

# Safety data sheet in accordance

with 1907/2006/EC

**Trade name:** Seatec Epoxy Harz

**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 Harz**

### 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  $\leq$  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	<b>reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight <math>\leq</math> 700)</b>			
	25068-38-6	Aquatic Chronic 2; H411	>= 50.00 - < 70.00	% -b.w.
	500-033-5	Eye Irrit. 2; H319		
	603-074-00-8	Skin Irrit. 2; H315		
	01-2119456619-26	Skin Sens. 1; H317		
2	<b>p-tert-butylphenyl 1-(2,3-epoxy)propyl ether</b>			
	3101-60-8	Aquatic Chronic 2; H411	>= 25.00 - < 50.00	% -b.w.
	221-453-2	Skin Sens. 1; H317		
	-			
	01-2119959496-20			

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, CO<sub>2</sub>, 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 <sup>2</sup>
	dermal	Short term (acute)	local	1.6	µg/cm <sup>2</sup>
	inhalative	Long term (chronic)	systemic	3.5	mg/m <sup>3</sup>
	inhalative	Short term (acute)	systemic	3.5	mg/m <sup>3</sup>
	inhalative	Long term (chronic)	local	3.5	mg/m <sup>3</sup>
inhalative	Short term (acute)	local	3.5	mg/m <sup>3</sup>	

##### 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 <sup>2</sup>
	dermal	Short term (acute)	local	0.95	µg/cm <sup>2</sup>
	inhalative	Long term (chronic)	systemic	1.75	mg/m <sup>3</sup>
	inhalative	Long term (chronic)	local	1.75	mg/m <sup>3</sup>

##### PNEC values

No	Substance name		CAS / EC no
	ecological compartment	Type	Value

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1	<b>p-tert-butylphenyl 1-(2,3-epoxy)propyl ether</b>		<b>3101-60-8</b>	
	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

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

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<b>Decomposition point / decomposition range</b>			
No data available			
<b>Flash point</b>			
Value	>	135	°C
<b>Ignition temperature</b>			
Value	>	290	°C
<b>Auto-ignition temperature</b>			
Value			°C
Comments	Product is not selfigniting.		
<b>Oxidising properties</b>			
No data available			
<b>Explosive properties</b>			
The product does not have explosive properties.			
<b>Flammability (solid, gas)</b>			
No data available			
<b>Lower flammability or explosive limits</b>			
No data available			
<b>Upper flammability or explosive limits</b>			
No data available			
<b>Vapour pressure</b>			
Value	>	2.3	hPa
<b>Vapour density</b>			
No data available			
<b>Evaporation rate</b>			
No data available			
<b>Relative density</b>			
No data available			
<b>Density</b>			
Value		1.14	g/cm <sup>3</sup>
Reference temperature		20	°C
<b>Solubility in water</b>			
Comments	insoluble		
<b>Solubility(ies)</b>			
No data available			
<b>Partition coefficient: n-octanol/water</b>			
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	
<b>Viscosity</b>			
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
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<b>STOT - repeated exposure</b>
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No data available
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<b>Aspiration hazard</b>
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No data available
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## SECTION 12: Ecological information

### 12.1 Toxicity

<b>Toxicity to fish (acute)</b>
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No data available
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<b>Toxicity to fish (chronic)</b>
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No data available
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<b>Toxicity to Daphnia (acute)</b>
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No data available
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<b>Toxicity to Daphnia (chronic)</b>
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No data available
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<b>Toxicity to algae (acute)</b>
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No data available
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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		

<b>Toxicity to algae (chronic)</b>
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No data available
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<b>Bacteria toxicity</b>
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No data available
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### 12.2 Persistence and degradability

<b>Biodegradability</b>
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No data available
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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		

### 12.3 Bioaccumulative potential

<b>Partition coefficient: n-octanol/water</b>
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No data available
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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		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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