the subsoil/soil.

6.3 Methods and material for containment and cleaning up

Take up with absorbent material (e.g., sand, kieselguhr, universal binder). When collected, handle material as described under the section heading "Disposal considerations".

6.4 Reference to other sections

No data available.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling

Risks inherent to handling the product must be minimised by applying the appropriate protective and preventive measures. Working processes should - so far as possible, according to the state of the art - be designed to rule out bodily contact or the release of hazardous substances. Ensure adequate ventilation.

General protective and hygiene measures

Do not eat, drink or smoke during work time. Keep away from foodstuffs and beverages. Avoid contact with eyes and skin. Remove soiled or soaked clothing immediately. Wash hands before breaks and after work. Provide eye wash fountain in work area. Have emergency shower available. Do not inhale vapours.

Advice on protection against fire and explosion

Keep away from sources of heat and ignition.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

Keep container tightly closed in a cool, well-ventilated place.

Recommended storage temperature

Value 2 - 40 °C

Requirements for storage rooms and vessels

Containers which are opened must be carefully closed and kept upright to prevent leakage. Always keep in containers of same material as the original.

Incompatible products

Keep away from oxidizing agents, from strongly alkaline and strongly acid materials. Do not store together with foodstuffs. Do not store together with: Amines; Mercaptans

7.3 Specific end use(s)

No data available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

DNEL, DMEL and PNEC values

DNEL values (worker)

No	Substance name			CAS / EC no	
	Route of exposure	Exposure time	Effect	Value	
1	Formaldehyde, polymer with (chloromethyl)oxirane and phenol			9003-36-5 500-006-8	
	dermal	Long term (chronic)	systemic	104.15	mg/kg/day
	inhalative	Long term (chronic)	systemic	29.39	mg/m ³

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2	Oxiranes, mono[(C13-15-alkyloxy)methyl] derivatives			-	
	dermal	Long term (chronic)	systemic	4	mg/kg/day
	dermal	Short term (acut)	systemic	1	mg/kg/day
	dermal	Long term (chronic)	local	1.7	mg/cm ²
3	2,2'-[hexane-1,6-diylbis(oxymethylene)]dioxirane			933999-84-9	
				618-939-5	
	dermal	Long term (chronic)	systemic	6	mg/kg/day
	dermal	Long term (chronic)	systemic	22.6	µg/cm ²
	inhalative	Long term (chronic)	systemic	10.57	mg/m ³
	inhalative	Short term (acut)	systemic	10.57	mg/m ³
	inhalative	Long term (chronic)	local	0.44	mg/m ³

DNEL value (consumer)

No	Substance name			CAS / EC no	
	Route of exposure	Exposure time	Effect	Value	
1	Formaldehyde, polymer with (chloromethyl)oxirane and phenol			9003-36-5	
				500-006-8	
	oral	Long term (chronic)	systemic	6.25	mg/kg/day
	dermal	Long term (chronic)	systemic	62.8	mg/kg/day
2	Oxiranes, mono[(C13-15-alkyloxy)methyl] derivatives			-	
				939-183-5	
	dermal	Long term (chronic)	systemic	2.5	mg/kg/day
	dermal	Short term (acut)	systemic	0.5	mg/kg/day
	dermal	Long term (chronic)	local	1	mg/cm ²
3	2,2'-[hexane-1,6-diylbis(oxymethylene)]dioxirane			933999-84-9	
				618-939-5	
	oral	Long term (chronic)	systemic	1.5	mg/kg/day
	oral	Short term (acut)	systemic	1.5	mg/kg/day
	dermal	Long term (chronic)	systemic	3	mg/kg/day
	dermal	Short term (acut)	systemic	1.7	mg/kg/day
	dermal	Long term (chronic)	local	13.6	µg/cm ²
	dermal	Short term (acut)	local	13.6	mg/kg/day
	inhalative	Long term (chronic)	systemic	5.29	mg/m ³
	inhalative	Short term (acut)	systemic	5.29	mg/m ³
	inhalative	Long term (chronic)	local	0.27	mg/m ³

