

Revision Date: 09.05.2025 Date of last issue: 17.04.2024 Version 4.0

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

1.1 Product identifier

Trade name

Sikafloor[®]-220 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 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.Reproductive toxicity, Category 1BH360F: May damage fertility.Long-term (chronic) aquatic hazard, Category 2H411: Toxic to aquatic life with long lasting effects.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



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Hazard pictograms	:		! ***
Signal word	:	Danger	
Hazard statements	:	H315 H317 H319 H360F H411	Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. May damage fertility. Toxic to aquatic life with long lasting effects.
Precautionary statements	:	P101 P102	If medical advice is needed, have product container or label at hand. Keep out of reach of children.
		Prevention:	
		P202	Do not handle until all safety precautions have been read and understood.
		P273 P280	Avoid release to the environment. Wear protective gloves/ protective clothing/ eye protection/ face protection.
		Response:	
		P308 + P31	3 IF exposed or concerned: Get medical ad- vice/ attention.
		P391	Collect spillage.
		Storage:	
		P405	Store locked up.
		Disposal: P501	Dispose of contents/container in accordance with local regulation.

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.

SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878

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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
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	>= 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 Repr. 1B; H360F	>= 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.
Country IE 000000051374	

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		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	s person.
4.2 Most important symptoms an	d d	effects both acute and delayed	
Symptoms	:	Allergic reactions Excessive lachrymation Erythema Dermatitis See Section 11 for more detailed information on and symptoms.	health effects
Risks	:	Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. May damage fertility.	
		irritant effects sensitising effects toxic effects for reproduction	
4.3 Indication of any immediate n	ne	dical attention and special treatment needed	
Treatment	:	Treat symptomatically.	
SECTION 5: Firefighting meas	sur	res	
5.1 Extinguishing media			
		In case of fire, use water/water spray/water jet/ca	arban diax
Suitable extinguishing media	•	ide/sand/foam/alcohol resistant foam/chemical p extinction.	
5.2 Special hazards arising from	the	e substance or mixture	
Specific hazards during fire- fighting	:		iins or water
Hazardous combustion prod- ucts	:	No hazardous combustion products are known	

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5.3 Advice for firefighters			
Special protective equipment for firefighters	:	In the event of fire, wear self-contained breathin	ig apparatus.
Further information	:	Collect contaminated fire extinguishing water se must not be discharged into drains. Fire residues and contaminated fire extinguishir be disposed of in accordance with local regulati	ng 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	: 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.
	Pregnant women or women of child-bearing age should not be exposed to this product.
	Follow standard hygiene measures when handling chemical products

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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 e	using do not
7.2 Conditions for safe storage, inc	luding any incompatibilities	
Requirements for storage : areas and containers	Store in original container. Keep container tightl dry and well-ventilated place. Containers which must be carefully resealed and kept upright to p age. Observe label precautions. Store in accord local regulations.	are opened revent leak-
Further information on stor- : age stability	No decomposition if stored and applied as direc	ted.
7.3 Specific end use(s)		
Specific use(s) :	Consult most current local Product Data Sheet puse.	prior 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 equipment

Eye/face protection		es with side-shields conforming to EN166 ottle with pure water
Hand protection	proved stand chemical pro facturer spec Suitable for s Butyl rubber Contaminate Suitable for p Viton gloves	short time use or protection against splashes: /nitrile rubber gloves (> 0,1 mm) ed gloves should be removed. permanent exposure:



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Protective clothing (e.g. Safety shoes acc long-sleeved working clothing, long trous and protective boots are additionaly recor and stirring work.	ers). Rubber aprons
: No special measures required.	
 Do not flush into surface water or sanitary lf the product contaminates rivers and lak respective authorities. 	
	 Protective clothing (e.g. Safety shoes according-sleeved working clothing, long trous and protective boots are additionally record and stirring work. No special measures required. ontrols Do not flush into surface water or sanitary of the product contaminates rivers and lake

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state Colour	:	liquid white		
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 explosive limits				
Upper explosion limit / Up- per flammability limit	-			
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		

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		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	
9.2 Other information			
No data available			

SECTION 10: Stability and reactivity

10.1 Reactivity

No dangerous reaction known under conditions of normal use.

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10.2 Chemical stability

The product is chemically stable.

10.3 Possibility of hazardous reactions

Hazardous reactions	:	Stable under recommended storage conditions.
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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



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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:

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

Acute oral toxicity :	LD50 Oral (Rat): > 5.000 mg/kg
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Acute dermal toxicity	:	LD50 Dermal (Rabbit): > 5.000 mg/kg
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oxirane, mono[(C12-14-alkyloxy)methyl] derivs.:

Acute oral toxicity : LD50 Oral (Rat): > 5.000 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.

Germ cell mutagenicity

Not classified due to lack of data.

Carcinogenicity

Not classified due to lack of data.

Reproductive toxicity May damage fertility.

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.



