

Version 5.2

Print Date 24.04.2025

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

#### **1.1 Product identifier**

Trade name

Sikafloor<sup>®</sup>-150/280 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 Ireland Ltd
		Sika House
		Ballymun Industrial Estate
		Dublin 11
Telephone	:	+353 1862 0709
E-mail address of person	:	EHS@UK.Sika.com
responsible for the SDS		

#### 1.4 Emergency telephone number

National Poisons Information Centre (NPIC) (01) 809 2166 (available 8am - 10pm every day)

Sika Ireland (01) 862 0709 (available during office hours)

## **SECTION 2: Hazards identification**

#### 2.1 Classification of the substance or mixture

# Classification (REGULATION (EC) No 1272/2008)Skin irritation, Category 2H315: Causes skin irritation.Eye irritation, Category 2H319: Causes serious eye irritation.Skin sensitisation, Category 1H317: May cause an allergic skin reaction.Long-term (chronic) aquatic hazard, Cat-<br/>egory 2H411: Toxic to aquatic life with long lasting effects.

## 2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

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Revision Date: 24.04.2025 Version 5.2 Print Date 24.04.2025 Date of last issue: 30.04.2024 Hazard pictograms 2 Signal word Warning 1 Causes skin irritation. Hazard statements H315 May cause an allergic skin reaction. H317 H319 Causes serious eye irritation. H411 Toxic to aquatic life with long lasting effects. Prevention: Precautionary statements : P261 Avoid breathing mist or vapours. Wash skin thoroughly after handling. P264 Avoid release to the environment. P273 Wear protective gloves/ eye protection/ face P280 protection. **Response:** P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention. P391 Collect spillage.

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

bis-[4-(2,3-epoxipropoxi)phenyl]propane Reaction mass of isomers of epoxy resin BFDGE oxirane, mono[(C12-14-alkyloxy)methyl] derivs.

#### 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.

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# **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 	>= 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
oxirane, mono[(C12-14- alkyloxy)methyl] derivs.	68609-97-2 271-846-8 01-2119485289-22- XXXX	Skin Irrit. 2; H315 Skin Sens. 1; H317 Repr. 1B; H360F	>= 5 - < 10

For explanation of abbreviations see section 16.

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

#### 4.1 Description of first aid measures

General advice	Consult a pl	dangerous area. hysician. afety data sheet to the doctor in attendance.
If inhaled	: Move to free Consult a pl	sh air. hysician after significant exposure.

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In case of skin contact	:	Take off contaminated clothing and shoes ir Wash off with soap and plenty of water. If symptoms persist, call a physician.	nmediately.
In case of eye contact	:	Immediately flush eye(s) with plenty of wate Remove contact lenses. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.	r.
If swallowed	:	Do not induce vomiting without medical advi Rinse mouth with water. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconse	
4.2 Most important symptoms a	nd (	effects, both acute and delaved	
Symptoms	:	Allergic reactions Excessive lachrymation Erythema Dermatitis See Section 11 for more detailed information and symptoms.	n on health effects
Risks	:	irritant effects sensitising effects	
12 Indication of any immediate	ma	dical attention and special treatment neede	<b>.</b>
Treatment	:	Treat symptomatically.	FU
SECTION 5: Firefighting mean	sur	es	
5.1 Extinguishing media			
Suitable extinguishing media	:	In case of fire, use water/water spray/water ide/sand/foam/alcohol resistant foam/chemic extinction.	
5.2 Special hazards arising from	the	e substance or mixture	
Specific hazards during fire- fighting	:	Do not allow run-off from fire fighting to ente courses.	r drains or water
Hazardous combustion prod- ucts	:	No hazardous combustion products are kno	wn
5.3 Advice for firefighters			
Special protective equipment for firefighters	:	In the event of fire, wear self-contained brea	thing apparatus.
Further information	:	Collect contaminated fire extinguishing wate	r separately. This

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must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

# **SECTION 6: Accidental release measures**

6.1 Personal precautions, protect	ive	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 cont	tair	nment 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> <li>Follow standard hygiene measures when handling chemical products</li> </ul>
Advice on protection against fire and explosion	:	Normal measures for preventive fire protection.
Hygiene measures	:	Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday.

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## 7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers	:	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully re- sealed and kept upright to prevent leakage. Store in accord- ance with local regulations.
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 Sheet prior to any use.

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

#### 8.1 Control parameters

#### **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	:	Chemical-resistant, impervious gloves complying with an ap- proved standard must be worn at all times when handling chemical products. Reference number EN 374. Follow manu- facturer specifications. Suitable for short time use or protection against splashes: Butyl rubber/nitrile rubber gloves (> 0,1 mm) Contaminated gloves should be removed. Suitable for permanent exposure: Viton gloves (0.4 mm), breakthrough time >30 min.
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 and stirring work.
Respiratory protection	:	No special measures required.