PNEC values

No	Substance name		CAS / EC no	
	ecological compartment	Type	Value	
1	Formaldehyde, polymer with (chloromethyl)oxirane and phenol		9003-36-5	
			500-006-8	
	water	fresh water	0.003	mg/L
	water	marine water	0.0003	mg/L
	water	Aqua intermittent	0.0254	mg/L
	water	fresh water sediment	0.294	mg/kg dry weight
	water	marine water sediment	0.0294	mg/kg dry weight
	soil	-	0.237	mg/kg dry weight
	sewage treatment plant	-	10	mg/L
2	Oxiranes, mono[(C13-15-alkyloxy)methyl] derivatives		-	
			939-183-5	
	water	fresh water	0.007	mg/L
	water	marine water	0.001	mg/L
	water	fresh water sediment	6.677	mg/kg dry weight
	water	marine water sediment	0.677	mg/kg dry

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	soil	-	8.012	weight mg/kg dry weight
	sewage treatment plant	-	1	mg/L
3	2,2'-[hexane-1,6-diylbis(oxymethylene)]dioxirane		933999-84-9 618-939-5	
	water	fresh water	0.011	mg/L
	water	marine water	0.001	mg/L
	water	fresh water sediment	0.283	mg/kg dry weight
	water	marine water sediment	0.028	mg/kg dry weight
	soil	-	0.223	mg/kg dry weight
	sewage treatment plant	-	1	mg/L

8.2 Exposure controls

Appropriate engineering controls

No data available.

Personal protective equipment

Respiratory protection

If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn. In case of aerosol and mist formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified.

Eye / face protection

Safety glasses with side protection shield (EN 166)

Hand protection

Sufficient protection is given wearing suitable protective gloves checked according to i.e. EN 374, in the event of risk of skin contact with the product. Before use, the protective gloves should be tested in any case for its specific work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.

Appropriate Material In case of longer-term contact:

Appropriate Material viton

Appropriate Material In case of short-term contact / splash protection:

Appropriate Material nitrile

Other

Normal chemical work clothing.

Environmental exposure controls

No data available.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form/Colour
pasty
white
Odour
weak
Odour threshold
No data available
pH value
No data available

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Boiling point / boiling range			
Value	>	200	°C
Melting point / melting range			
No data available			
Decomposition point / decomposition range			
No data available			
Flash point			
Value	>	100	°C
Auto-ignition temperature			
No data available			
Oxidising properties			
No data available			
Explosive properties			
No data available			
Flammability (solid, gas)			
No data available			
Lower flammability or explosive limits			
No data available			
Upper flammability or explosive limits			
No data available			
Vapour pressure			
No data available			
Vapour density			
No data available			
Evaporation rate			
No data available			
Relative density			
No data available			
Density			
Value	appr.	1.80	g/ml
Reference temperature		20	°C
Solubility in water			
Comments	insoluble		
Solubility(ies)			
No data available			
Partition coefficient: n-octanol/water			
No	Substance name	CAS no.	EC no.
1	reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700)	25068-38-6	500-033-5
	log Pow	appr.	3
	Reference temperature		25 °C
	with reference to	pH 7	
	Method	OECD 117	
	Source	ECHA	
2	Oxiranes, mono[(C13-15-alkyloxy)methyl] derivatives	-	939-183-5
	log Pow	>	6.5
	Source	ECHA	

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Viscosity			
Value	8	-	11 Pa*s

9.2 Other information

Other information
No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity

No data available.

10.2 Chemical stability

Stable under recommended storage and handling conditions (See section 7).

10.3 Possibility of hazardous reactions

Dangerous reactions are not to be expected when handling product according to its intended use.

10.4 Conditions to avoid

None, if handled according to intended use.

10.5 Incompatible materials

Acids; Bases; Oxidizing agents; Amines; Mercaptans

10.6 Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute oral toxicity			
No	Substance name	CAS no.	EC no.
1	reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700)	25068-38-6	500-033-5
LD50	>	2000	mg/kg bodyweight
Species	rat		
Method	OECD 420		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
2	Formaldehyde, polymer with (chloromethyl)oxirane and phenol	9003-36-5	500-006-8
LD50	>	5000	mg/kg bodyweight
Species	rat		
Method	OECD 401		
Source	ECHA		
3	Oxiranes, mono[(C13-15-alkyloxy)methyl] derivatives	-	939-183-5
LD50		30.1	mg/kg bodyweight
Species	rat		
Source	ECHA		
4	2,2'-[hexane-1,6-diylbis(oxymethylene)]dioxirane	933999-84-9	618-939-5
LD50		3010	mg/kg bodyweight
Species	rat		
Method	OECD 401		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
Acute dermal toxicity			
No	Substance name	CAS no.	EC no.

