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

1.1 Product identifier

Trade name

Sikafloor[®]-221 W Conductive Part B

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 :	P101	If medical advice is needed, hav container or label at hand.	ve product
	P102	Keep out of reach of children.	
	Prevention:		
	P273 P280	Avoid release to the environme Wear protective gloves/ eye pro protection.	
	Response:		
	P391	Collect spillage.	
	Disposal:		
	P501	Dispose of contents/container in with local regulation.	n accordance

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.

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	>= 40 - < 60
		specific concentration limit Eye Irrit. 2; H319 >= 5 % Skin Irrit. 2; H315 >= 5 %	
bis-[4-(2,3- epoxypropoxy)phenyl]methane	Not Assigned 701-263-0 01-2119454392-40- XXXX	Skin Irrit. 2; H315 Skin Sens. 1A; H317 Aquatic Chronic 2; H411	>= 10 - < 20
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

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.
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.



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	If eye irritation persists, con	isult a specialist.
If swallowed	Do not induce vomiting with Rinse mouth with water. Do not give milk or alcoholio Never give anything by mou	
4.2 Most important symptoms an	effects, both acute and dela	ayed
Symptoms	Allergic reactions Excessive lachrymation Erythema Dermatitis See Section 11 for more de and symptoms.	etailed information on health effects
Risks	irritant effects sensitising effects	
	Causes skin irritation. May cause an allergic skin i Causes serious eye irritatio	
4.3 Indication of any immediate n	edical attention and special	treatment needed
Treatment	Treat symptomatically.	
SECTION 5: Firefighting meas	res	
5.1 Extinguishing media		
Suitable extinguishing media		ater spray/water jet/carbon diox- stant foam/chemical powder for
5.2 Special hazards arising from	e substance or mixture	
Specific hazards during fire- fighting	Do not allow run-off from fir courses.	e fighting to enter drains or water
Hazardous combustion prod- ucts	No hazardous combustion p	products are known
5.3 Advice for firefighters		
Special protective equipment for firefighters	In the event of fire, wear se	elf-contained breathing apparatus.
Further information	must not be discharged into	xtinguishing water separately. This o drains. nated fire extinguishing water must



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be disposed of in accordance with local	regulations.
se measures	
ctive equipment and emergency procedur	es
: Use personal protective equipment. Deny access to unprotected persons.	
: Do not flush into surface water or sanita If the product contaminates rivers and la respective authorities.	
	be disposed of in accordance with local se measures ctive equipment and emergency procedur : Use personal protective equipment. Deny access to unprotected persons. : Do not flush into surface water or sanita If the product contaminates rivers and I

Methods for cleaning up		with inert absorbent material (e.g. sand, silica gel, er, universal binder, sawdust).
	Keep in s	uitable, 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	:	 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 asthma, 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 application 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, in	ncl	uding any incompatibilities
Requirements for storage	:	Keep container tightly closed in a dry and well-ventilated



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areas and containers	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 S use.	Sheet prior to any

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

-						
Components	3		CAS-No.	Value type (Form of exposure)	Control parame- ters *	Basis *
				or exposure/	1013	
a		 		 		

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
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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 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	No special measures required.				
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. 				



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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state Colour Odour	::	liquid white very faint
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	exp	losive limits
Upper explosion limit / Up- per flammability limit	:	No data available
Lower explosion limit / Lower flammability limit	:	No data available
Flash point	:	Not applicable
Auto-ignition temperature	:	Not applicable
Decomposition temperature	:	No data available
рН	:	ca. 7 Concentration: 100 %
Viscosity Viscosity, kinematic	:	> 20,5 mm2/s (40 °C)
Solubility(ies) Water solubility	:	soluble
Partition coefficient: n- octanol/water	:	No data available
Vapour pressure	:	23 hPa
Density	:	ca. 1,07 g/cm3 (20 °C)
Relative vapour density	:	No data available
Particle characteristics	:	No data available



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9.2 Other information No data available		
SECTION 10: Stability and reactivit	У	
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
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10.5 Incompatible materials

Materials to avoid	:	No data available
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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

Acute toxicity

Not classified based on available information.

Components:

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

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

: LD50 Dermal (Rabbit): > 5.000 mg/kg Acute dermal toxicity

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

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

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/eye irritation

Causes serious eye irritation.



