

Safety data sheet in accordance

with 1907/2006/EC

Trade name: Seatec Epoxy Spachtel

Current version : 2.0.0, issued: 24.02.2022

Replaced version: 1.0.0, issued: 08.10.2020

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

2 – Component Epoxy Putty Base (Comp. A)

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(oxyethylene)]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.
EUH211 Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

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.
P391 Collect spillage.
P501 Dispose of contents/container to a facility in accordance with local and national 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

Hazardous ingredients

No	Substance name	Classification (EC) 1272/2008 (CLP)	Additional information	%
	CAS / EC / Index / REACH no		Concentration	
1	reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700)			
	25068-38-6	Aquatic Chronic 2; H411	≥ 10.00 - < 25.00	wt%
	500-033-5	Eye Irrit. 2; H319		
	603-074-00-8	Skin Irrit. 2; H315		
	01-2119456619-26	Skin Sens. 1; H317		
2	Formaldehyde, polymer with (chloromethyl)oxirane and phenol			
	9003-36-5	Aquatic Chronic 2; H411	≥ 5.00 - < 10.00	wt%
	500-006-8	Skin Irrit. 2; H315		
	-	Skin Sens. 1; H317		
	01-2119454392-40			
3	Oxiranes, mono[(C13-15-alkyloxy)methyl] derivatives			
	-	Aquatic Chronic 2; H411	< 5.00	wt%
	939-183-5	Skin Sens. 1; H317		
	-			
	01-2119962192-39			
4	titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]			
	13463-67-7	Carc. 2; H351i	< 5.00	wt%
	236-675-5			
	022-006-00-2			

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	01-2119489379-17			
5	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	wt%
6	Fatty acids, C18-unsatd., trimers, compds. with oleylamine			
	147900-93-4 604-612-4 - 01-2119971821-33	Skin Sens. 1; H317 STOT RE 2; H373 Aquatic Chronic 2; H411 Acute Tox. 4; H302	< 0.50	wt%
7	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	wt%

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%	-	-
4	V, W, 10	-	-	-

Full text for the notes: pls. see section 16 "Notes relating to the identification, classification and labelling of substances ((EC) No 1272/2008, Annex VI)".

No	Route, target organ, concrete effect
4	H351i inhalational; -; -

Acute toxicity estimate (ATE) values			
No	oral	dermal	inhalative
3	30,1 mg/kg bodyweight		

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 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

After skin contact immediately wash with water and soap and rinse thoroughly. Consult a doctor if skin irritation persists.

After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.). Seek medical assistance.

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.

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SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Carbon dioxide; Extinguishing powder; Water spray jet

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

Fire-fighting operations, rescue and clearing work under effect of combustion and smoulder gases just may be done with breathing apparatus. Cool endangered containers with water spray jet. Run-off water from fire fighting must not be discharged into drains or enter surface water. Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Refer to protective measures listed in sections 7 and 8. Avoid contact with skin, eyes and clothing. Ensure adequate ventilation. Remove persons to safety. Keep away from ignition sources. 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. In case of entry into waterways, soil or drains, inform the responsible authorities.

6.3 Methods and material for containment and cleaning up

Pick up with absorbent material (e.g., sand, kieselguhr, acid binder, universal binder, sawdust) and send for disposal. When collected, handle material as described under the section heading "Disposal considerations".

6.4 Reference to other sections

Information regarding waste disposal, see section 13.

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. Provide good ventilation at the work area (local exhaust ventilation, if necessary).

General protective and hygiene measures

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

Advice on protection against fire and explosion

Take precautionary measures against static charges. Keep away from sources of ignition - refrain from smoking. Vapours can form an explosive mixture with air. Use explosion-proof equipment/fittings and non-sparking tools.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

Keep container tightly closed, cool and dry. Stabilizer may lose effectiveness by long-term storage of product.

Recommended storage temperature

Value 2 - 40 °C

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Requirements for storage rooms and vessels

Store in original packing at room temperature.