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No	Substance name	CAS no.	EC no.
1	Formaldehyde, polymer with (chloromethyl)oxirane and phenol	9003-36-5	500-006-8
LD50	>	2000	mg/kg bodyweight
Species	rat		
Method	OECD 402		
Source	ECHA		
2	Oxiranes, mono[(C13-15-alkyloxy)methyl] derivatives	-	939-183-5
LD50	>	2000	mg/kg bodyweight
Species	rabbit		
Method	OECD 402		
Source	ECHA		
3	2,2'-[hexane-1,6-diylbis(oxymethylene)]dioxirane	933999-84-9	618-939-5
LD50	>	2000	mg/kg bodyweight
Species	rabbit		
Method	OECD 402		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		

Acute inhalational toxicity

No	Substance name	CAS no.	EC no.
1	2,2'-[hexane-1,6-diylbis(oxymethylene)]dioxirane	933999-84-9	618-939-5
LC50	>	20	mg/l
Duration of exposure		4	h
State of aggregation	Vapour		
Species	rat		
Method	OECD 403		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		

Skin corrosion/irritation

No	Substance name	CAS no.	EC no.
1	Formaldehyde, polymer with (chloromethyl)oxirane and phenol	9003-36-5	500-006-8
Species	rabbit		
Method	OECD 404		
Source	ECHA		
Evaluation	low-irritant		
Evaluation/classification	Based on available data, the classification criteria are met.		
2	Oxiranes, mono[(C13-15-alkyloxy)methyl] derivatives	-	939-183-5
Species	rabbit		
Method	OECD 404		
Source	ECHA		
Evaluation	non-irritant		
3	2,2'-[hexane-1,6-diylbis(oxymethylene)]dioxirane	933999-84-9	618-939-5
Source	ECHA		
Evaluation	irritant		
Evaluation/classification	Based on available data, the classification criteria are met.		

Serious eye damage/irritation

No	Substance name	CAS no.	EC no.
1	Formaldehyde, polymer with (chloromethyl)oxirane and phenol	9003-36-5	500-006-8
Species	rabbit		
Method	OECD 405		
Source	ECHA		
Evaluation	non-irritant		
2	Oxiranes, mono[(C13-15-alkyloxy)methyl] derivatives	-	939-183-5

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Species	rabbit
Method	OECD 405
Source	ECHA
Evaluation	non-irritant
3	2,2'-[hexane-1,6-diylbis(oxymethylene)]dioxirane 933999-84-9 618-939-5
Method	OECD 405
Source	ECHA
Evaluation	Irritating to eyes
Evaluation/classification	Based on available data, the classification criteria are met.

Respiratory or skin sensitisation			
No	Substance name	CAS no.	EC no.
1	Formaldehyde, polymer with (chloromethyl)oxirane and phenol	9003-36-5	500-006-8
Route of exposure		Skin	
Species	mouse		
Method	OECD 429		
Source	ECHA		
Evaluation	sensitizing		
2	Oxiranes, mono[(C13-15-alkyloxy)methyl] derivatives	-	939-183-5
Route of exposure		Skin	
Species	guinea pig		
Method	OECD 406		
Evaluation	sensitizing		
3	2,2'-[hexane-1,6-diylbis(oxymethylene)]dioxirane	933999-84-9	618-939-5
Route of exposure		Skin	
Species	mouse		
Method	OECD 429		
Source	ECHA		
Evaluation	sensitizing		
Evaluation/classification	Based on available data, the classification criteria are met.		

Germ cell mutagenicity			
No	Substance name	CAS no.	EC no.
1	Oxiranes, mono[(C13-15-alkyloxy)methyl] derivatives	-	939-183-5
Species	Salmonella typhimurium TA98, TA100, TA1535, TA1537		
Method	OECD 471		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		

Reproduction toxicity	
No data available	

Carcinogenicity	
No data available	

STOT - single exposure	
No data available	

STOT - repeated exposure			
No	Substance name	CAS no.	EC no.
1	Formaldehyde, polymer with (chloromethyl)oxirane and phenol	9003-36-5	500-006-8
Route of exposure		oral	
NOAEL	appr.	250	mg/kg bw/d
Duration of exposure		90	day(s)
Species	rats (male/female)		
Method	OECD 408		
Source	ECHA		

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Aspiration hazard

No data available

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

Contact of the product with skin or eyes may cause irritation. Possibility of sensitisation through skin contact.