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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 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



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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	
12.2 Persistence and degradabili No data available	ity		
12.3 Bioaccumulative potential No data available			
12.4 Mobility in soil 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	c (PBT), or
12.6 Endocrine disrupting proper	rtie	S	
Product:			
Assessment	:	The substance/mixture does not contain compor ered to have endocrine disrupting properties acc REACH Article 57(f) or Commission Delegated r (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 unprofessional handling or disposal. Toxic to aquatic life with long lasting effects.	the event of

Product	: The generation of waste should be avoided or minimized
	wherever possible.
	Empty containers or liners may retain some product residues.



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		This material and its container must be dispose way. Dispose of surplus and non-recyclable products waste disposal contractor. Disposal of this product, solutions and any by-p at all times comply with the requirements of env protection and waste disposal legislation and an local authority requirements. Avoid dispersal of spilled material and runoff an soil, waterways, drains and sewers.	s via a licensed roducts should vironmental ny regional
European Waste Catalogue	:	08 01 11* waste paint and varnish containing c vents or other dangerous substances	organic sol-
Contaminated packaging	:	15 01 10* packaging containing residues of or on by dangerous substances	contaminated

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)			
IMDG	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (epoxy resin)		Y 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			
ΙΑΤΑ	:	9			
14.4 Packing group					
ADR Packing group	:	111			



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: M6 : 90 : 9 : (-) : Transport in accordance with special pro	vision 375
: III : 9 : F-A, S-F : Transport in accordance with 2.10.2.7 of	the IMDG-Code
 964 Y964 III Miscellaneous Transport in accordance with special reg 	ulation A 197
: 964 : Y964 : III : Miscellaneous	
: yes	
: yes	
: yes	
	 M6 90 9 (-) Transport in accordance with special pro III 9 F-A, S-F Transport in accordance with 2.10.2.7 of 964 Y964 III Miscellaneous Transport in accordance with special reg 964 Y964 III Miscellaneous Y964 III Miscellaneous Y964 III Y964 <l< td=""></l<>

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 Relevant EU provisions transposed through retained EU law



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UK REACH List of restrictions (Ar	nnex 17)	:	Not applicable	
UK REACH Candidate list of subs concern (SVHC) for Authorisation		:	Not applicable	
The Persistent Organic Pollutants Regulation (EU) 2019/1021 as an ain)		:	Not applicable	
International Chemical Weapons Schedules of Toxic Chemicals an	, , , , , , , , , , , , , , , , , , ,	:	Not applicable	
Regulation (EC) No 1005/2009 or plete the ozone layer	n substances that de-	:	Not applicable	
UK REACH List of substances su (Annex XIV)	bject to authorisation	:	Not applicable	
GB Export and import of hazardou Informed Consent (PIC) Regulation		:	Not applicable	
Control of Major Accident Hazard 2015 (COMAH)	s Regulations E2	EN	VIRONMENTAL HAZA	RDS
Volatile organic compounds :	Law on the incentive ta (VOCV) no VOC duties	ax fo	or volatile organic comp	oounds
			4 November 2010 on ir ution prevention and co	

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- mental regulation/legislation specific for the substance or	Environmental Protection Act 1990 & Subsidi Health and Safety at Work Act 1974 & Subsid Control of Substances Hazardous to Health F	diary Regulations
mixture:	(COSHH)	logulatione
	May be subject to the Control of Major Accide	ent Hazards
	Regulations (COMAH), and amendments.	

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		
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.	
Full text of other abbreviation		
Aquatic Chronic	: Long-term (chronic) aquatic hazard	
Eye Irrit.	: Eye irritation	
Skin Irrit.	: Skin irritation	
Skin Sens.	: Skin sensitisation	
ADR	: European Agreement concerning the International Carriage of	
CAS	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	
LC50	test animals)	
LC50	: Median lethal concentration (concentrations of the chemical in	
	air that kills 50% of the test animals during the observation	
MARPOL	period) : International Convention for the Prevention of Pollution from	
MARPOL		
	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	
Eurther information		
Further information		

Classification of the mixture:Classification procedure:Skin Irrit. 2H315Calculation methodEye Irrit. 2H319Calculation methodSkin Sens. 1H317Calculation methodAquatic Chronic 2H411Calculation method



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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