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

#### 1.1 Product identifier

Trade name : SikaBiresin<sup>®</sup> CR75 (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 irritation, Category 2	H315: Causes skin irritation.
Serious eye damage, Category 1	H318: Causes serious eye damage.
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	:	Danger	• •
Hazard statements	:	H315 H317 H318 H411	Causes skin irritation. May cause an allergic skin reaction. Causes serious eye damage. Toxic to aquatic life with long lasting effects.

Country GB 00000680978

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Precautionary statements :	Prevention:		
	P261	Avoid breathing mist or vapour	S.
	P264	Wash skin thoroughly after han	dling.
	P273	Avoid release to the environme	nt.
	P280	Wear protective gloves/ eye pro protection.	otection/ face
	Response:		
	P305 + P351 +	P338 + P310 IF IN EYES: Rins with water for several minutes. tact lenses, if present and easy tinue rinsing. Immediately call a CENTER/ doctor.	Remove con- to do. Con-
	P391	Collect spillage.	

#### Hazardous components which must be listed on the label:

bis-[4-(2,3-epoxipropoxi)phenyl]propane 1,4-bis(2,3 epoxypropoxy)butane Pentamethyl piperidylsebacate

#### 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 %	>=80
1,4-bis(2,3 epoxypropoxy)butane	2425-79-8 219-371-7 01-2119494060-45- XXXX	Aquatic Chronic 3; H412 Acute Tox. 4; H302 Acute Tox. 4; H332 Acute Tox. 4; H312 Skin Irrit. 2; H315 Skin Sens. 1; H317 Eye Dam. 1; H318 Acute toxicity esti- mate Acute oral toxicity: 1.163 mg/kg	>= 10 - < 20
bis(isopropyl)naphthalene	38640-62-9 254-052-6 01-2119565150-48- XXXX	Asp. Tox. 1; H304 Aquatic Chronic 1; H410	>= 0,025 - < 0,25
Pentamethyl piperidylsebacate Contains: bis(1,2,2,6,6-pentamethyl-4- piperidyl) sebacate methyl 1,2,2,6,6-pentamethyl-4- piperidyl sebacate	1065336-91-5 915-687-0 01-2119491304-40- XXXX	Skin Sens. 1A; H317 Repr. 2; H361f Aquatic Acute 1; H400 Aquatic Chronic 1; H410 M-Factor (Acute aquatic toxicity): 1 M-Factor (Chronic aquatic toxicity): 1	>= 0,1 - < 0,25

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	<ul> <li>Take off contaminated clothing and shoes immediately.</li> <li>Wash off with soap and plenty of water.</li> <li>If symptoms persist, call a physician.</li> </ul>				
In case of eye contact	<ul> <li>Small amounts splashed into eyes can cause irreversible tissue damage and blindness.</li> <li>In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.</li> <li>Continue rinsing eyes during transport to hospital.</li> <li>Remove contact lenses.</li> <li>Keep eye wide open while rinsing.</li> </ul>				
If swallowed	<ul> <li>Do not induce vomiting without medical advice.</li> <li>Rinse mouth with water.</li> <li>Do not give milk or alcoholic beverages.</li> <li>Never give anything by mouth to an unconscious person.</li> </ul>				
4.2 Most important symptoms and	l effects, both acute and delayed				
Symptoms	<ul> <li>Allergic reactions         Excessive lachrymation             Erythema             Dermatitis             See Section 11 for more detailed information on health effects             and symptoms.     </li> </ul>				
Risks	: irritant effects sensitising effects				
	Causes skin irritation. May cause an allergic skin reaction. Causes serious eye damage.				
4.3 Indication of any immediate medical 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/wate ide/sand/foam/alcohol resistant foam/chen 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 encourses.	ter drains or water
Hazardous combustion prod- ucts	:	No hazardous combustion products are kn	iown
5.3 Advice for firefighters			
Special protective equipment for firefighters	:	In the event of fire, wear self-contained bre	eathing apparatus.
Further information	:	Collect contaminated fire extinguishing wa must not be discharged into drains. Fire residues and contaminated fire exting be disposed of in accordance with local reg	uishing 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 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 Normal measures for preventive fire protection. 1 fire and explosion Handle in accordance with good industrial hygiene and safety Hygiene measures 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, including any incompatibilities Requirements for storage Keep container tightly closed in a dry and well-ventilated areas and containers place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Store in accordance 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 Sheet prior to any use.

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

#### 8.1 Control parameters

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 protection : Safety glasses with side-shields conforming to EN166



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Hand protection :	Eye wash bottle with pure water Chemical-resistant, impervious gloves complying proved standard must be worn at all times when chemical products. Reference number EN 374. F facturer specifications.	handling
	Suitable for short time use or protection against s 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.	splashes:
Skin and body protection : Respiratory protection :	Protective clothing (e.g. Safety shoes acc. to EN long-sleeved working clothing, long trousers). Ru and protective boots are additionaly recommend and stirring work. No special measures required.	lbber aprons
Environmental exposure contr		
•	Do not flush into surface water or sanitary sewer If the product contaminates rivers and lakes or d respective authorities.	

