

Version 1.1

Print Date 06.05.2025

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

#### **1.1 Product identifier**

Trade name

SCHÖNOX<sup>®</sup> EPB Part A

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

Product use : Epoxy coating

### 1.3 Details of the supplier of the safety data sheet

Company name of supplier	:	Sika Nederland B.V.
		Zonnebaan 56
		3542 EG Utrecht
		Nederland
Telephone	:	+31-30-2410120
Telefax	:	+31-30-2414482
E-mail address of person	:	EHS@nl.sika.com
responsible for the SDS		

#### **1.4 Emergency telephone number**

+31-57-0854201

## **SECTION 2: Hazards identification**

## 2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 12	72/2008)
Skin irritation, Category 2	H315: Causes skin irritation.
Eye irritation, Category 2	H319: Causes serious eye irritation.
Skin sensitisation, Category 1	H317: May cause an allergic skin reaction.
Long-term (chronic) aquatic hazard, Cat- egory 2	H411: Toxic to aquatic life with long lasting effects.

#### 2.2 Label elements

### Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms



Signal word

: Warning



Revision Date: 02.05.2025 Date of last issue: 29.04.2025	Ve	ersion 1.1	Print Date 06.05.2025
Hazard statements :	H317 May H319 Cau	uses skin irritation. / cause an allergic skin reaction. uses serious eye irritation. ic to aquatic life with long lasting e	effects.
Precautionary statements :	<b>Prevention:</b> P261 P264 P273 P280	Avoid breathing mist or vapours. Wash skin thoroughly after hand Avoid release to the environmen Wear protective gloves/ eye prot protection.	lling. .t
	Response:	If all is initialized as a second second second	
	P333 + P313 P391	If skin irritation or rash occurs: G advice/ attention. Collect spillage.	iet medical

## Hazardous components which must be listed on the label:

bis-[4-(2,3-epoxipropoxi)phenyl]propane Reaction mass of isomers of epoxy resin BFDGE p-tert-butylphenyl 1-(2,3-epoxy)propyl ether

#### 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.



Version 1.1

Print Date 06.05.2025

# **SECTION 3: Composition/information on ingredients**

## 3.2 Mixtures

#### Components

Chemical name	CAS-No. EC-No. Registration number	Classification	Concentration (% w/w)
bis-[4-(2,3- epoxipropoxi)phenyl]propane	1675-54-3 216-823-5 01-2119456619-26- XXXX	Skin Irrit. 2; H315 Eye Irrit. 2; H319 Skin Sens. 1; H317 Aquatic Chronic 2; H411 specific concentration limit Eye Irrit. 2; H319 >= 5 % specific concentration limit Skin Irrit. 2; H315 >= 5 %	>= 60 - < 80
bis(isopropyl)naphthalene	38640-62-9 254-052-6 01-2119565150-48- XXXX	Asp. Tox. 1; H304 Aquatic Chronic 1; H410	>= 10 - < 20
Reaction mass of isomers of epoxy resin BFDGE	Not Assigned 701-263-0 01-2119454392-40- XXXX	Skin Irrit. 2; H315 Skin Sens. 1A; H317 Aquatic Chronic 2; H411	>= 5 - < 10
p-tert-butylphenyl 1-(2,3- epoxy)propyl ether	3101-60-8 221-453-2 01-2119959496-20- XXXX	Skin Sens. 1; H317 Aquatic Chronic 2; H411	>= 5 - < 10

For explanation of abbreviations see section 16.

## **SECTION 4: First aid measures**

#### 4.1 Description of first aid measures

General advice	: Move out of dangerous area. Consult a physician. Show this safety data sheet to the doctor in attendance.
If inhaled	: Move to fresh air. Consult a physician after significant exposure.