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# Environmental exposure controls

General advice

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

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

#### 9.1 Information on basic physical and chemical properties

Information on basic physical	l an	
Physical state	:	liquid
Colour	:	various
Odour	:	very faint
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	eyr	losive limits
Upper explosion limit / Up- per flammability limit	-	
Lower explosion limit / Lower flammability limit	:	No data available
Flash point	:	> 101 °C Method: closed cup
Auto-ignition temperature	:	Not applicable
Decomposition temperature	:	No data available
рН	:	ca. 7 Concentration: 100 %
Viscosity		
Viscosity, dynamic	:	ca. 1.600 mPa.s (20 °C)
Viscosity, kinematic	:	> 20,5 mm2/s (40 °C)

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<b>Solubility(ies)</b> Water solubility	: insoluble	
Partition coefficient: n- octanol/water	: No data available	
Vapour pressure	: 0,01 hPa	
Density	: ca. 1,1 g/cm3 (20 °C)	
Relative vapour density Particle characteristics	<ul><li>No data available</li><li>No data available</li></ul>	

# 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

Conditions to avoid : No data available

# 10.5 Incompatible materials

Materials to avoid : No data available

## **10.6 Hazardous decomposition products**

No decomposition if stored and applied as directed.

**SECTION 11: Toxicological information** 

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

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Acute toxicity

# Components:

bis-[4-(2,3-epoxipropoxi)phenyl]propane:
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Acute oral toxicity	:	LD50 Oral (Rat): > 5.000 mg/kg
Acute dermal toxicity	:	LD50 Dermal (Rabbit): > 5.000 mg/kg
<b>bis(isopropyl)naphthalene:</b> 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

# oxirane, mono[(C12-14-alkyloxy)methyl] derivs.:

Acute oral toxicity : LD50 Oral (Rat): > 5.000 mg/kg

# 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	:	EC50 (Daphnia magna (Water flea)): 1,8 mg/l





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aquatic invertebrates	Exposure time: 48 h	
Reaction mass of isomers of e	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	
12.2 Persistence and degradability		
No data available		
<b>12.3 Bioaccumulative potential</b> No data available		
<b>12.4 Mobility in soil</b> No data available		
12.5 Results of PBT and vPvB ass	essment	
Product:		
Assessment :	This substance/mixture contains no components to be either persistent, bioaccumulative and toxi very persistent and very bioaccumulative (vPvB) 0.1% or higher	c (PBT), or
Components:		
bis(isopropyl)naphthalene:		
Assessment :	vPvB substance	
12.6 Endocrine disrupting properti	es	
Product:		
Assessment :	The substance/mixture does not contain component ered to have endocrine disrupting properties acc REACH Article 57(f) or Commission Delegated ( (EU) 2017/2100 or Commission Regulation (EU) levels of 0.1% or higher.	cording to regulation
12.7 Other adverse effects		
Product:		
Additional ecological infor- : mation	An environmental hazard cannot be excluded in unprofessional handling or disposal. Toxic to aquatic life with long lasting effects.	the event of



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# **SECTION 13: Disposal considerations**

#### 13.1 Waste treatment methods

Product	<ul> <li>The generation of waste should be avoided or minimized wherever possible.</li> <li>Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way.</li> <li>Dispose of surplus and non-recyclable products via a licensed waste disposal contractor.</li> <li>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.</li> <li>Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.</li> </ul>
European Waste Catalogue	: 08 01 11* waste paint and varnish containing organic solvents or other dangerous substances
Contaminated packaging	: 15 01 10* packaging containing residues of or contaminated by dangerous substances

# **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	:	ENVIRONMENTALL N.O.S. (epoxy resin)	LY HAZARDOUS SUBSTANCE, LIQUID,	
IMDG	:	ENVIRONMENTALL N.O.S. (epoxy resin)	LY HAZARDOUS SUBSTANCE, LIQUID,	
ΙΑΤΑ	:	Environmentally hazardous substance, liquid, n.o.s. (epoxy resin)		
14.3 Transport hazard class(es)				
		Class	Subsidiary risks	
ADR	:	9		
IMDG	:	9		
Occurate JE 00000000017				4 /

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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 provis	sion 375
IMDG			
Packing group	:	III	
Labels EmS Code	÷	9	
Remarks	:	F-A, S-F Transport in accordance with 2.10.2.7 of th	e IMDG-Code
IATA (Cargo)			
Packing instruction (cargo aircraft)	:	964	
Packing instruction (LQ)	:	Y964	
Packing group	:		
Labels Remarks	:	Miscellaneous Transport in accordance with special regula	ation A 197
IATA (Passenger)			
Packing instruction (passen- ger aircraft)	:	964	
Packing instruction (LQ)	:	Y964	
Packing group	÷		
Labels 4.5 Environmental hazards	•	Miscellaneous	
ADR			
Environmentally hazardous	:	yes	
IMDG Marine pollutant	:	yes	
IATA (Passenger) Environmentally hazardous	:	yes	
IATA (Cargo) Environmentally hazardous	:	yes	
4.6 Special precautions for user	r		

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.

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14.7 Maritime transport in bulk accordi	ng to IMO instruments	

Not applicable for product as supplied.