SECTION 12: Ecological information

12.1 Toxicity

Toxicity to fish (acute)			
No	Substance name	CAS no.	EC no.
1	Formaldehyde, polymer with (chloromethyl)oxirane and phenol	9003-36-5	500-006-8
LC50	>	1000	mg/l
Duration of exposure		96	h
Species	Oncorhynchus mykiss		
Method	OECD 203		
Source	ECHA		
2	Oxiranes, mono[(C13-15-alkyloxy)methyl] derivatives	-	939-183-5
LC50		7.92	mg/l
Duration of exposure		96	h
Species	fish		
Method	OECD 203		
Source	ECHA		
3	2,2'-[hexane-1,6-diylbis(oxymethylene)]dioxirane	933999-84-9	618-939-5
LC50		30	mg/l
Duration of exposure		96	h
Species	Oncorhynchus mykiss		
Method	OECD 203		
Source	ECHA		

Toxicity to fish (chronic)

No data available

Toxicity to Daphnia (acute)

No	Substance name	CAS no.	EC no.
1	Formaldehyde, polymer with (chloromethyl)oxirane and phenol	9003-36-5	500-006-8
EL50	>	1000	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Method	OECD 202		
Source	ECHA		
2	Oxiranes, mono[(C13-15-alkyloxy)methyl] derivatives	-	939-183-5
EL50		7.2	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Method	OECD 202		
Source	ECHA		
3	2,2'-[hexane-1,6-diylbis(oxymethylene)]dioxirane	933999-84-9	618-939-5
EC50		39	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Method	OECD 202		
Source	ECHA		

Toxicity to Daphnia (chronic)

No	Substance name	CAS no.	EC no.
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1	Formaldehyde, polymer with (chloromethyl)oxirane and phenol	9003-36-5	500-006-8
NOEC		0.3	mg/l
Duration of exposure		21	day(s)
Species	Daphnia magna		
Method	OECD 211		
Source	ECHA		

Toxicity to algae (acute)

No	Substance name	CAS no.	EC no.
1	reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700)	25068-38-6	500-033-5
EC50		9.1	mg/l
Duration of exposure		- 9.4	h
Species	Scenedesmus capricornutum		
Method	EPA-660/3-75-009		
Source	ECHA		

2	Formaldehyde, polymer with (chloromethyl)oxirane and phenol	9003-36-5	500-006-8
EC50		>	mg/l
Duration of exposure		1.8	h
Species	Pseudokirchneriella subcapitata		
Method	OECD 201		
Source	ECHA		
3	2,2'-[hexane-1,6-diylbis(oxymethylene)]dioxirane	933999-84-9	618-939-5
EC50		23.1	mg/l
Duration of exposure		72	h
Species	Pseudokirchneriella subcapitata		
Method	QSAR		
Source	ECHA		

Toxicity to algae (chronic)

No	Substance name	CAS no.	EC no.
1	Oxiranes, mono[(C13-15-alkyloxy)methyl] derivatives	-	939-183-5
NOEC		500	mg/l
Duration of exposure		72	h
Species	Pseudokirchneriella subcapitata		
Method	OECD 201		

Bacteria toxicity

No	Substance name	CAS no.	EC no.
1	Formaldehyde, polymer with (chloromethyl)oxirane and phenol	9003-36-5	500-006-8
IC50		100	mg/l
Duration of exposure		3	h
Species	activated sludge		
Source	ECHA		
2	Oxiranes, mono[(C13-15-alkyloxy)methyl] derivatives	-	939-183-5
IC50		>	mg/l
Species	bacteriae		
Method	OECD 209		
Source	ECHA		

12.2 Persistence and degradability

Biodegradability			
No	Substance name	CAS no.	EC no.
1	reaction product: bisphenol-A-(epichlorhydrin)	25068-38-6	500-033-5

