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

#### 1.1 Product identifier

Trade name

Sikafloor<sup>®</sup>-150 Plus / 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 Limited Watchmead Welwyn Garden City Hertfordshire. AL7 1BQ
Telephone	:	+44 (0)1707 394444
Telefax	:	+44 (0)1707 329129
E-mail address of person responsible for the SDS	:	EHS@uk.sika.com

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

National Chemical Emergency Centre (NCEC) 24 Hour Emergency Telephone Number +44 870 190 6777

#### **SECTION 2: Hazards identification**

#### 2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)					
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

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Hazard statements :		Causes skin irritation.	
		May cause an allergic skin reaction.	
		Causes serious eye irritation.	
	H411 1	oxic to aquatic life with long lasting	effects.
Precautionary statements :	Prevention:		
	P261	Avoid breathing mist or vapours	
	P264	Wash skin thoroughly after hand	
	P273	Avoid release to the environmer	0
	P280	Wear protective gloves/ eye pro	tection/ face
		protection.	
	Response:		
	P333 + P313	If skin irritation or rash occurs: C advice/ attention.	Get medical
	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 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.



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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 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.



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In case of skin contact	:	Take off contaminated clothing and shoes imp Wash off with soap and plenty of water. If symptoms persist, call a physician.	mediately.
In case of eye contact	:	Immediately flush eye(s) with plenty of water. Remove contact lenses. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.	
If swallowed	:	Do not induce vomiting without medical advice Rinse mouth with water. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconsci	
4.2 Most important symptoms an	d e	ffects, both acute and delayed	
Symptoms	:	Allergic reactions Excessive lachrymation Erythema Dermatitis See Section 11 for more detailed information and symptoms.	on health effects
Risks	:	Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation.	
		irritant effects sensitising effects	
4.3 Indication of any immediate n	nec	lical attention and special treatment needed	1
Treatment	:	Treat symptomatically.	-
SECTION 5: Firefighting meas	ur	es	
5.1 Extinguishing media			
Suitable extinguishing media	:	In case of fire, use water/water spray/water je ide/sand/foam/alcohol resistant foam/chemica extinction.	
5.2 Special hazards arising from	the	substance or mixture	
•		Do not allow run-off from fire fighting to enter	drains or water



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5.3 Advice for firefighters Special protective equipment for firefighters	:	In the event of fire, wear self-contained breathi	ng apparatus.
Further information	:	Collect contaminated fire extinguishing water s must not be discharged into drains. Fire residues and contaminated fire extinguish be disposed of in accordance with local regular	ing water must
SECTION 6: Accidental releas	e I	neasures	

## 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>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>
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Advice on protection against : fire and explosion	Normal measures for preventive fire protection.	
Hygiene measures :	Handle in accordance with good industrial hygie practice. When using do not eat or drink. When smoke. Wash hands before breaks and at the er	using do not
7.2 Conditions for safe storage, in	luding any incompatibilities	
Requirements for storage : areas and containers	Keep container tightly closed in a dry and well-ve place. Containers which are opened must be ca sealed and kept upright to prevent leakage. Stor ance with local regulations.	refully re-
Further information on stor- : age stability	No decomposition if stored and applied as direct	ed.
7.3 Specific end use(s)		
Specific use(s) :	Consult most current local Product Data Sheet p use.	rior to any

## **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 equipme	nt	
Evelface protection		Catation

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,



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	long-sleeved working clothing, long trousers and protective boots are additionaly recomm and stirring work.	, i
Respiratory protection :	No special measures required.	
Environmental exposure contro	ols	
General advice :	Do not flush into surface water or sanitary see If the product contaminates rivers and lakes 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 o	exp	losive limits
<b>Upper/lower flammability or </b> Upper explosion limit / Up- per flammability limit	-	
Upper explosion limit / Up-	-	
Upper explosion limit / Upper flammability limit	-	No data available No data available
Upper explosion limit / Up- per flammability limit Lower explosion limit / Lower flammability limit	:	No data available No data available > 101 °C Method: closed cup



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pH :	Not applicable substance/mixture is non-soluble (in water)	
Viscosity		
Viscosity, dynamic :	ca. 2.700 mPa.s (23 °C)	
Viscosity, kinematic :	> 20,5 mm2/s (40 °C)	
Solubility(ies)		
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

Conditions to avoid	: No data availal	ble
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#### 10.5 Incompatible materials



Materials to avoid			
	:	No data available	
0.6 Hazardous decompositior	n proe	lucts	
	:	No hazardous decomposition products are kno	wn.
ECTION 11: Toxicological	infor	mation	
1.1 Information on hazard cla	sses	as defined in Regulation (EC) No 1272/2008	
Acute toxicity Not classified due to lack of	data.		
Components:			
bis-[4-(2,3-epoxipropoxi)p	heny	]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-e	роху	propyl ether:	
		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 i	rritati	on	



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Respiratory or skin sensitisation		
Skin sensitisation		
May cause an allergic skin reaction.		
<b>Respiratory sensitisation</b>		
Not classified due to lack of data.		
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:



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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	
<b>12.2 Persistence and degradabili</b> No data available	ty		
<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 as	se	ssment	
Product:			
Assessment	:	This substance/mixture contains no components to be either persistent, bioaccumulative and toxic very persistent and very bioaccumulative (vPvB) 0.1% or higher	(PBT), or
Components:			
bis(isopropyl)naphthalene:			
Assessment	:	vPvB substance	
12.6 Endocrine disrupting prope	rtie	s	
Product:			
Assessment	:	The substance/mixture does not contain componered to have endocrine disrupting properties according REACH Article 57(f) or Commission Delegated ref (EU) 2017/2100 or Commission Regulation (EU) levels of 0.1% or higher.	ording to egulation
12.7 Other adverse effects			
Product:			
Additional ecological infor- mation	:	An environmental hazard cannot be excluded in t unprofessional handling or disposal. Toxic to aquatic life with long lasting effects.	he event of



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## **SECTION 13: Disposal considerations**

#### 13.1 Waste treatment methods

Product	t

:	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.
	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	:	ENVIRONMENTALL N.O.S. (epoxy resin)	Y HAZARDOUS SUBSTANCE, LIQUID,	
IMDG	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (epoxy resin)		
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				



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Packing group Classification Code Hazard Identification Number Labels Tunnel restriction code Remarks	: III : M6 : 90 : 9 : (-) : Transport in accordance with special p	rovision 375
<b>IMDG</b> Packing group Labels EmS Code Remarks	<ul> <li>III</li> <li>9</li> <li>F-A, S-F</li> <li>Transport in accordance with 2.10.2.7</li> </ul>	of the IMDG-Code
IATA (Cargo) Packing instruction (cargo aircraft) Packing instruction (LQ) Packing group Labels Remarks	<ul> <li>964</li> <li>Y964</li> <li>III</li> <li>Miscellaneous</li> <li>Transport in accordance with special re</li> </ul>	egulation A 197
IATA (Passenger) Packing instruction (passen- ger aircraft) Packing instruction (LQ) Packing group Labels	: 964 : Y964 : III : Miscellaneous	
14.5 Environmental hazards		
<b>ADR</b> Environmentally hazardous	: yes	
IMDG Marine pollutant	: yes	
IATA (Passenger) Environmentally hazardous	: yes	
IATA (Cargo)		

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.



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## **SECTION 15: Regulatory information**

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture** Relevant EU provisions transposed through retained EU law

UK REACH List of restrictions (Annex 17)			Not applicable
UK REACH Candidate list of substances of very high concern (SVHC) for Authorisation			Not applicable
The Persistent Organic Pollutants Regulations (retained Regulation (EU) 2019/1021 as amended for Great Brit- ain)			Not applicable
International Chemical Weapons C Schedules of Toxic Chemicals and		:	Not applicable
Regulation (EU) No 2024/590 on substances that de- plete the ozone layer			Not applicable
UK REACH List of substances subject to authorisation (Annex XIV)			Not applicable
GB Export and import of hazardous chemicals - Prior : Not applicable Informed Consent (PIC) Regulation			Not applicable
Control of Major Accident Hazards Regulations E2 ENVIRONMENTAL HAZARDS 2015 (COMAH)			
Volatile organic compounds :	(VOCV)		or volatile organic compounds ls (VOC) content: 0% w/w
	livestock rearing emiss and control)	sions	A November 2010 on industrial and s (integrated pollution prevention ls (VOC) content: 0% 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 Regulation	s



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specific for the substance or mixture:	Control of Substances Hazardous to Health Reg (COSHH) May be subject to the Control of Major Accident 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**

Full text of H-Statements		
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.
H410	÷	Very toxic to aquatic life with long lasting effects.
H411	:	Toxic to aquatic life with long lasting effects.
Full text of other abbreviation	ons	
Aquatic Chronic	:	Long-term (chronic) aquatic hazard
Asp. Tox.	:	Aspiration hazard
Eye Irrit.	:	Eye irritation
Skin Irrit.	:	Skin irritation
Skin Sens.	:	Skin sensitisation
ADR	:	European Agreement concerning the International Carriage of
		Dangerous Goods by Road
CAS	:	Chemical Abstracts Service
DNEL	:	Derived no-effect level
EC50	:	Half maximal effective concentration
GHS	÷	Globally Harmonized System
IATA	÷	International Air Transport Association
IMDG	:	International Maritime Code for Dangerous Goods
LD50	•	Median lethal dosis (the amount of a material, given all at once, which causes the death of 50% (one half) of a group of
		test animals)
LC50		Median lethal concentration (concentrations of the chemical in
LC30	•	air that kills 50% of the test animals during the observation
		period)
MARPOL		International Convention for the Prevention of Pollution from
MARTOL	•	Ships, 1973 as modified by the Protocol of 1978
OEL		Occupational Exposure Limit
PBT	:	Persistent, bioaccumulative and toxic
PNEC	:	Predicted no effect concentration
REACH	÷	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	:	Substances of Very High Concern
vPvB	÷	Very persistent and very bioaccumulative
	•	



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#### **Further information**

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Classification of the	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 !

GB / EN