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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>-264 N (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-	H411: Toxic to aquatic life with long lasting effects.
egory 2	

### 2.2 Label elements

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

Hazard pictograms	:		
Signal word	:	Warning	•
Hazard statements	:	H315 H317 H319 H411	Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Toxic to aquatic life with long lasting effects.



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Precautionary statements :	Prevention:	
	P261	Avoid breathing dust/ fume/ gas/ mist/ va- pours/ spray.
	P264	Wash skin thoroughly after handling.
	P273	Avoid release to the environment.
	P280	Wear protective gloves/ eye protection/ face 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 bis-[4-(2,3-epoxypropoxy)phenyl]methane oxirane, mono[(C12-14-alkyloxy)methyl] derivs. p-tert-butylphenyl 1-(2,3-epoxy)propyl ether

#### **Additional Labelling**

EUH211 Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

"As from 24 August 2023 adequate training is required before industrial or professional use."

### 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 % Skin Irrit. 2; H315 >= 5 %	>= 25 - < 40
Titanium dioxide (> 10 μm)	13463-67-7 236-675-5 01-2119489379-17- XXXX		>= 5 - < 10
bis-[4-(2,3- epoxypropoxy)phenyl]methane	9003-36-5 701-263-0 01-2119454392-40- XXXX	Skin Irrit. 2; H315 Skin Sens. 1; 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	>= 2,5 - < 5
benzyl alcohol	100-51-6 202-859-9 01-2119492630-38- XXXX	Acute Tox. 4; H302 Acute Tox. 4; H332 Eye Irrit. 2; H319 Acute toxicity esti- mate Acute oral toxicity: 1.620 mg/kg Acute inhalation tox- icity (dust/mist):	>= 1 - < 2,5
p-tert-butylphenyl 1-(2,3- epoxy)propyl ether	3101-60-8 221-453-2 01-2119959496-20- XXXX	4,178 mg/l Skin Sens. 1; H317 Aquatic Chronic 2; H411	>= 1 - < 2,5

For explanation of abbreviations see section 16.



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### **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.			
In case of skin contact :	Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. If symptoms persist, call a physician.			
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 unconscious person.			
4.2 Most important symptoms and	effects, both acute and delayed			
Symptoms :	Allergic reactions Excessive lachrymation Erythema Dermatitis See Section 11 for more detailed information on health effects and symptoms.			
Risks :	irritant effects sensitising effects			
	Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation.			
4.3 Indication of any immediate me	dical attention and special treatment needed			
Treatment :	Treat symptomatically.			



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SECTION 5: Firefighting meas	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	substance or mixture		
Specific hazards during fire- fighting	:	Do not allow run-off from fire fighting to ente courses.	er 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	athing apparatus.	
Further information	:	Collect contaminated fire extinguishing wate must not be discharged into drains. Fire residues and contaminated fire extingui be disposed of in accordance with local regu	shing water must	

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

6.1 Personal precautions, protect	tive	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 con	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.



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# **SECTION 7: Handling and storage**

### 7.1 Precautions for safe handling

Advice on safe handling	:	Do not breathe vapours or spray mist. Avoid exceeding the given occupational exposure limits (see section 8). Do not get in eyes, on skin, or on clothing. For personal protection see section 8. Persons with a history of skin sensitisation problems or asth- ma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used. Smoking, eating and drinking should be prohibited in the ap- plication area. Follow standard hygiene measures when handling chemical products
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.
7.2 Conditions for safe storage, i	inc	luding 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)		

7.3 Specific end use(s)

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

#### 8.1 Control parameters

### **Occupational Exposure Limits**

Components	CAS-No.	Value type (Form	Control parame-	Basis *
		of exposure)	ters *	
Titanium dioxide (> 10 µm)	13463-67-7	TWA (inhalable	10 mg/m3	GB EH40
		dust)	-	
		TWA (Respirable	4 mg/m3	GB EH40
		dust)	-	



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\*The above mentioned values are in accordance with the legislation in effect at the date of the release of this safety data sheet.

#### 8.2 Exposure controls

Personal protective equipment			
Eye protection :	Safety glasses with side-shields conforming to EN166 Eye wash bottle with pure water		
Hand protection :	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.		
	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 :	-		
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

Physical state	:	liquid
Appearance	:	viscous
Colour	:	various
Odour	:	very faint

# SAFETY DATA SHEET According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



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Melting point/range / Freezing point	:	No data available	
Boiling point/boiling range	:	No data available	
Flammability (solid, gas)	:	No data available	
Upper/lower flammability or o	ext	losive limits	
Upper explosion limit / Up- per flammability limit	:	No data available	
Lower explosion limit / Lower flammability limit	:	No data available	
Flash point	:	ca. 86 °C Method: closed cup	
Auto-ignition temperature	:	ca. 436 °C	
Decomposition temperature	:	No data available	
рН	:	ca. 6,5 (20 °C) Concentration: 100 %	
Viscosity			
Viscosity, dynamic	:	ca. 3.600 mPa.s (20 °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	
		0,01 hPa	
Density	:	ca. 1,6 g/cm3 (20 °C)	
Relative vapour density	:	No data available	
Particle characteristics	:	No data available	
9.2 Other information			



V	ersion 4.1	Print Date 05.08.202
eactivity		
n under conditions of	f normal use.	
able.		
eactions		
: Stable under r	ecommended storage o	conditions.
: No data availa	ble	
: No data availa	ble	
products		
and applied as directe	d.	
w ta re	table. reactions : Stable under r : No data availa : No data availa n products	wn under conditions of normal use. table. <b>reactions</b> : Stable under recommended storage of : No data available : No data available <b>n products</b>