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11.2 Information on other hazards

Endocrine disrupting properties

Not classified due to lack of data.

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

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



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		very persistent and very bioaccumulative 0.1% or higher	e (vPvB) at levels of
12.6 Endocrine disrupting prop	ertie	S	
Product:			
Assessment	:	The substance/mixture does not contain ered to have endocrine disrupting proper REACH Article 57(f) or Commission Dele (EU) 2017/2100 or Commission Regulat levels of 0.1% or higher.	rties according to egated regulation
12.7 Other adverse effects			
Product:			
Additional ecological infor- mation	:	An environmental hazard cannot be exclunprofessional handling or disposal. Toxic to aquatic life with long lasting effe	

SECTION 13: Disposal considerations

13.1	Waste	treatment	methods

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 wi soil, waterways, drains and sewers.	es. e ed uld th
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	ţ

SECTION 14: Transport information

14.1 UN	number	or ID	number
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: UN 3082

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878

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IMDG	:	UN 3082		
ΙΑΤΑ	:	UN 3082		
14.2 UN proper shipping name				
ADR	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (epoxy resin)		
IMDG	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (epoxy resin)		
ΙΑΤΑ	:	Environmentally hazardous substance, liq (epoxy resin)	uid, n.o.s.	
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 prov	ision 375	
IMDG Packing group Labels EmS Code Remarks	:	III 9 F-A, S-F Transport in accordance with 2.10.2.7 of t	he IMDG-Code	
IATA (Cargo) Packing instruction (cargo aircraft)	:	964		
Packing instruction (LQ) Packing group Labels Remarks	:	Y964 III Miscellaneous Transport in accordance with special regu	lation A 197	
IATA (Passenger) Packing instruction (passen-	:	964		
ger aircraft) Packing instruction (LQ)	:	Y964		

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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 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: 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. REACH - Restrictions on the manufacture, placing on Conditions of restriction for the folthe market and use of certain dangerous substances, lowing entries should be considered: mixtures and articles (Annex XVII) Number on list 3 Number on list 30: oxirane, mono[(C12-14-alkyloxy)methyl] derivs. Number on list 75 REACH - Candidate List of Substances of Very High : None of the components are listed Concern for Authorisation (Article 59). (=> 0.1 %).

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REACH - List of substances subje (Annex XIV)	ect to authorisation	: Not applicable	
Regulation (EU) No 2024/590 on a plete the ozone layer	substances that de-	: Not applicable	
Regulation (EU) 2019/1021 on pe tants (recast)	ersistent organic pollu-	: Not applicable	
Regulation (EU) No 649/2012 of the ment and the Council concerning of dangerous chemicals		: Not applicable	
Seveso III: Directive 2012/18/EU o jor-accident hazards involving dar E2			n the control of ma-
Volatile organic compounds :	Law on the incentive ta: (VOCV) no VOC duties	x for volatile organic com	npounds
		f 24 November 2010 on ons (integrated pollution	
If other regulatory information app Sheet, then it is described in this s		rovided elsewhere in the	Safety Data
Health, safety and environ- : mental regulation/legislation specific for the substance or mixture:	Control of Substances I (COSHH)	ork Act 1974 & Subsidia Hazardous to Health Reg control of Major Accident	ry Regulations gulations

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-State	ments	
H315	: Causes skin irritation.	
Country IE 0000000513	74	14 / 16

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H317	: May cause an allergic			
H319		Causes serious eye irritation.		
H360F H411	May damage fertility.Toxic to aquatic life with	h long lasting effects		
		in long labiling chools.		
Full text of other abbreviatio		<i></i>		
Aquatic Chronic	: Long-term (chronic) ac	uatic hazard		
Eye Irrit.	: Eye irritation			
Repr.	: Reproductive toxicity			
Skin Irrit.		Skin irritation		
Skin Sens.		Skin sensitisation European Agreement concerning the International Carriage of		
ADR	Dangerous Goods by I		mai Camage of	
CAS				
DNEL	: Derived no-effect level	Chemical Abstracts Service		
EC50				
GHS		Half maximal effective concentration Globally Harmonized System		
IATA				
IMDG		International Air Transport Association International Maritime Code for Dangerous Goods		
LD50		e amount of a material,		
		e death of 50% (one half		
LC50		ation (concentrations of	the chemical in	
2000		test animals during the		
	period)			
MARPOL		on for the Prevention of F	Pollution from	
		ed by the Protocol of 197		
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-			
		uthorisation and Restrict		
		shing a European Chemi		
SVHC	: Substances of Very Hi		0,	
vPvB	: Very persistent and ve			
Further information				
Classification of the mixture	:	Classification proce	dure:	
Skin Irrit. 2	H315	Calculation method		
Eye Irrit. 2	H319	Calculation method		
Skin Sens. 1	H317	Calculation method		

Calculation method

Calculation method

Aquatic Chronic 2

H360F

H411

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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 !

IE / EN