Incompatible products

Store the foodstuffs separately. Do not store together with: oxidizing agents; Acids; Alkalis; Amines; Mercaptans

7.3 Specific end use(s)

No data available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values

No	Substance name	CAS no.	EC no.
1	titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]	13463-67-7	236-675-5
List of approved workplace exposure limits (WELs) / EH40			
Titanium dioxide			
total inhalable dust			
	WEL long-term (8-hr TWA reference period)	10	mg/m ³
List of approved workplace exposure limits (WELs) / EH40			
Titanium dioxide			
respirable dust			
	WEL long-term (8-hr TWA reference period)	4	mg/m ³

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
2	Oxiranes, mono[(C13-15-alkyloxy)methyl] derivatives	- 939-183-5		
	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	titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]	13463-67-7 236-675-5		
	inhalative	Long term (chronic)	local	10 mg/m ³
4	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

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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	titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]			13463-67-7 236-675-5
	oral	Long term (chronic)	systemic	700 mg/kg/day
4	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 weight
	soil	-	8.012 mg/kg dry weight
	sewage treatment plant	-	1 mg/L
3	titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]		13463-67-7 236-675-5
	water	fresh water	0.127 mg/L
	water	marine water	1 mg/L
	water	Aqua intermittent	0.61 mg/L
	water	fresh water sediment	1000 mg/kg
	with reference to: dry weight		
	water	marine water sediment	100 mg/kg
	with reference to: dry weight		
	soil	-	100 mg/kg
	with reference to: dry weight		
	sewage treatment plant	-	100 mg/L

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	secondary poisoning	mammalian	1667	mg/kg
4	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 brief exposure or low level concentrations use a respiratory filter device. Short term: filter apparatus, combination filter A-P2; In case of intensive or longer exposure use self-contained breathing apparatus.

Eye / face protection

Tightly fitting safety glasses (EN 166).

Hand protection

Protective gloves (EN 374); 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. Besides the suitable material, the choice of protective gloves depends additionally on quality criteria which may vary from one manufacturer to the other.

Appropriate Material

Fluorocarbon rubber (Viton)

Appropriate Material

In case of short-term contact / splash protection:

Appropriate Material

nitrile

Other

Protective work clothing.

Environmental exposure controls

No data available.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

State of aggregation	
liquid	
Form/Colour	
pasty	
white	
Odour	
weak	
pH value	
No data available	
Boiling point / boiling range	
Value	> 200 °C

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Melting point/freezing point			
No data available			
Decomposition temperature			
No data available			
Flash point			
Value	>	100	°C
Ignition temperature			
No data available			
Explosive properties			
The product is not explosive. Formation of explosive/highly flammable air-vapour mixtures is possible during/after use.			
Flammability			
No data available			
Lower explosion limit			
Value		0.8	% vol
Upper explosion limit			
Value		11.3	% vol
Vapour pressure			
Value		0.89	kPa
Reference temperature		20	°C
Reference substance	Xylene		
Relative vapour density			
not determined			
Relative density			
No data available			
Density			
Value		1.80	g/ml
Reference temperature		20	°C
Solubility in water			
Comments	insoluble		
Solubility			
No data available			
Partition coefficient n-octanol/water (log value)			
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	
Viscosity			
Value	8	- 11	Pa*s
Type	dynamic		
Particle characteristics			

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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 if stored and handled properly.

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

Amines; Oxidizing agents; Acids; Bases; Mercaptans

10.6 Hazardous decomposition products

In case of fire: see section 5.

SECTION 11: Toxicological information

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

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	titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]	13463-67-7	236-675-5
LD50	>	2000	mg/kg bodyweight
Species	rat		
Method	OECD 401		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
5	2,2'-(hexane-1,6-diylbis(oxymethylene)dioxirane	933999-84-9	618-939-5
LD50		3010	mg/kg bodyweight
Species	rat		

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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.
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
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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
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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	titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]	13463-67-7	236-675-5

LC50	>	6.82	mg/l
Duration of exposure		4	h
State of aggregation	Dust		
Species	rat		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		

2	2,2'-[hexane-1,6-diylbis(oxymethylene)]dioxirane	933999-84-9	618-939-5
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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
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Species	rabbit		
Method	OECD 404		
Source	ECHA		
Evaluation	non-irritant		

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3	titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]	13463-67-7	236-675-5
Species	rabbit		
Method	OECD 404		
Source	ECHA		
Evaluation	non-irritant		
Evaluation/classification	Based on available data, the classification criteria are not met.		
4	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
Species	rabbit		
Method	OECD 405		
Source	ECHA		
Evaluation	non-irritant		
3	titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]	13463-67-7	236-675-5
Species	rabbit		
Method	OECD 405		
Source	ECHA		
Evaluation	non-irritant		
Evaluation/classification	Based on available data, the classification criteria are not met.		
4	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	titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]	13463-67-7	236-675-5
Route of exposure	Skin		

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Species	mouse
Method	OECD 429
Source	ECHA
Evaluation	non-sensitizing
Evaluation/classification	Based on available data, the classification criteria are not met.