Wash off will symptoms         In case of eye contact       Immediately Remove contact         In case of eye contact       Immediately Remove contact         If swallowed       Do not indu Rinse mouth Do not give Never give at the symptoms and effects, both Symptoms         Symptoms       Allergic read Excessive later	ictions
Remove condition         Keep eye wilf eye irritation         If swallowed       :         Do not indu         Rinse mouth         Do not give         Never give <b>4.2 Most important symptoms and effects, both</b> Symptoms       :         Allergic read         Excessive la	<ul> <li>antact lenses.</li> <li>vide open while rinsing.</li> <li>an persists, consult a specialist.</li> <li>and without medical advice.</li> <li>by with water.</li> <li>by milk or alcoholic beverages.</li> <li>anything by mouth to an unconscious person.</li> </ul>
Anse mout Do not give Never give A.2 Most important symptoms and effects, both Symptoms : Allergic read Excessive la	th with water. e milk or alcoholic beverages. anything by mouth to an unconscious person. acute and delayed actions
Symptoms : Allergic read Excessive la	ictions
Symptoms : Allergic read Excessive la	ictions
Erythema Dermatitis See Sectior and sympto	n 11 for more detailed information on health effects
	n irritation. an allergic skin reaction. rious eye irritation.
irritant effect sensitising e	
4.3 Indication of any immediate medical attentic	on and special treatment needed
Treatment : Treat sympt	-
SECTION 5: Firefighting measures	
5.1 Extinguishing media	
Suitable extinguishing media : In case of fi	ire, use water/water spray/water jet/carbon diox- am/alcohol resistant foam/chemical powder for
5.2 Special hazards arising from the substance	or mixture
	w run-off from fire fighting to enter drains or water
Hazardous combustion prod- : No hazardo ucts	ous combustion products are known



Revision Date: 02.05.2025 Date of last issue: 29.04.2025	Version 1.1	Print Date 06.05.2025
5.3 Advice for firefighters		
Special protective equipment for firefighters	: In the event of fire, wear self-contained br	eathing apparatus.
Further information	: Collect contaminated fire extinguishing war must not be discharged into drains. Fire residues and contaminated fire exting be disposed of in accordance with local re	guishing water must

## **SECTION 6: Accidental release measures**

## 6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions	:	Use personal protective equipment. Deny access to unprotected persons.	
6.2 Environmental precautions			

### Environmental precautions : Do not flush into surface water or sanitary sewer system. If the product contaminates rivers and lakes or drains inform respective authorities.

## 6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal.

## 6.4 Reference to other sections

For personal protection see section 8.

## **SECTION 7: Handling and storage**

#### 7.1 Precautions for safe handling

Advice on safe handling	<ul> <li>Avoid exceeding the given occupational exposure limits (see section 8).</li> <li>Do not get in eyes, on skin, or on clothing.</li> <li>For personal protection see section 8.</li> <li>Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.</li> <li>Smoking, eating and drinking should be prohibited in the application area</li> </ul>
	plication area. Follow standard hygiene measures when handling chemical products

Advice on protection against : Normal measures for preventive fire protection.



Revision Date: 02.05.2025 Date of last issue: 29.04.2025	Version 1.1	Print Date 06.05.2025
fire and explosion		
Hygiene measures	Handle in accordance with good industrial practice. When using do not eat or drink. I smoke. Wash hands before breaks and at	When using do not
7.2 Conditions for safe storage, in	cluding any incompatibilities	
Requirements for storage areas and containers	Keep container tightly closed in a dry and place. Containers which are opened must sealed and kept upright to prevent leakage ance with local regulations.	be carefully re-
Further information on stor- age stability	No decomposition if stored and applied as	directed.
7.3 Specific end use(s)		
Specific use(s)	Consult most current local Product Data S use.	heet prior to any

## **SECTION 8: Exposure controls/personal protection**

#### 8.1 Control parameters

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#### **Occupational Exposure Limits**

Contains no substances with occupational exposure limit values.

#### 8.2 Exposure controls

#### Engineering measures

Maintain air concentrations below occupational exposure standards. Ensure adequate ventilation, especially in confined areas.

