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

1.1 Product identifier

Trade name : Sika

Sikadur[®] Blade Repair Resin Part A

1.2 Relevant identified uses of the substance or mixture and uses advised against

Product use : Composites system

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 corrosion, Sub-category 1C	H314: Causes severe skin burns and eye damage.
Serious eye damage, Category 1	H318: Causes serious eye damage.
Skin sensitisation, Category 1	H317: May cause an allergic skin reaction.
Germ cell mutagenicity, Category 2	H341: Suspected of causing genetic defects.
Reproductive toxicity, Category 1B	H360F: May damage fertility.
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)



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Hazard pictograms	:			•
Signal word	:	Danger		
Hazard statements	:	H317 Ma H341 Su H360F Ma	auses severe skin burns and eye d ay cause an allergic skin reaction. uspected of causing genetic defect ay damage fertility. oxic to aquatic life with long lasting	S.
Precautionary statements	:	Prevention: P201 P273 P280	Obtain special instructions befo Avoid release to the environme Wear protective gloves/ protecti eye protection/ face protection.	nt.
		Response: P303 + P361 + P304 + P340 +	ately all contaminated clothing. with water.	Rinse skin rson to fresh eathing. Im-
		P305 + P351 +		e cautiously Remove con- to do. Con-
		P308 + P313 P391	IF exposed or concerned: Get r vice/ attention.	nedical ad-
		L 221	Collect spillage.	

Hazardous components which must be listed on the label:

bis-[4-(2,3-epoxypropoxy)phenyl]methane Trimethylolpropane triglycidylether bis-[4-(2,3-epoxipropoxi)phenyl]propane

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.



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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.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Components

Chemical name	CAS-No.	Classification	Concentration
	EC-No.		(% w/w)
	Registration number		
bis-[4-(2,3-	Not Assigned	Skin Irrit. 2; H315	>= 40 - < 60
epoxypropoxy)phenyl]methane	701-263-0	Skin Sens. 1A; H317	
	01-2119454392-40-	Aquatic Chronic 2;	
	XXXX	H411	
Trimethylolpropane triglycidylether	-	Skin Corr. 1C; H314	>= 25 - < 40
	701-135-4	Eye Dam. 1; H318	
	01-2120078341-60-	Skin Sens. 1B; H317	
	XXXX	Muta. 2; H341	
		Repr. 1B; H360F	
		Aquatic Chronic 2;	
		H411	
bis-[4-(2,3-	1675-54-3	Skin Irrit. 2; H315	>= 10 - < 20
epoxipropoxi)phenyl]propane	216-823-5	Eye Irrit. 2; H319	
	01-2119456619-26-	Skin Sens. 1; H317	
	XXXX	Aquatic Chronic 2;	
		H411	
		specific concentration	
		limit	
		Eye Irrit. 2; H319	
		>= 5 %	
		Skin Irrit. 2; H315	
		>= 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.



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If inhaled	:	Move to fresh air. Consult a physician after significant exposu	ıre.
In case of skin contact	:	Take off contaminated clothing and shoes in Wash off with soap and plenty of water. Immediate medical treatment is necessary a wounds from corrosion of the skin heal slow ty.	as untreated
In case of eye contact	:	Small amounts splashed into eyes can caus sue damage and blindness. In the case of contact with eyes, rinse imme of water and seek medical advice. Continue rinsing eyes during transport to ho Remove contact lenses. Keep eye wide open while rinsing.	ediately with plenty
If swallowed	:	Do not induce vomiting without medical adv Rinse mouth with water. Do not give milk or alcoholic beverages. Never give anything by mouth to an uncons	
4.2 Most important symptoms a	and	effects, both acute and delayed	
Symptoms	:	Allergic reactions Dermatitis See Section 11 for more detailed informatio and symptoms.	on on health effects
Risks	:	Health injuries may be delayed. corrosive effects sensitising effects toxic effects for reproduction	
		May cause an allergic skin reaction. Causes serious eye damage. Suspected of causing genetic defects. May damage fertility. Causes severe burns.	
4.3 Indication of any immediate	me	dical attention and special treatment need	ed
Treatment	:	Treat symptomatically.	
SECTION 5: Firefighting mea	asui	es	
5.1 Extinguishing media			
Suitable extinguishing media	ι:	In case of fire, use water/water spray/water ide/sand/foam/alcohol resistant foam/chemi extinction.	
Country GB 000000120780			4 / 16



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5.2 Special hazards arising from the substance or mixture

	Specific hazards during fire- fighting	:	Do not allow run-off from fire fighting to enter drains or water courses.
	Hazardous combustion prod- ucts	:	No hazardous combustion products are known
5.3	Advice for firefighters Special protective equipment for firefighters	:	In the event of fire, wear self-contained breathing apparatus.
	Further information	:	Collect contaminated fire extinguishing water separately. This 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, 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-	



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	ma, allergies, chronic or recurrent respira not be employed in any process in which used. Smoking, eating and drinking should be p plication area. Pregnant women or women of child-bear exposed to this product. Follow standard hygiene measures wher products	this mixture is being prohibited in the ap- ing age should not be
Advice on protection against : fire and explosion	Normal measures for preventive fire prot	ection.
Hygiene measures :	Handle in accordance with good industria practice. When using do not eat or drink. smoke. Wash hands before breaks and a	When using do not
7.2 Conditions for safe storage, in	cluding any incompatibilities	
Requirements for storage : areas and containers	Keep container tightly closed in a dry and place. Containers which are opened must sealed and kept upright to prevent leakage ance with local regulations.	st be carefully re-
Further information on stor- : age stability	No decomposition if stored and applied a	as directed.
7.3 Specific end use(s)		
Specific use(s)	Consult most current local Product Data use.	Sheet prior to any

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

of exposure)	ype (Form Control parame- Basis * osure) ters *
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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.