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epoxy resin (number average molecular weight ≤ 700)	
Type	aerobic biodegradation
Method	OECD 301 F
Source	ECHA
Evaluation	Readily eliminable from water
2	Formaldehyde, polymer with (chloromethyl)oxirane and phenol 9003-36-5 500-006-8
Type	aerobic biodegradation
Value	appr. 0 %
Duration	28 day(s)
Method	Closed Bottle Test (OECD 301D)
Source	ECHA
Evaluation	not readily biodegradable

12.3 Bioaccumulative potential

Bioconcentration factor (BCF)			
No	Substance name	CAS no.	EC no.
1	Formaldehyde, polymer with (chloromethyl)oxirane and phenol	9003-36-5	500-006-8
BCF		150	
Method	QSAR		
Source	ECHA		

Partition coefficient: n-octanol/water			
No	Substance name	CAS no.	EC no.
1	reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700)	25068-38-6	500-033-5
log Pow	appr.	3	
Reference temperature		25	°C
with reference to	pH 7		
Method	OECD 117		
Source	ECHA		
2	Oxiranes, mono[(C13-15-alkyloxy)methyl] derivatives	-	939-183-5
log Pow	>	6.5	
Source	ECHA		

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

No data available.

12.6 Other adverse effects

No data available.

12.7 Other information

Other information
Do not discharge product unmonitored into the environment.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

Packaging

Residuals must be removed from packaging and when emptied completely disposed of in accordance with the

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regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer.

SECTION 14: Transport information

14.1 Transport ADR/RID/ADN

Class	9
Classification code	M6
Packing group	III
Hazard identification no.	90
UN number	UN3082
Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Technical name	reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight \leq 700)
Tunnel restriction code	-
Label	9
Environmentally hazardous substance mark	Symbol "fish and tree"

14.2 Transport IMDG

Class	9
Packing group	III
UN number	UN3082
Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Technical name	reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight \leq 700)
EmS	F-A, S-F
Label	9
Marine pollutant mark	Symbol "fish and tree"

14.3 Transport ICAO-TI / IATA

Class	9
Packing group	III
UN number	UN3082
Proper shipping name	Environmentally hazardous substance, liquid, n.o.s.
Technical name	reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight \leq 700)
Label	9
Environmentally hazardous substance mark	Symbol "fish and tree"

14.4 Other information

No data available.

14.5 Environmental hazards

Information on environmental hazards, if relevant, please see 14.1 - 14.3.

14.6 Special precautions for user

No data available.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not relevant

SECTION 15: Regulatory information

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

EU regulations

Regulation (EC) No 1907/2006 (REACH) Annex XIV (List of substances subject to authorisation)

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances considered as substances requiring authorisation as listed on Annex XIV of the REACH regulation

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(EC) 1907/2006.	
REACH candidate list of substances of very high concern (SVHC) for authorisation	
According to available data and the information provided by preliminary suppliers, the product does not contain substances that are considered substances meeting the criteria for inclusion in annex XIV (List of Substances Subject to Authorisation) as laid down in Article 57 and article 59 of REACH (EC) 1907/2006.	
Regulation (EC) No 1907/2006 (REACH) Annex XVII: RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, MIXTURES AND ARTICLES	
The product is considered being subject to REACH regulation (EC) 1907/2006 annex XVII.	No 3
Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances	
This product is subject to Part I of Annex I, risk category:	E2
Other regulations	
Adhere to the national sanitary and occupational safety regulations when using this product.	

15.2 Chemical safety assessment

A chemical safety assessment has not been carried out for this mixture.

SECTION 16: Other information

Sources of key data used to compile the data sheet:

Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case.

Directives 2000/39/EC, 2006/15/EC, 2009/161/EU, (EU) 2017/164.

National Threshold Limit Values of the corresponding countries as amended in each case.

Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.

The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding section.

Full text of the H- and EUH- phrases drawn up in sections 2 and 3 (provided not already drawn up in these sections)

H318	Causes serious eye damage.
H372	Causes damage to organs through prolonged or repeated exposure.
H373	May cause damage to organs through prolonged or repeated exposure
H412	Harmful to aquatic life with long lasting effects.

Creation of the safety data sheet

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This information is based on our present knowledge and experience.

The safety data sheet describes products with a view to safety requirements.

It does not however, constitute a guarantee for any specific product properties and shall not establish a legally valid contractual relationship.

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