#### Personal protective equipment

Eye/face protection	: Safety glasses with side-shields conforming to EN166 Eye wash bottle with pure water
Hand protection	<ul> <li>Chemical-resistant, impervious gloves complying with an approved standard must be worn at all times when handling chemical products. Reference number EN 374. Follow manufacturer specifications.</li> <li>Suitable for short time use or protection against splashes: Butyl rubber/nitrile rubber gloves (&gt; 0,1 mm) Contaminated gloves should be removed.</li> <li>Suitable for permanent exposure: Viton gloves (0.4 mm), breakthrough time &gt;30 min.</li> </ul>
Skin and body protection	: Protective clothing (e.g. Safety shoes acc. to EN ISO 20345, long-sleeved working clothing, long trousers). Rubber aprons and protective boots are additionaly recommended for mixing



Revision Date: 02.05.2025 Date of last issue: 29.04.2025	Version 1.1	Print Date 06.05.2025
	and stirring work.	
Respiratory protection	: No special measures required.	
Environmental exposure cor	ntrols	
General advice	: Do not flush into surface water or sanitary If the product contaminates rivers and lake respective authorities.	

## **SECTION 9: Physical and chemical properties**

## 9.1 Information on basic physical and chemical properties

Physical state Appearance Colour	:	liquid viscous liquid transparent
Odour	:	epoxy-like
Melting point/ range / Freez- ing point	:	No data available
Boiling point/boiling range	:	No data available
Flammability (solid, gas)	:	No data available
Upper/lower flammability or e	axe	losive limits
Upper explosion limit / Upper explosion limit / Upper flammability limit		
Lower explosion limit / Lower flammability limit	:	No data available
Flash point	:	> 101 °C Method: closed cup
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
рН	:	Not applicable substance/mixture is non-soluble (in water)



Revision Date: 02.05.2025 Date of last issue: 29.04.2025	Version 1.1	Print Date 06.05.2025
Viscosity Viscosity, dynamic	: ca. 2.700 mPa.s (23 °C)	
Viscosity, kinematic	: > 20,5 mm2/s (40 °C)	
<b>Solubility(ies)</b> Water solubility	: insoluble	
Partition coefficient: n- octanol/water	: No data available	
Vapour pressure	: 0,01 hPa	
Density	: ca. 1,13 g/cm3 (20 °C)	
Relative vapour density	: No data available	
Particle characteristics	: No data available	

## 9.2 Other information

No data available

## **SECTION 10: Stability and reactivity**

### **10.1 Reactivity**

No dangerous reaction known under conditions of normal use.

## **10.2 Chemical stability**

The product is chemically stable.

## 10.3 Possibility of hazardous reactions

Hazardous reactions : Stable under recommended storage conditions.

### 10.4 Conditions to avoid

## 10.5 Incompatible materials

Materials to avoid : No data available

## **10.6 Hazardous decomposition products**

2



Revision Date: 02.05.2025 Date of last issue: 29.04.2025 Version 1.1

Print Date 06.05.2025

No hazardous decomposition products are known.

## **SECTION 11: Toxicological information**

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

#### Acute toxicity

Not classified due to lack of data.

### Components:

#### bis-[4-(2,3-epoxipropoxi)phenyl]propane:

Acute oral toxicity	:	LD50 Oral (Rat): > 5.000 mg/kg
Acute dermal toxicity	:	LD50 Dermal (Rabbit): > 5.000 mg/kg
bis(isopropyl)naphthalene:		
Acute oral toxicity	:	LD50 Oral (Rat): > 3.900 mg/kg
Acute inhalation toxicity	:	LC50 (Rat): > 5,64 mg/l Exposure time: 4 h Test atmosphere: dust/mist
Acute dermal toxicity	:	LD50 Dermal (Rat): > 4.500 mg/kg
p-tert-butylphenyl 1-(2,3-ep	оху	)propyl ether:
Acute oral toxicity	:	LD50 Oral (Rat): > 5.000 mg/kg
Acute inhalation toxicity	:	LC50 (Rat): 3.466 mg/l Exposure time: 4 h Test atmosphere: dust/mist
Acute dermal toxicity	:	LD50 Dermal (Rabbit): 6.000 mg/kg
Skin corrosion/irritation		

Causes skin irritation.

## Serious eye damage/eye irritation

Causes serious eye irritation.

#### Respiratory or skin sensitisation

#### Skin sensitisation

May cause an allergic skin reaction.

## **Respiratory sensitisation**

Not classified due to lack of data.



Version 1.1

Print Date 06.05.2025

# Germ cell mutagenicity

Not classified due to lack of data.