1

Personal protective equipment

Eye/face	protection
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Safety glasses with side-shields conforming to EN166 Eye wash bottle with pure water



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	Wear eye/face protection.	
Hand protection	: Chemical-resistant, impervious gloves constrained by proved standard must be worn at all time chemical products. Reference number E facturer specifications.	es when handling
	Suitable for short time use or protection Butyl rubber/nitrile rubber gloves (> 0,1 r Contaminated gloves should be remove Suitable for permanent exposure: Viton gloves (0.4 mm), breakthrough time >30 min.	mm)
Skin and body protection	Protective clothing (e.g. Safety shoes ac long-sleeved working clothing, long trous and protective boots are additionaly reco and stirring work.	sers). Rubber aprons
Respiratory protection	: No special measures required.	
Environmental exposure con	trols	
General advice	: Do not flush into surface water or sanita If the product contaminates rivers and la respective authorities.	

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state Colour	:	liquid various		
Odour	:	epoxy-like		
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 explosive limits				

Upper explosion limit / Up- : No data available per flammability limit



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Lower explosion limit / Lower flammability limit	: No data available	
Flash point	: > 101 °C Method: closed cup	
Auto-ignition temperature	: No data available	
Decomposition temperature	: No data available	
рН	: Not applicable substance/mixture is non-soluble (in water))
Viscosity Viscosity, dynamic	: ca. 1.000 mPa.s (25 °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. 1,16 g/cm3 (20 °C)	
Relative vapour density	: No data available	
Particle characteristics	: No data available	

9.2 Other information

No data available



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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 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:

Trimethylolpropane triglycidylether:

Acute dermal toxicity	:	LD50 Dermal (Rabbit): > 2.000 mg/kg
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bis-[4-(2,3-epoxipropoxi)phenyl]propane:

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

Skin corrosion/irritation

Causes severe burns.

Serious eye damage/eye irritation

Causes serious eye damage.



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Respiratory or skin sensitisation

Skin sensitisation

May cause an allergic skin reaction.

Respiratory sensitisation

Not classified due to lack of data.

Germ cell mutagenicity

Suspected of causing genetic defects.

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.

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-epoxypropoxy)phenyl]methane:

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	:	EC50 (algae): 1,8 mg/l



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plants	Exposure time: 72 h				
Trimethylolpropane triglycic	dylether:				
Toxicity to algae/aquatic plants	: ErC50 (Pseudokirchneriella subcapitate Exposure time: 72 h	a (microalgae)): 9 mg/l			
Toxicity to daphnia and other aquatic invertebrates (Chron- ic toxicity)	EC50: 3,7 mg/l Exposure time: 48 d Species: Daphnia magna (Water flea)				
bis-[4-(2,3-epoxipropoxi)phe	enyl]propane:				
Toxicity to fish	: LC50 (Oncorhynchus mykiss (rainbow Exposure time: 96 h	trout)): 2 mg/l			
Toxicity to daphnia and other aquatic invertebrates	: EC50 (Daphnia magna (Water flea)): 1 Exposure time: 48 h	,8 mg/l			
2.2 Persistence and degradabil	ity				
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 as	ssessment				
Product:					
Assessment	 This substance/mixture contains no control to be either persistent, bioaccumulative very persistent and very bioaccumulation 0.1% or higher 	and toxic (PBT), or			
12.6 Endocrine disrupting prope	rtios				
	1065				
<u>Product:</u> Assessment	 The substance/mixture does not container ered to have endocrine disrupting propriate REACH Article 57(f) or Commission Determiner (EU) 2017/2100 or Commission Regulated levels of 0.1% or higher. 	erties according to elegated regulation			
12.7 Other adverse effects					
Product:					
Additional ecological infor- mation	: An environmental hazard cannot be ex unprofessional handling or disposal. Toxic to aquatic life with long lasting ef				



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SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product	:	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.
European Waste Catalogue	:	08 04 09* waste adhesives and sealants 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 1760			
IMDG	:	UN 1760			
ΙΑΤΑ	:	UN 1760			
14.2 UN proper shipping name					
ADR	:	: CORROSIVE LIQUID, N.O.S. (Trimethylolpropane triglycidylether)			
IMDG	:	CORROSIVE LIQUID, N.O.S. (Trimethylolpropane triglycidylether)			
ΙΑΤΑ	:	Corrosive liquid, n.o.s. (Trimethylolpropane triglycidylether)			
14.3 Transport hazard class(es)					
		Class	Subsidiary risks		
ADR	:	8			
IMDG	:	8			