4	2,2'-[hexane-1,6-diylbis(oxymethylene)]dioxirane	933999-84-9	618-939-5
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Route of exposure	Skin
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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.

2	titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]	13463-67-7	236-675-5
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Type of examination	In vitro mammalian cytogenicity
Method	OECD 487
Source	ECHA
Evaluation/classification	Based on available data, the classification criteria are not met.

Reproduction toxicity

No	Substance name	CAS no.	EC no.
1	titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]	13463-67-7	236-675-5

Route of exposure	oral
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NOAEL	>=	1000	mg/kg bw/d
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Type of examination	Reproductive studies - one generation
Species	rat
Method	OECD 443
Source	ECHA
Evaluation/classification	Based on available data, the classification criteria are not met.

Route of exposure	oral
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NOAEL		1000	mg/kg bw/d
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Type of examination	Prenatal Developmental Toxicity Study
Species	rat
Method	OECD 414
Source	ECHA
Evaluation/classification	Based on available data, the classification criteria are not met.

Carcinogenicity

No	Substance name	CAS no.	EC no.
1	titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]	13463-67-7	236-675-5

Route of exposure	oral
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NOEL		7500	mg/kg bw/d
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Species	mouse
Source	ECHA
Evaluation/classification	Based on available data, the classification criteria are not met.

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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	
2	titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]	13463-67-7	236-675-5
Route of exposure		oral	
NOAEL		> 962	mg/kg bw/d
Species		rat	
Method		OECD 408	
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	

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.			

11.2 Information on other hazards

Endocrine disrupting properties

No data available.

Other information

No data available.

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	

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Source	ECHA
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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.
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 - 9.4	mg/l
Duration of exposure		72	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		>	1.8 mg/l
Duration of exposure		72	h
Species	Pseudokirchneriella subcapitata		
Method	OECD 201		
Source	ECHA		
3	titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]	13463-67-7	236-675-5
EC50		>	100 mg/l
Duration of exposure		72	h
Species	Pseudokirchneriella subcapitata		

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Method	OECD 201
Source	ECHA
4	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		> 100	mg/l
Species	bacteriae		
Method	OECD 209		
Source	ECHA		
3	titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]	13463-67-7	236-675-5
EC50		> 1000	
Duration of exposure		3	h
Species	activated sludge		
Method	OECD 209		
Source	ECHA		

12.2 Persistence and degradability

Biodegradability			
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
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		

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with 1907/2006/EC

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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 (log value)			
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 Endocrine disrupting properties

No data available.

12.7 Other adverse effects

No data available.

12.8 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

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

Safety data sheet in accordance

with 1907/2006/EC

Trade name: Seatec Epoxy Spachtel

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Region: GB

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 Maritime transport in bulk according to IMO instruments

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 (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
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Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances

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This product is subject to Part I of Annex I, risk category:	E2
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Other regulations

Observe employment restrictions for young people. Observe employment restrictions for child bearing mothers and nursing mothers.

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)

H302	Harmful if swallowed.
H318	Causes serious eye damage.
H351i	Suspected of causing cancer by inhalation.
H373	May cause damage to organs through prolonged or repeated exposure
H412	Harmful to aquatic life with long lasting effects.

Notes relating to the identification, classification and labelling of substances and mixtures ((EC) No 1272/2008, Annex VI)

V	If the substance is to be placed on the market as fibres (with diameter < 3 µm, length > 5 µm and aspect ratio ≥ 3:1) or particles of the substance fulfilling the WHO fibre criteria or as particles with modified surface chemistry, their hazardous properties must be evaluated in accordance with Title II of this Regulation, to assess whether a higher category (Carc. 1B or 1A) and/or additional routes of exposure (oral or dermal) should be applied.
W	It has been observed that the carcinogenic hazard of this substance arises when respirable dust is inhaled in quantities leading to significant impairment of particle clearance mechanisms in the lung. This note aims to describe the particular toxicity of the substance; it does not constitute a criterion for classification according to this Regulation.
1	The concentration stated or, in the absence of such concentrations, the generic concentrations of this Regulation (Table 3.1) or the generic concentrations of Directive 1999/45/EC (Table 3.2), are the percentages by weight of the metallic element calculated with reference to the total weight of the mixture.

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.

Alterations/supplements:

Alterations to the previous edition are marked in the left-hand margin.

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Prod-ID 770329