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

1.1 Product identifier

Trade name : Biresin[®] RG51 HS (A)

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

Product use : Tooling system, For professional users only.

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 sensitisation, Category 1H317: May cause an allergic skin reaction.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)

Easting (RECOLMING)	,	110 1212/2000)	
Hazard pictograms	:		
Signal word	:	Warning	•
Hazard statements	:	H317 H411	May cause an allergic skin reaction. Toxic to aquatic life with long lasting effects.
Precautionary statements	:	Prevention: P261	Avoid breathing mist or vapours.



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	P273 P280	Avoid release to the environment Wear protective gloves.	nt.
	Response:		
	P333 + P313	If skin irritation or rash occurs: (advice/ attention.	Get medical
	P362 + P364	Take off contaminated clothing before reuse.	and wash it
	P391	Collect spillage.	

Hazardous components which must be listed on the label:

6-methyl-2,4-bis(methylthio)phenylene-1,3-diamine

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.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Components

Chemical name	CAS-No.	Classification	Concentration
	EC-No.		(% w/w)
	Registration number		
6-methyl-2,4-	106264-79-3	Acute Tox. 4; H302	>= 20 - < 25
bis(methylthio)phenylene-1,3-	403-240-8	Skin Sens. 1; H317	
diamine	01-0000015292-76-	Aquatic Acute 1;	
	XXXX	H400	
		Aquatic Chronic 1;	
		H410	
		Acute toxicity esti-	
		mate	
		Aguto oral toxicity:	
		Acute oral toxicity:	
		1.515 mg/kg	

For explanation of abbreviations see section 16.

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



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SECTION 4: First aid measures

4.1 Description of first aid measure	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 :	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 person.					
4.2 Most important symptoms and	effects, both acute and delayed					
Symptoms :	Allergic reactions See Section 11 for more detailed information on health effects and symptoms.					
Risks :	sensitising effects					
	May cause an allergic skin reaction.					
4.3 Indication of any immediate medical attention and special treatment needed						
Treatment :	Treat symptomatically.					

SECTION 5: Firefighting measures

5.1 Extinguishing media Suitable extinguishing media : In case of fire, use water/water spray/water jet/carbon dioxide/sand/foam/alcohol resistant foam/chemical powder for extinction.

5.2 Special hazards arising from the substance or mixture

Specific hazards during fire- : Do not allow run-off from fire fighting to enter drains or water



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fighting		courses.	
Hazardous combustion prod- ucts	:	No hazardous combustion products are known	
	:	In the event of fire, wear self-contained breathing	apparatus.
for firefighters Further information	:	Collect contaminated fire extinguishing water sep must not be discharged into drains. Fire residues and contaminated fire extinguishing be disposed of in accordance with local regulatior	water must

SECTION 6: Accidental release measures

6.1	Personal precautions, protecti	ive	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 cont	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.

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-



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	plication area. Follow standard hygiene measures when hand products	ling chemical				
Advice on protection against : fire and explosion	Normal measures for preventive fire protection					
Hygiene measures :	Handle in accordance with good industrial hygi practice. When using do not eat or drink. When smoke. Wash hands before breaks and at the	n using do not				
7.2 Conditions for safe storage, including any incompatibilities						
Requirements for storage : areas and containers	Keep container tightly closed in a dry and well- place. Containers which are opened must be ca sealed and kept upright to prevent leakage. Sto ance with local regulations.	arefully re-				
Further information on stor- : age stability	No decomposition if stored and applied as dire	cted.				
7.3 Specific end use(s)						
Specific use(s) :	Consult most current local Product Data Sheet use.	prior to any				

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Components CAS-No. Value type (Form of exposure) Control parameters 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	
Hand protection	Chemical-resistant, impervious gloves complying with a proved standard must be worn at all times when handli chemical products. Reference number EN 374. Follow facturer specifications. Suitable for short time use or protection against splash Butyl rubber/nitrile rubber gloves (> 0,1 mm) Contaminated gloves should be removed.	ng manu-
	Suitable for permanent exposure:	
	Viton gloves (0.4 mm),	
	breakthrough time >30 min.	



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Skin and body protection :	Protective clothing (e.g. Safety shoes acc. t	
	long-sleeved working clothing, long trousers and protective boots are additionaly recomm and stirring work.	
Respiratory protection	: No special measures required.	
Environmental exposure cont	rols	
General advice	: Do not flush into surface water or sanitary s If the product contaminates rivers and lakes respective authorities.	