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ΙΑΤΑ	:	8	
4.4 Packing group			
ADR			
Packing group	:	III	
Classification Code	:	C9	
Hazard Identification Number	:	80	
Labels	:	8	
Tunnel restriction code	:	(E)	
IMDG			
Packing group	:	III	
Labels	:	8	
EmS Code	:	F-A, S-B	
Remarks	:	Alkalis	
IATA (Cargo)		956	
Packing instruction (cargo aircraft)	:	856	
Packing instruction (LQ)		Y841	
Packing group	:		
Labels	:	Corrosive	
	•		
IATA (Passenger)		050	
Packing instruction (passen-	:	852	
ger aircraft)		N044	
Packing instruction (LQ)	÷	Y841	
Packing group Labels	:	III Corrosive	
	•	Conosive	
4.5 Environmental hazards			
ADR			
Environmentally hazardous	:	yes	
IMDG			
Marine pollutant	:	yes	
IATA (Passenger)			
Environmentally hazardous		yes	
	•	<i>y</i> 00	
IATA (Cargo)			
Environmentally hazardous	:	yes	
4.6 Special precautions for use	er		
The transport classification(s)	nrc	vided herein are for informational purpose	be 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 (A	nnex 17)	:	Not applicable			
UK REACH Candidate list of sub- concern (SVHC) for Authorisation		:	Not applicable			
	The Persistent Organic Pollutants Regulations (retained Regulation (EU) 2019/1021 as amended for Great Brit- ain)					
International Chemical Weapons Schedules of Toxic Chemicals an	:	Not applicable				
Regulation (EC) No 1005/2009 or plete the ozone layer	Regulation (EC) No 1005/2009 on substances that deplete the ozone layer					
UK REACH List of substances su (Annex XIV)	:	Not applicable				
GB Export and import of hazardous chemicals - Prior : Not applicable Informed Consent (PIC) Regulation						
Control of Major Accident Hazard 2015 (COMAH)	s Regulations E2	EN	VIRONMENTAL HAZARDS			
Volatile organic compounds :	Law on the incentive ta (VOCV)	ax fo	or volatile organic compounds			
	Volatile organic compounds (VOC) content: <= 3% w/w no VOC duties					
	Directive 2010/75/EU of 24 November 2010 on industrial emissions (integrated pollution prevention and control) Volatile organic compounds (VOC) content: 0,1% 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



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mixture:	Ma	DSHH) y be subject to the Control of Majo gulations (COMAH), and amendmo	
2 Chemical safety assessm			
No Chemical Safety Assess	ment has	been carried out for this mixture by	y the supplier.
CTION 16: Other informa	tion		
Full text of H-Statements			
H314	: Cau	uses severe skin burns and eye da	amage.
H315		uses skin irritation.	5
H317		y cause an allergic skin reaction.	
H318		uses serious eye damage.	
H319		uses serious eye irritation.	
H341		spected of causing genetic defects	
H360F		y damage fertility.	
H411		kic to aquatic life with long lasting e	effects.
Full text of other abbrevia	tions		
Aquatic Chronic	: Lor	g-term (chronic) aquatic hazard	
Eye Dam.	: Ser	ious eye damage	
Eye Irrit.		e irritation	
Muta.		rm cell mutagenicity	
Repr.		productive toxicity	
Skin Corr.		n corrosion	
Skin Irrit.		n irritation	
Skin Sens.		n sensitisation	
ADR	: Eur	opean Agreement concerning the ngerous Goods by Road	International Carriage of
CAS		emical Abstracts Service	
DNEL	: Der	rived no-effect level	
EC50		f maximal effective concentration	
GHS	: Glo	bally Harmonized System	
ΙΑΤΑ		ernational Air Transport Association	n
IMDG		ernational Maritime Code for Dang	
LD50	: Me onc	dian lethal dosis (the amount of a e, which causes the death of 50%	material, given all at
LC50		t animals)	rations of the chamical in
LC50	air	dian lethal concentration (concenti that kills 50% of the test animals d	
MARPOL	: İnte	iod) ernational Convention for the Preve	
		ps, 1973 as modified by the Protoc	
OEL		cupational Exposure Limit	
PBT		sistent, bioaccumulative and toxic	
PNEC		dicted no effect concentration	
REACH		gulation (EC) No 1907/2006 of the I of the Council of 18 December 20	



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SVHC vPvB	cals (REACH), establis : Substances of Very Hig	istration, Evaluation, Authorisation and Restriction of Chemi- cals (REACH), establishing a European Chemicals Agency Substances of Very High Concern Very persistent and very bioaccumulative		
Further information				
Classification of the mixtu	re:	Classification procedu	re:	
Skin Corr. 1C	H314	Calculation method		
Eye Dam. 1	H318	Calculation method		
Skin Sens. 1	H317	Calculation method		
Muta. 2	H341	Calculation method		
Repr. 1B	H360F	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