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

Not classified based on available information.							
Components:							
bis-[4-(2,3-epoxipropoxi)ph	eny	l]propane:					
Acute oral toxicity	:	LD50 Oral (Rat): > 5.000 mg/kg					
Acute dermal toxicity	:	LD50 Dermal (Rabbit): > 5.000 mg/kg					
oxirane, mono[(C12-14-alky	oxirane, mono[(C12-14-alkyloxy)methyl] derivs.:						
Acute oral toxicity	:	LD50 Oral (Rat): > 5.000 mg/kg					
benzyl alcohol:							
Acute oral toxicity	:	LD50 Oral (Rat): 1.620 mg/kg					
		Acute toxicity estimate: 1.620 mg/kg Method: Calculation method					
Acute inhalation toxicity	:	LC50 (Rat): > 4,178 mg/l Exposure time: 4 h					

Acute toxicity

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# Date of last issue: 07.06.2021 Version 4.1 Print Date 05.08.2022 Revision Date: 05.08.2022 Test atmosphere: dust/mist Acute toxicity estimate: 4,178 mg/l Test atmosphere: dust/mist Method: Calculation method p-tert-butylphenyl 1-(2,3-epoxy)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 based on available information. Germ cell mutagenicity Not classified based on available information. Carcinogenicity Not classified based on available information. **Reproductive toxicity** Not classified based on available information. STOT - single exposure Not classified based on available information. STOT - repeated exposure Not classified based on available information. Aspiration toxicity Not classified based on available information. 11.2 Information on other hazards Endocrine disrupting properties Product:

Assessment

: The substance/mixture does not contain components consid-



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ered to have endocrine disrupting p REACH Article 57(f) or Commission (EU) 2017/2100 or Commission Reg levels of 0.1% or higher.	Delegated regulation
mation	
enyl]propane:	
: LC50 (Oncorhynchus mykiss (rainbo Exposure time: 96 h	ow trout)): 2 mg/l
: EC50 (Daphnia magna (Water flea) Exposure time: 48 h	): 1,8 mg/l
: LC50 (Fish): > 100 mg/l Exposure time: 96 h	
: EC50 (Daphnia magna (Water flea) Exposure time: 48 h	): > 100 mg/l
ity	
sessment	
<ul> <li>This substance/mixture contains no to be either persistent, bioaccumula very persistent and very bioaccumu 0.1% or higher</li> </ul>	tive and toxic (PBT), or
	ered to have endocrine disrupting p REACH Article 57(f) or Commission (EU) 2017/2100 or Commission Re- levels of 0.1% or higher. mation enyl]propane: : LC50 (Oncorhynchus mykiss (rainb Exposure time: 96 h : EC50 (Daphnia magna (Water flea) Exposure time: 48 h : LC50 (Fish): > 100 mg/l Exposure time: 96 h : EC50 (Daphnia magna (Water flea) Exposure time: 48 h : EC50 (Daphnia magna (Water flea) Exposure time: 48 h

### 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



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	(EU) 2017/2100 or Commission Regulation (EU) levels of 0.1% or higher.	2018/605 at
12.7 Other adverse effects		
<u>Product:</u> 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

## **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>

		, <b>,</b> -,
European Waste Catalogue	:	08 01 11* waste paint and varnish containing organic sol- vents 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		
ADR	:	UN 3082
IMDG	:	UN 3082
ΙΑΤΑ	:	UN 3082
14.2 UN proper shipping name		
ADR	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (epoxy resin)

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IMDG	:	ENVIRONMENTALLY HAZARDOUS SU N.O.S. (epoxy resin)	BSTANCE, LIQUID,
ΙΑΤΑ	:	Environmentally hazardous substance, lic (epoxy resin)	quid, n.o.s.
14.3 Transport hazard class(es)			
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 prov	vision 375
<b>IMDG</b> Packing group Labels EmS Code Remarks	:	III 9 F-A, S-F Transport in accordance with 2.10.2.7 of	the IMDG-Code
IATA (Cargo) Packing instruction (cargo aircraft) Packing instruction (LQ) Packing group Labels Remarks	:	964 Y964 III Miscellaneous Transport in accordance with special regi	ulation 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	
<b>IATA (Passenger)</b> Environmentally hazardous	:	yes	



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### IATA (Cargo)

Environmentally hazardous : yes

#### 14.6 Special precautions for user

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 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable for product as supplied.

### **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

International Chemical Weapons Schedules of Toxic Chemicals an		Not applicable			
Regulation (EC) No 1005/2009 on substances that de- : Not applicable plete the ozone layer					
Volatile organic compounds :	(VOCV)	or volatile organic compounds ds (VOC) content: 2,8% w/w			
	emissions (integrated poll	24 November 2010 on industrial lution prevention and control) ds (VOC) content: 2,8% 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.

## Other regulations:

### 15.2 Chemical safety assessment

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



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# **SECTION 16: Other information**

Full text of H-Statements						
H302	:	Harmful if swallowed.				
H315	÷	Causes skin irritation.				
H317	÷	May cause an allergic skin reaction.				
H319		Causes serious eye irritation.				
H332		Harmful if inhaled.				
H411	:	Toxic to aquatic life with long lasting effects.				
Full text of other abbreviations						
Acute Tox.	:	Acute toxicity				
Aquatic Chronic	:	Long-term (chronic) aquatic hazard				
Eye Irrit.	:	Eye irritation				
Skin Irrit.	:	Skin irritation				
Skin Sens.	:	Skin sensitisation				
GB EH40	:	UK. EH40 WEL - Workplace Exposure Limits				
GB EH40 / TWA	:	Long-term exposure limit (8-hour TWA reference period)				
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				
ΙΑΤΑ	:	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				
		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	:	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				
Further information						
Classification of the mixtu	re:	Classification procedure:				
Skin Irrit. 2	HB	Calculation method				



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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