# **SECTION 15: Regulatory information**

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<b>15.1 Safety, health and environ</b> International Chemical Wea Schedules of Toxic Chemic	apons Convention (CWC)	tion :	specific for the substance or mixture Not applicable
REACH Information:	All substances contain - registered by our ups - registered by us, and - excluded from the re - exempted from the re	strea d/or gula	im suppliers, and/or tion, and/or
REACH - Restrictions on th the market and use of certa mixtures and articles (Anne	in dangerous substances,	:	Conditions of restriction for the fol- lowing entries should be considered: Number on list 3
			Number on list 75
REACH - Candidate List of Concern for Authorisation (		:	None of the components are listed (=> 0.1 %).
REACH - List of substance: (Annex XIV)	s subject to authorisation	:	Not applicable
Regulation (EU) No 2024/5 plete the ozone layer	90 on substances that de-	:	Not applicable
Regulation (EU) 2019/1021 tants (recast)	on persistent organic pollu-	:	Not applicable
Regulation (EU) No 649/20 ment and the Council conce of dangerous chemicals	12 of the European Parlia- erning the export and import	:	Not applicable
Seveso III: Directive 2012/1 jor-accident hazards involvi E2			and of the Council on the control of ma-

Volatile organic compounds : Law on the incentive tax for volatile organic compounds

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## (VOCV)

Volatile organic compounds (VOC) content: 0,01% w/w no VOC duties

Directive 2010/75/EU of 24 November 2010 on industrial and livestock rearing emissions (integrated pollution prevention and control) Volatile organic compounds (VOC) content: 0,01% w/w

If other regulatory information applies that is not already provided elsewhere in the Safety Data Sheet, then it is described in this subsection.

Health, safety and environ-	: Environmental Protection Act 1990 & Subsidiary Regulations
mental regulation/legislation	Health and Safety at Work Act 1974 & Subsidiary Regulations
specific for the substance or	Control of Substances Hazardous to Health Regulations
mixture:	(COSHH)
	May be subject to the Control of Major Accident Hazards Regulations (COMAH), and amendments.

#### 15.2 Chemical safety assessment

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

#### **SECTION 16: Other information**

H304:May be fatal if swallowed and enters airways.H315:Causes skin irritation.H317:May cause an allergic skin reaction.H319:Causes serious eye irritation.H360F:May damage fertility.	Full text of H-Statements		
H317:May cause an allergic skin reaction.H319:Causes serious eye irritation.	H304	: Ma	ay be fatal if swallowed and enters airways.
H319 : Causes serious eye irritation.	H315	: Ca	auses skin irritation.
•	H317	: Ma	ay cause an allergic skin reaction.
H360F : May damage fertility.	H319	: Ca	auses serious eye irritation.
	H360F	: Ma	lay damage fertility.
H410 : Very toxic to aquatic life with long lasting effects.	H410	: Ve	ery toxic to aquatic life with long lasting effects.
H411 : Toxic to aquatic life with long lasting effects.	H411	: To	oxic to aquatic life with long lasting effects.
Full text of other abbreviations	Full text of other abbreviati	ons	
Aquatic Chronic : Long-term (chronic) aquatic hazard	Aquatic Chronic	: Lo	ong-term (chronic) aquatic hazard
Asp. Tox. : Aspiration hazard	Asp. Tox.	: As	spiration hazard
Eye Irrit. : Eye irritation	Eye Irrit.	: Ey	ye irritation
Repr. : Reproductive toxicity	Repr.	: Re	eproductive toxicity
Skin Irrit. : Skin irritation	Skin Irrit.	: Sk	kin irritation
Skin Sens. : Skin sensitisation	Skin Sens.	: Sk	kin sensitisation
ADR : European Agreement concerning the International Carriage of	ADR	: Eu	uropean Agreement concerning the International Carriage of
Dangerous Goods by Road		Da	angerous Goods by Road
CAS : Chemical Abstracts Service	CAS	: Cł	hemical Abstracts Service
DNEL : Derived no-effect level	DNEL	: De	erived no-effect level
EC50 : Half maximal effective concentration	EC50	: Ha	alf maximal effective concentration
GHS : Globally Harmonized System	GHS	: Gl	lobally Harmonized System
IATA : International Air Transport Association	ΙΑΤΑ	: Int	ternational Air Transport Association
IMDG : International Maritime Code for Dangerous Goods	IMDG	: Int	ternational Maritime Code for Dangerous Goods
LD50 : Median lethal dosis (the amount of a material, given all at	LD50	: Me	ledian lethal dosis (the amount of a material, given all at

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		once, which causes the death of 50% (one test animals)	e half) of a group of
LC50	:	Median lethal concentration (concentration air that kills 50% of the test animals during period)	
MARPOL	:	International Convention for the Preventio Ships, 1973 as modified by the Protocol o	
OEL	:	Occupational Exposure Limit	
PBT	:	Persistent, bioaccumulative and toxic	
PNEC	:	Predicted no effect concentration	
REACH	:	Regulation (EC) No 1907/2006 of the Euro and of the Council of 18 December 2006 of istration, Evaluation, Authorisation and Re cals (REACH), establishing a European C	concerning the Reg- estriction of Chemi-
SVHC vPvB	:	Substances of Very High Concern Very persistent and very bioaccumulative	

#### **Further information**

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

IE / EN