

Safety data sheet in accordance

with 1907/2006/EC

Trade name: Seatec Epoxy Reparatur Set

Current version : 1.0.0, issued: 21.09.2020

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 Reparatur Set

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

Relevant identified uses of the substance or mixture

Epoxy resin

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 ≤ 700)

p-tert-butylphenyl 1-(2,3-epoxy)propyl ether

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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.

Precautionary statement(s)

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P501 Dispose of contents/container to a facility in accordance with local and national regulations.

Supplemental label elements

Contains epoxides. May cause allergic reactions.

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

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 \leq 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	\geq 50.00 - $<$ 70.00	%-b.w.
2	p-tert-butylphenyl 1-(2,3-epoxy)propyl ether			
	3101-60-8 221-453-2 - 01-2119959496-20	Aquatic Chronic 2; H411 Skin Sens. 1; H317	\geq 25.00 - $<$ 50.00	%-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 \geq 5% Skin Irrit. 2; H315: C \geq 5%	-	-

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

In case of persisting adverse effects, consult a physician. 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. Poisonous symptoms can first be observed after several hours, therefore medical observation for at least 48 hours is necessary.

After inhalation

Remove affected persons from dangerous area by observing suitable respiratory protection measures. Ensure supply

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of fresh air. Irregular breathing/no breathing: artificial respiration. Do not use mouth-to-mouth or mouth-to-nose resuscitation. If unconscious place in recovery position and seek medical advice.

After skin contact

In case of contact with skin wash off immediately with copious amounts of water. Consult a doctor if skin irritation persists.

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). Call a doctor immediately.

After ingestion

Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person. Do not induce vomiting.

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

Alcohol resistant foam, CO₂, powders, water spray

Unsuitable extinguishing media

High power water jet

5.2 Special hazards arising from the substance or mixture

When heating or in case of fire formation of toxic gases. Carbon monoxide and carbon dioxide

5.3 Advice for firefighters

Use self-contained breathing apparatus. Wear protective clothing. Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations. May form explosive gas-air mixtures.

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. Forms slippery surfaces with water. Keep away from ignition sources. Do not inhale vapours/aerosols.

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. In case of entry into waterways, soil or drains, inform the responsible authorities.

6.3 Methods and material for containment and cleaning up

Take up with absorbent material (e.g., sand, kieselguhr, universal binder). Send in suitable containers for recovery or disposal.

6.4 Reference to other sections

No data available.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling

Provide good ventilation at the work area (local exhaust ventilation, if necessary). Provide good room ventilation even at ground level (vapours are heavier than air). Avoid formation of aerosols.

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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. Wash hands before breaks and after work.

Advice on protection against fire and explosion

Keep away from sources of ignition - refrain from smoking. Vapours can form an explosive mixture with air. Ignitable mixtures can form in the empty container. Take precautionary measures against static charges. 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 and dry in a cool, well-ventilated place. Protect from heat and direct sunlight.

Recommended storage temperature

Value 15 - 25 °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. Protect from heat and direct sunlight.

Incompatible products

Do not store together with: Bases; organic materials; Alcohols; Amines; Store the foodstuffs separately. Do not store together with animal feedstocks.

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	p-tert-butylphenyl 1-(2,3-epoxy)propyl ether			3101-60-8 221-453-2	
	dermal	Long term (chronic)	systemic	1	mg/kg/day
	dermal	Short term (acute)	systemic	1	mg/kg/day
	dermal	Long term (chronic)	local	1.6	µg/cm ²
	dermal	Short term (acute)	local	1.6	µg/cm ²
	inhalative	Long term (chronic)	systemic	3.5	mg/m ³
	inhalative	Short term (acute)	systemic	3.5	mg/m ³
	inhalative	Long term (chronic)	local	3.5	mg/m ³
inhalative	Short term (acute)	local	3.5	mg/m ³	

DNEL value (consumer)

No	Substance name			CAS / EC no	
	Route of exposure	Exposure time	Effect	Value	
1	p-tert-butylphenyl 1-(2,3-epoxy)propyl ether			3101-60-8 221-453-2	
	dermal	Long term (chronic)	systemic	0.5	mg/kg/day
	dermal	Short term (acute)	systemic	0.5	mg/kg/day
	dermal	Long term (chronic)	local	0.95	µg/cm ²
	dermal	Short term (acute)	local	0.95	µg/cm ²
	inhalative	Long term (chronic)	systemic	1.75	mg/m ³
	inhalative	Long term (chronic)	local	1.75	mg/m ³

PNEC values

No	Substance name		CAS / EC no
	ecological compartment	Type	Value

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1	p-tert-butylphenyl 1-(2,3-epoxy)propyl ether		3101-60-8	
	water	fresh water	7.5	µg/L
	water	marine water	0.75	µg/L
	water	fresh water sediment	33.54	mg/kg dry weight
	water	marine water sediment	3.354	mg/kg dry weight
	soil	-	11.4	mg/kg dry weight
	sewage treatment plant	-	100	mg/L

8.2 Exposure controls

Appropriate engineering controls

No data available.

