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

### 1.1 Product identifier

Trade name : SikaBiresin® RE204 Part B

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

Product use : Electrical resin, Product is not intended for consumer use

#### 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 12	72/2008)
Acute toxicity, Category 4	H302: Harmful if swallowed.
Skin corrosion, Sub-category 1B	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.
Reproductive toxicity, Category 2	H361d: Suspected of damaging the unborn child.
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	:	H302 H314 H317 H361d H411	Harmful if swallowed. Causes severe skin burns and e May cause an allergic skin react Suspected of damaging the unbe Toxic to aquatic life with long las	ion. orn child.
Supplemental Hazard Statements	:	EUH071	Corrosive to the respiratory tract	
Precautionary statements	:	Prevention: P273 P280	Avoid release to the environmen Wear protective gloves/ protective eye protection/ face protection.	
		Response:		
		P303 + P361 + F	2353 IF ON SKIN (or hair): Take ately all contaminated clothing. F with water.	
		P304 + P340 + F		athing. Im-
		P305 + P351 + F		e cautiously Remove con- to do. Con-
		P391	Collect spillage.	

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

3-aminomethyl-3,5,5-trimethylcyclohexylamine Phenol, styrenated m-phenylenebis(methylamine) salicylic acid

### 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

components			
Chemical name	CAS-No. EC-No. Registration number	Classification	Concentration (% w/w)
3-aminomethyl-3,5,5- trimethylcyclohexylamine	2855-13-2 220-666-8 01-2119514687-32- XXXX	Acute Tox. 4; H302 Skin Corr. 1B; H314 Eye Dam. 1; H318 Skin Sens. 1A; H317 	>= 40 - < 60
Phenol, styrenated	61788-44-1 262-975-0 01-2119980970-27- XXXX, 01- 2119979575-18- XXXX	Skin Irrit. 2; H315 Skin Sens. 1A; H317 Aquatic Chronic 2; H411	>= 25 - < 40



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m-phenylenebis(methylamine)	1477-55-0 216-032-5 01-2119480150-50- XXXX	Acute Tox. 4; H302 Acute Tox. 4; H332 Skin Corr. 1B; H314 Skin Sens. 1B; H317 Aquatic Chronic 3; H412 EUH071 Acute toxicity esti- mate Acute oral toxicity: 930 mg/kg Acute inhalation tox- icity (dust/mist): 1,34 mg/l	>= 20 - < 25
salicylic acid	69-72-7 200-712-3 01-2119486984-17- XXXX	Acute Tox. 4; H302 Eye Dam. 1; H318 Repr. 2; H361d Acute toxicity esti- mate Acute oral toxicity: 891 mg/kg	>= 3 - < 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. Immediate medical treatment is necessary as untreated wounds from corrosion of the skin heal slowly and with difficul- ty.
In case of eye contact	:	Small amounts splashed into eyes can cause irreversible tis- sue damage and blindness. In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Continue rinsing eyes during transport to hospital.



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	Remove contact lenses.	
	Keep eye wide open while rinsing.	
If swallowed :	Do not induce vomiting without medical advi	ice.
	Rinse mouth with water.	
	Do not give milk or alcoholic beverages.	
	Never give anything by mouth to an unconse	cious person.
4.2 Most important symptoms and	effects, both acute and delayed	
Symptoms :	Gastrointestinal discomfort	
	Allergic reactions	
	Dermatitis	
	See Section 11 for more detailed information	n on health effects
	and symptoms.	
Risks :	Health injuries may be delayed.	
	corrosive effects	
	sensitising effects	
	Harmful if swallowed.	
	May cause an allergic skin reaction.	
	Causes serious eye damage.	
	Suspected of damaging the unborn child.	
	Corrosive to the respiratory tract.	
	Causes severe burns.	
4.3 Indication of any immediate me	edical attention and special treatment neede	ed
Treatment :		
SECTION 5: Firefighting measu	res	
5.1 Extinguishing media		
Suitable extinguishing media :	In case of fire, use water/water spray/water	
	ide/sand/foam/alcohol resistant foam/chemi	cal powder for
	extinction.	
5.2 Special hazards arising from th	e substance or mixture	
Specific hazards during fire- :		er drains or water
fighting	courses.	
Hazardous combustion prod- :	No hazardous combustion products are kno	wn
ucts		
5.3 Advice for firefighters		
_	In the event of fire, wear self contained brea	thing apparatus
for firefighters	In the event of fire, wear self-contained brea	aming apparatus.
Country GB 10000025200		5/17