## **SECTION 9: Physical and chemical properties**

#### 9.1 Information on basic physical and chemical properties

Physical state Colour Odour	:	liquid blue characteristic, very faint
Melting point/range / Freezing point	:	No data available
Boiling point/boiling range	:	> 200 °C
Flammability (solid, gas)	:	No data available
Upper/lower flammability or o	exp	losive limits
Upper explosion limit / Up- per flammability limit	-	
Lower explosion limit / Lower flammability limit	:	No data available
Flash point	:	> 110 °C Method: closed cup
Auto-ignition temperature	:	No data available

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



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Decomposition temperature	:	No data available	
рН	:	Not applicable	
<b>Viscosity</b> Viscosity, kinematic	:	No data available	
Solubility(ies) Water solubility	:	insoluble	
Partition coefficient: n- octanol/water	:	No data available	
Vapour pressure	:	0,1 hPa	
Density	:	1,16 g/cm3 (20 °C)	
Relative vapour density	:	No data available	
Particle characteristics	:	No data available	
<b>9.2 Other information</b> No data available			
SECTION 10: Stability and rea	cti	vity	
<b>10.1 Reactivity</b> No dangerous reaction known	un	der conditions of normal use.	
<b>10.2 Chemical stability</b> The product is chemically stab	le.		
<b>10.3 Possibility of hazardous rea</b> Hazardous reactions	ctio		

#### 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 decomposition if stored and applied as directed.



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### **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)ph	-	
Acute oral toxicity	:	LD50 Oral (Rat): > 5.000 mg/kg
Acute dermal toxicity	:	LD50 Dermal (Rabbit): > 5.000 mg/kg
1,4-bis(2,3 epoxypropoxy)b	uta	ne:
Acute oral toxicity	:	LD50 Oral (Rat): 1.163 mg/kg
		Acute toxicity estimate: 1.163 mg/kg Method: Calculation method
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
Pentamethyl piperidylsebac	cate	:
Acute oral toxicity	:	LD50 Oral (Rat): 3.230 mg/kg
Skin corrosion/irritation Causes skin irritation.		
Serious eye damage/eye irr		ion
Causes serious eye damage.		
Respiratory or skin sensitis	atio	on
<b>Skin sensitisation</b> May cause an allergic skin re	acti	on.
Respiratory sensitisation Not classified based on availa	able	information.
Germ cell mutagenicity		
Not classified based on availa	able	information.

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#### 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
Pentamethyl piperidylsebacat	te	

#### Pentametnyi piperidyisebacate:

Toxicity to fish	:	LC50 (Fish): 0,97 mg/l Exposure time: 96 h
M-Factor (Acute aquatic tox- icity)	:	1
M-Factor (Chronic aquatic toxicity)	:	1





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#### 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 very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher..

#### 12.6 Endocrine disrupting properties

Ρ	r	o	d	u	С	t	:	

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.

#### 12.7 Other adverse effects

#### Product:

Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Toxic to aquatic life with long lasting effects.

#### **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.



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European Waste Catalogue	: 20 01 27* paint, inks, adhesives and re gerous substances	sins containing dan-
Contaminated packaging	: 15 01 10* packaging containing residue by dangerous substances	es of or 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	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (epoxy resin)
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)		
ADR	:	9
IMDG	:	9
ΙΑΤΑ	:	9
14.4 Packing group		
<b>ADR</b> Packing group Classification Code Hazard Identification Number Labels Tunnel restriction code	:	III M6 90 9 (-)
IMDG Packing group Labels EmS Code IATA (Cargo) Packing instruction (cargo	:	III 9 F-A, S-F 964
aircraft) Country GB 00000680978		12 / 15



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Packing instruction (LQ) Packing group Labels	: Y964 : III : Miscellaneous	
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) Environmentally hazardous	: yes	
14.6 Special precautions for user		

#### 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

Relevant EU provisions transposed through retained EU law

U	IK REACH List of restrictions (Annex 17)	:	Conditions of restriction for the fol- lowing entries should be considered	
	nternational Chemical Weapons Convention (CWC) Schedules of Toxic Chemicals and Precursors	:	Not applicable	
	Regulation (EC) No 1005/2009 on substances that de- lete the ozone layer	:	Not applicable	
	B Export and import of hazardous chemicals - Prior formed Consent (PIC) Regulation	:	Not applicable	
С	Control of Major Accident Hazards Regulations E2 015 (COMAH)	EN	VIRONMENTAL HAZARDS	
		tax fo	or volatile organic compounds	
`ount			11	$\frac{2}{1}$



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### (VOCV)

Volatile organic compounds (VOC) content: < 0% 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% 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.

#### 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**

H302 : H304 : H304 : H312 : H315 : H317 : H318 : H319 : H332 : H361f : H400 : H410 : H411 : H412 : H412 : H361 : H412 : H304 : H304 : H412 : H304 : H412 : H304 : H412 : H412 : H304 : H412 : H304 : H		Harmful if swallowed. May be fatal if swallowed and enters airways. Harmful in contact with skin. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye damage. Causes serious eye damage. Causes serious eye irritation. Harmful if inhaled. Suspected of damaging fertility. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects. Toxic to aquatic life with long lasting effects. Harmful to aquatic life with long lasting effects.				
Full text of other abbreviations						
Acute Tox.:Aquatic Acute:Aquatic Chronic:Asp. Tox.:Eye Dam.:Eye Irrit.:Repr.:Skin Irrit.:Skin Sens.:		Acute toxicity Short-term (acute) aquatic hazard Long-term (chronic) aquatic hazard Aspiration hazard Serious eye damage Eye irritation Reproductive toxicity Skin irritation Skin sensitisation				



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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 test animals)	half) of a group of			
LC50	:	Median lethal concentration (concentrations air that kills 50% of the test animals during the partial)				
MARPOL	:	period) International Convention for the Prevention of Pollution from Ships, 1973 as modified by the Protocol of 1978				
OEL		Occupational Exposure Limit	1970			
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	0,			
vPvB	:	Very persistent and very bioaccumulative				
Further information						
Classification of the mixture:		Classification pro	ocedure:			
Skin Irrit. 2	H3	315 Calculation method	d			
Evo Dom 1	Ц?	219 Colculation mother	4			

Eye Dam. 1 H318 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