## Carcinogenicity

Not classified due to lack of data.

### Reproductive toxicity

Not classified due to lack of data.

#### STOT - single exposure

Not classified due to lack of data.

#### STOT - repeated exposure

Not classified due to lack of data.

#### Aspiration toxicity

Not classified due to lack of data.

## **11.2 Information on other hazards**

#### Endocrine disrupting properties

#### Product:

Assessment

: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

## **SECTION 12: Ecological information**

#### 12.1 Toxicity

#### Components:

#### bis-[4-(2,3-epoxipropoxi)phenyl]propane:

Toxicity to fish	:	LC50 (Oncorhynchus mykiss (rainbow trout)): 2 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): 1,8 mg/l Exposure time: 48 h

### Reaction mass of isomers of epoxy resin BFDGE:

Toxicity to fish	:	LC50 (Leuciscus idus (Golden orfe)): 2,54 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	:	LC50 (Daphnia magna (Water flea)): 2,55 mg/l Exposure time: 48 h
Toxicity to algae/aquatic plants	:	EC50 (algae): 1,8 mg/l Exposure time: 72 h



Version 1.1

Print Date 06.05.2025

## 12.2 Persistence and degradability

No data available

#### 12.3 Bioaccumulative potential

No data available

### 12.4 Mobility in soil

No data available

#### 12.5 Results of PBT and vPvB assessment

#### **Product:**

Assessment	: This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher
0	

#### Components:

## bis(isopropyl)naphthalene:

Assessment :	vPvB substance
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#### 12.6 Endocrine disrupting properties

#### Product:

Assessment	: The substance/mixture does not contain components consid-
	ered to have endocrine disrupting properties according to
	REACH Article 57(f) or Commission Delegated regulation
	(EU) 2017/2100 or Commission Regulation (EU) 2018/605 at
	levels of 0.1% or higher.

#### 12.7 Other adverse effects

#### Product:

Additional ecological infor-	:	An environmental hazard cannot be excluded in the event of
mation		unprofessional handling or disposal.
		Toxic to aquatic life with long lasting effects.

## **SECTION 13: Disposal considerations**

13.1 Waste treatment methods		
Product	:	The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor.



Version 1.1

Print Date 06.05.2025

Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

# **SECTION 14: Transport information**

14.1 UN number or ID number			
ADR	:	UN 3082	
IMDG	:	UN 3082	
ΙΑΤΑ	:	UN 3082	
14.2 UN proper shipping name			
ADR	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, L N.O.S. (epoxy resin)	IQUID,
IMDG	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, L N.O.S. (epoxy resin)	IQUID,
ΙΑΤΑ	:	Environmentally hazardous substance, liquid, n.o.s. (epoxy resin)	
14.3 Transport hazard class(es)			
		Class Subsidiary risks	
ADR	:	9	
IMDG	:	9	
ΙΑΤΑ	:	9	
14.4 Packing group			
ADR Packing group Classification Code Hazard Identification Number Labels Tunnel restriction code Remarks		III M6 90 9 (-) Transport in accordance with special provision 375	
IMDG			
Packing group Labels EmS Code Remarks	: : :	III 9 F-A, S-F Transport in accordance with 2.10.2.7 of the IMDG-Co	de
Country NL 100000058732			12 / 16



Print Date 06.05.2025

Date of last issue: 29.04.2025				Filit Date 00.03.20
-				
	IATA (Cargo)			
	Packing instruction (cargo aircraft)	:	964	
	Packing instruction (LQ)	:	Y964	
	Packing group	:	111	
	Labels	:	Miscellaneous	
	Remarks	:	Transport in accordance with special regulation	ו A 197
	IATA (Passenger)			
	Packing instruction (passen- ger aircraft)	:	964	
	Packing instruction (LQ)	:	Y964	
	Packing group	:	III	
	Labels	:	Miscellaneous	
	14.5 Environmental hazards			
	ADR			
	Environmentally hazardous	:	yes	
	IMDG			
	Marine pollutant	:	yes	
	IATA (Passenger)			
	Environmentally hazardous	:	yes	
	IATA (Cargo)			
	Environmentally hazardous	:	yes	
	14.6 Special precautions for use	r		

Version 1.1

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

#### 14.7 Maritime transport in bulk according to IMO instruments

Not applicable for product as supplied.