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Further information	: Collect contaminated fire extinguishing must not be discharged into drains. Fire residues and contaminated fire ex be disposed of in accordance with loca	tinguishing water must
SECTION 6: Accidental release	e measures	
6.1 Personal precautions, protect	ive equipment and emergency procedu	ires
Personal precautions	: Use personal protective equipment. Deny access to unprotected persons.	
6.2 Environmental precautions		
Environmental precautions	: Do not flush into surface water or sanit If the product contaminates rivers and respective authorities.	
6.3 Methods and material for con	ainment and cleaning up	
Methods for cleaning up	: Soak up with inert absorbent material ( acid binder, universal binder, sawdust) Keep in suitable, closed containers for	).
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	:	<ul> <li>Avoid exceeding the given occupational exposure limits (see section 8).</li> <li>Do not get in eyes, on skin, or on clothing.</li> <li>For personal protection see section 8.</li> <li>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.</li> <li>Smoking, eating and drinking should be prohibited in the application area.</li> <li>Follow standard hygiene measures when handling chemical products</li> </ul>
Advice on protection against fire and explosion	:	Normal measures for preventive fire protection.



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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, i	ncl	uding any incompatibilities	
Requirements for storage areas and containers	:	Keep container tightly closed in a dry and well-v place. Containers which are opened must be ca sealed and kept upright to prevent leakage. Stor ance with local regulations.	refully re-
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

	Compon	ents				CAS	-No.	V o	/alue type (Form f exposure)	Control parame- ters *	Basis *
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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.

#### Personal protective equipment

Eye/face protection	:	Safety glasses with side-shields conforming to EN166 Eye wash bottle with pure water Wear eye/face protection.
Hand protection	:	Chemical-resistant, impervious gloves complying with an ap- proved standard must be worn at all times when handling chemical products. Reference number EN 374. Follow manu- facturer 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



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	and protective boots are additionaly recommend and stirring work.	ed for mixing
Respiratory protection :	No special measures required.	
Environmental exposure contr	ols	
General advice :	Do not flush into surface water or sanitary sewer If the product contaminates rivers and lakes or do respective authorities.	

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

### 9.1 Information on basic physical and chemical properties

Physical state	:	liquid
Colour	:	yellow
Odour	:	amine-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 e	exp	losive limits
Upper explosion limit / Upper flammability limit	:	No data available
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	:	9 - 12 (20 °C) Concentration: 100 %



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Viscosity Viscosity, kinematic	: No data available	
<b>Solubility(ies)</b> Water solubility	: insoluble	
Partition coefficient: n- octanol/water	: No data available	
Vapour pressure	: 0,02 hPa	
Density	: ca. 1,00 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	activity	
10.1 Reactivity		
-	under conditions of normal use.	
<b>10.2 Chemical stability</b> The product is chemically stal	ble.	

## 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**

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		
Harmful if swallowed.		
Components:		
3-aminomethyl-3,5,5-trime	ethylc	
Acute oral toxicity	:	Acute toxicity estimate: 1.030 mg/kg Method: Acute toxicity estimate according to Regulation (EC) No. 1272/2008
		LD50 Oral (Rat): 1.030 mg/kg
Acute inhalation toxicity	:	LC50 (Rat): > 5 mg/l Exposure time: 4 h Test atmosphere: dust/mist
Acute dermal toxicity	:	LD50 Dermal (Rabbit): > 2.000 mg/kg
		LD50 (Rabbit): > 2.000 - 5.000 mg/kg
Phenol, styrenated:		
Acute oral toxicity	:	LD50 Oral (Rat): 2.500 mg/kg
Acute dermal toxicity	:	LD50 Dermal (Rat): > 5.000 mg/kg
m-phenylenebis(methylar	nine):	
Acute oral toxicity	:	LD50 Oral (Rat): 930 mg/kg
		Acute toxicity estimate: 930 mg/kg Method: Calculation method
Acute inhalation toxicity	:	LC50 (Rat): 1,34 mg/l Exposure time: 4 h Test atmosphere: dust/mist Assessment: Corrosive to the respiratory tract.
		Acute toxicity estimate: 1,34 mg/l Test atmosphere: dust/mist Method: Calculation method
Acute dermal toxicity	:	LD50 Dermal (Rat): > 3.100 mg/kg
salicylic acid:		
Acute oral toxicity	:	LD50 Oral (Rat): 891 mg/kg



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	Acute toxicity estimate: 891 mg/kg Method: Calculation method	
Acute dermal toxicity :	LD50 Dermal (Rat): > 2.000 mg/kg	
Skin corrosion/irritation Causes severe burns.		
Serious eye damage/eye irritat Causes serious eye damage.	ion	
Respiratory or skin sensitisati	on	
<b>Skin sensitisation</b> May cause an allergic skin reacti	on.	
<b>Respiratory sensitisation</b> Not classified based on available	information.	
Germ cell mutagenicity Not classified based on available	information.	
<b>Carcinogenicity</b> Not classified based on available	information.	
Reproductive toxicity Suspected of damaging the unbo	orn child.	
<b>STOT - single exposure</b> Corrosive to the respiratory tract		
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 propertie	es	
Product: Assessment :	The substance/mixture does not contain com ered to have endocrine disrupting properties REACH Article 57(f) or Commission Delegate (EU) 2017/2100 or Commission Regulation (E levels of 0.1% or higher.	according to ed regulation