Personal protective equipment

Respiratory protection

In case of aerosol, vapour and mist formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified. In case of brief exposure or low level concentrations use a respiratory filter device. In case of intensive or longer exposure use self-contained breathing apparatus.

Respirator A/P2

Eye / face protection

Tightly fitting safety glasses (EN 166).

Hand protection

Besides the suitable material, the choice of protective gloves depends additionally on quality criteria which may vary from one manufacturer to the other. Check in any case suitability of protective glove for the specific workplace conditions (e.g. mechanical resistance, product compatibility, antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves.

Appropriate Material	butyl rubber		
Material thickness	>=	0.4	mm
Breakthrough time	>=	480	min
Appropriate Material	nitrile rubber		

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	
liquid	
light yellow	
Odour	
No data available	
Odour threshold	
No data available	
pH value	
No data available	
Boiling point / boiling range	
No data available	
Melting point / melting range	
Value	-15 °C

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Decomposition point / decomposition range			
No data available			
Flash point			
Value	>	135	°C
Ignition temperature			
Value	>	290	°C
Auto-ignition temperature			
Value			°C
Comments	Product is not selfigniting.		
Oxidising properties			
No data available			
Explosive properties			
The product does not have explosive properties.			
Flammability (solid, gas)			
No data available			
Lower flammability or explosive limits			
No data available			
Upper flammability or explosive limits			
No data available			
Vapour pressure			
Value	>	2.3	hPa
Vapour density			
No data available			
Evaporation rate			
No data available			
Relative density			
No data available			
Density			
Value		1.14	g/cm ³
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 with reference to Method Source		25 °C
		pH 7 OECD 117 ECHA	
Viscosity			
Value		700 - 1000	mPa*s
Reference temperature		25	°C
Type	dynamic		

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9.2 Other information

Other information

No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity

Dangerous reactions are not expected if the product is handled according to its intended use.

10.2 Chemical stability

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

10.3 Possibility of hazardous reactions

Vapours may form an explosive mixture with air. Polymerization under development of heat.

10.4 Conditions to avoid

None, if handled according to intended use.

10.5 Incompatible materials

Bases; Reactions with organic substances. Alcohols; Amines

10.6 Hazardous decomposition products

In case of fire: see section 5.

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 \leq 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.		

Acute dermal toxicity

No data available

Acute inhalational toxicity

No data available

Skin corrosion/irritation

No data available

Serious eye damage/irritation

No data available

Respiratory or skin sensitisation

No data available

Germ cell mutagenicity

No data available

Reproduction toxicity

No data available

Carcinogenicity

No data available

STOT - single exposure

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No data available

STOT - repeated exposure

No data available

Aspiration hazard

No data available

SECTION 12: Ecological information

12.1 Toxicity

Toxicity to fish (acute)

No data available

Toxicity to fish (chronic)

No data available

Toxicity to Daphnia (acute)

No data available

Toxicity to Daphnia (chronic)

No data available

Toxicity to algae (acute)

No data available

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	Duration of exposure	9.1 - 9.4 72	mg/l h
Species	Scenedesmus capricornutum		
Method	EPA-660/3-75-009		
Source	ECHA		

Toxicity to algae (chronic)

No data available

Bacteria toxicity

No data available

12.2 Persistence and degradability

Biodegradability

No	Substance name	CAS no.	EC no.
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1	reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700)	25068-38-6	500-033-5
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Type	aerobic biodegradation
Method	OECD 301 F
Source	ECHA
Evaluation	Readily eliminable from water

12.3 Bioaccumulative potential

Partition coefficient: n-octanol/water

No	Substance name	CAS no.	EC no.
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1	reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700)	25068-38-6	500-033-5
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log Pow	appr.	3	
Reference temperature with reference to		25	°C
Method	pH 7 OECD 117		
Source	ECHA		

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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

Waste code 08 02 99 wastes not otherwise specified

The listed waste code numbers, according to the European Waste Catalogue, are to be understood as a recommendation. A final decision must be made in agreement with the regional waste disposal company.

Packaging

Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse. Packaging that cannot be cleaned should be disposed of in agreement with the regional waste disposal company.

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.
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.
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.
Label	9
Environmentally hazardous substance mark	Symbol "fish and tree"

14.4 Other information

No data available.

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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 (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, PREPARATIONS AND ARTICLES

The product is considered being subject to REACH regulation (EC) 1907/2006 annexe XVII.	No 3
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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
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15.2 Chemical safety assessment

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

SECTION 16: Other information

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