## **SECTION 15: Regulatory information**

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

International Chemical Weapons Convention (CWC) : Not applicable Schedules of Toxic Chemicals and Precursors

**REACH** Information:

Revision Date: 02.05.2025

- All substances contained in our Products are
- registered by our upstream suppliers, and/or
- registered by us, and/or
- excluded from the regulation, and/or
- exempted from the registration.



Revision Date: 02.05.2025 Date of last issue: 29.04.2025	Version 1	1.1	Print Date 06.05.2025		
REACH - Restrictions on the mar the market and use of certain dar mixtures and articles (Annex XVI	ngerous substances,	:	Conditions of restriction for the fol- lowing entries should be considered: Number on list 3		
			Number on list 75		
REACH - Candidate List of Subst Concern for Authorisation (Article		:	None of the components are listed (=> 0.1 %).		
REACH - List of substances subj (Annex XIV)	ect to authorisation	:	Not applicable		
Regulation (EU) No 2024/590 on plete the ozone layer	substances that de-	:	Not applicable		
Regulation (EU) 2019/1021 on petants (recast)	ersistent organic pollu-	:	Not applicable		
Regulation (EU) No 649/2012 of t ment and the Council concerning of dangerous chemicals		:	Not applicable		
Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the cont jor-accident hazards involving dangerous substances. E2 ENVIRONMENTAL HAZARDS					
Volatile organic compounds : Law on the incentive tax for volatile organic compounds (VOCV) Volatile organic compounds (VOC) content: 0,01% w/w no VOC duties					
	4 November 2010 on industrial and s (integrated pollution prevention ds (VOC) content: 0,01% w/w				

## 15.2 Chemical safety assessment

No Chemical Safety Assessment has been carried out for this mixture by the supplier.



Version 1.1

Print Date 06.05.2025

## **SECTION 16: Other information**

### **Full text of H-Statements**

H304 H315 H317 H319 H410 H411	:	May be fatal if swallowed and enters airways. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Very toxic to aquatic life with long lasting effects. Toxic to aquatic life with long lasting effects.
Full text of other abbreviatio	ons	
Aquatic Chronic Asp. Tox. Eye Irrit. Skin Irrit. Skin Sens. ADR	:	Long-term (chronic) aquatic hazard Aspiration hazard Eye irritation Skin irritation Skin sensitisation European Agreement concerning the International Carriage of
CAS DNEL EC50 GHS IATA IMDG LD50	::	Dangerous Goods by Road Chemical Abstracts Service Derived no-effect level Half maximal effective concentration Globally Harmonized System International Air Transport Association International Maritime Code for Dangerous Goods Median lethal dosis (the amount of a material, given all at
LC50	:	once, which causes the death of 50% (one half) of a group of test animals) Median lethal concentration (concentrations of the chemical in air that kills 50% of the test animals during the observation period)
MARPOL	:	International Convention for the Prevention of Pollution from Ships, 1973 as modified by the Protocol of 1978
OEL PBT PNEC REACH	:	Occupational Exposure Limit Persistent, bioaccumulative and toxic Predicted no effect concentration Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Reg- istration, Evaluation, Authorisation and Restriction of Chemi- cals (REACH), establishing a European Chemicals Agency
SVHC vPvB	:	Substances of Very High Concern Very persistent and very bioaccumulative

## **Further information**

Classification of t	he mixture:	Classification procedure:
Skin Irrit. 2	H315	Calculation method
Eye Irrit. 2	H319	Calculation method
Skin Sens. 1	H317	Calculation method



Revision Date: 02.05.2025 Date of last issue: 29.04.2025			Print Date 06.05.2025
Aquatic Chronic 2	H411	Calculation method	

The information contained in this Safety Data Sheet corresponds to our level of knowledge at the time of publication. All warranties are excluded. Our most current General Sales Conditions shall apply. Please consult the product data sheet prior to any use and processing.

Changes as compared to previous version !

NL / EN