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## **SECTION 12: Ecological information**

### 12.1 Toxicity

Components:		
3-aminomethyl-3,5,5-trimet	hylc	yclohexylamine:
Toxicity to algae/aquatic plants	:	ErC50 (Desmodesmus subspicatus (green algae)): > 10 - 100 mg/l Exposure time: 72 h
		NOEC (Desmodesmus subspicatus (green algae)): 1,5 mg/l Exposure time: 72 h
m-phenylenebis(methylam	ine):	
Toxicity to fish	:	LC50 (Oryzias latipes (Japanese medaka)): > 10 - 100 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	r :	EC50 (Daphnia magna (Water flea)): > 10 - 100 mg/l Exposure time: 48 h
12.2 Persistence and degradabi	ility	
No data available		
<b>12.3 Bioaccumulative potential</b> No data available		
12.4 Mobility in soil		
No data available		
12.5 Results of PBT and vPvB a	isse	ssment
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**

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.



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## 12.7 Other adverse effects

### Product:

Additional ecological infor-	:	An environmental hazard cannot be excluded in the event of
mation		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.
European Waste Catalogue	:	20 01 27* paint, inks, adhesives and resins containing dan- gerous 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 3267		
IMDG	:	UN 3267		
ΙΑΤΑ	:	UN 3267		
14.2 UN proper shipping name				
ADR	:	CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (3-aminomethyl-3,5,5-trimethylcyclohexylamine, Phenol, styrenated)		
IMDG	:	CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (3-aminomethyl-3,5,5-trimethylcyclohexylamine, Phenol, styrenated)		



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ΙΑΤΑ	:	Corrosive liquid, basic, organi (3-aminomethyl-3,5,5-trimethy styrenated)	
14.3 Transport hazard class(es)			
		Class Subsidi	ary risks
ADR	:	8	
IMDG	:	8	
ΙΑΤΑ	:	8	
14.4 Packing group			
<b>ADR</b> Packing group Classification Code Hazard Identification Number Labels Tunnel restriction code	:	II C7 80 8 (E)	
<b>IMDG</b> Packing group Labels EmS Code	:	II 8 F-A, S-B	
IATA (Cargo) Packing instruction (cargo aircraft) Packing instruction (LQ) Packing group Labels	:	855 Y840 II Corrosive	
IATA (Passenger) Packing instruction (passen- ger aircraft)	:	851	
Packing instruction (LQ) Packing group Labels	:	Y840 II Corrosive	
14.5 Environmental hazards			
<b>ADR</b> Environmentally hazardous	:	yes	
IMDG Marine pollutant	:	yes	
IATA (Passenger) Environmentally hazardous	:	yes	
IATA (Cargo) Environmentally hazardous	:	yes	



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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

Relevant EU provisions transposed through retained EU law

UK REACH List of restrictions (And	nex 17) :	Not applicable
International Chemical Weapons C Schedules of Toxic Chemicals and	( )	Not applicable
Regulation (EC) No 1005/2009 on plete the ozone layer	substances that de- :	Not applicable
GB Export and import of hazardou Informed Consent (PIC) Regulation		Not applicable
	Law on the incentive tax f (VOCV) no VOC duties Directive 2010/75/EU of 2	IVIRONMENTAL HAZARDS for volatile organic compounds 24 November 2010 on industrial lution prevention and control)
If other regulatory information appl Sheet, then it is described in this s		vided elsewhere in the Safety Data
		Act 1990 & Subsidiary Regulations k Act 1974 & Subsidiary Regulations

mixture:



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### 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

Full text of H-Statements		
H302	:	Harmful if swallowed.
H314	:	Causes severe skin burns and eye damage.
H315	:	Causes skin irritation.
H317	:	May cause an allergic skin reaction.
H318	:	Causes serious eye damage.
H332	÷	Harmful if inhaled.
H361d	÷	Suspected of damaging the unborn child.
H411	÷	Toxic to aquatic life with long lasting effects.
H412	÷	Harmful to aquatic life with long lasting effects.
Full text of other abbreviati	one	
Acute Tox.	:	Acute toxicity
Aquatic Chronic	:	Long-term (chronic) aquatic hazard
Eye Dam.	÷	Serious eye damage
Repr.	÷	Reproductive toxicity
Skin Corr.	÷	Skin corrosion
Skin Irrit.	÷	Skin irritation
Skin Sens.	:	Skin sensitisation
ADR	:	European Agreement concerning the International Carriage of
040		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
1.052		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



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## **Further information**

#### **Classification of the mixture: Classification procedure:** Acute Tox. 4 H302 Calculation method Skin Corr. 1B H314 Calculation method H318 Eye Dam. 1 Calculation method Skin Sens. 1 H317 Calculation method Repr. 2 H361d 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