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state Colour Odour	:	liquid various characteristic
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 o	exp	losive limits
Upper explosion limit / Up- per flammability limit	•	
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. 1.300 mPa.s (23 °C)
Viscosity, kinematic	:	> 20,5 mm2/s (40 °C)



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Solubility(ies) Water solubility	: in:	soluble	
Partition coefficient: n- octanol/water	: No	o data available	
Vapour pressure	: 0,	01 hPa	
Density	: ca	ı. 1,05 g/cm3 (20 °C)	
Relative vapour density	: No	o data available	
Particle characteristics	: No	o 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.

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

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.



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Components:

6-methyl-2,4-bis(methylthio)phenylene-1,3-diamine:

Acute oral toxicity

Acute toxicity estimate: 1.515 mg/kg Method: Calculation method

: LD50 Oral (Rat): 1.515 mg/kg

Skin corrosion/irritation

Not classified based on available information.

Serious eye damage/eye irritation

Not classified based on available information.

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.



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SECTION 12: Ecological information

12.1 Toxicity

No data available

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

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.

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.

Global warming potential

Assessment Report of the Intergovernmental Panel on Climate Change (IPCC) of the United Nations Framework Convention on Climate Change (UNFCCC)

Components:

octamethylcyclotetrasiloxane [D4]:

20-year global warming potential: 2,66 100-year global warming potential: 0,739 500-year global warming potential: 0,211 Atmospheric lifetime: 0,027 yr



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Radiative efficiency: 0,12 Wm2ppb Further information: Miscellaneous compounds

:

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.

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	:	N.O.S.	Y HAZARDOUS SUBSTANCE, LIQUID, hthylthio)phenylene-1,3-diamine)	
IMDG	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (6-methyl-2,4-bis(methylthio)phenylene-1,3-diamine)		
ΙΑΤΑ	:	Environmentally hazardous substance, liquid, n.o.s. (6-methyl-2,4-bis(methylthio)phenylene-1,3-diamine)		
14.3 Transport hazard class(es)				
		Class	Subsidiary risks	
ADR	:	9		
IMDG	:	9		
ΙΑΤΑ	:	9		



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14.4 Packing group

	ADR Packing group Classification Code Hazard Identification Number Labels Tunnel restriction code	:	III M6 90 9 (-)
	IMDG Packing group Labels EmS Code	:	III 9 F-A, S-F
	IATA (Cargo) Packing instruction (cargo aircraft) Packing instruction (LQ) Packing group Labels		964 Y964 III Miscellaneous
	IATA (Passenger) Packing instruction (passen- ger aircraft) Packing instruction (LQ) Packing group Labels		964 Y964 III Miscellaneous
14.5	Environmental hazards		

ADR
Environmentally hazardous:yesIMDG
Marine pollutant:yesIATA (Passenger)
Environmentally hazardous:yesIATA (Cargo):yes

Environmentally hazardous : yes

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.



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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 (Annex 17)			Not applicable
UK REACH Candidate list of subs concern (SVHC) for Authorisation	UK REACH Candidate list of substances of very high concern (SVHC) for Authorisation		
The Persistent Organic Pollutants Regulations (retained Regulation (EU) 2019/1021 as amended for Great Brit- ain)			Not applicable
International Chemical Weapons Schedules of Toxic Chemicals an	()	:	Not applicable
Regulation (EC) No 1005/2009 or plete the ozone layer	substances that de-	:	Not applicable
UK REACH List of substances sul (Annex XIV)	bject to authorisation	:	Not applicable
GB Export and import of hazardou Informed Consent (PIC) Regulation		:	Not applicable
Control of Major Accident Hazards 2015 (COMAH)	s Regulations E2	EN١	/IRONMENTAL HAZARDS
Volatile organic compounds :	(VOCV)		or volatile organic compounds Is (VOC) content: 0% w/w
	emissions (integrated p	sollu	4 November 2010 on industrial ition prevention and control) is (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)
mixture.	May be subject to the Control of Major Accident Hazards Regulations (COMAH), and amendments.



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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		
H302	:	Harmful if swallowed.
H317	:	May cause an allergic skin reaction.
H400	:	Very toxic to aquatic life.
H410	:	Very toxic to aquatic life with long lasting effects.
Full text of other abbreviation	ons	
Acute Tox.	:	Acute toxicity
Aquatic Acute	:	Short-term (acute) aquatic hazard
Aquatic Chronic	:	Long-term (chronic) aquatic hazard
Skin Sens.	:	Skin sensitisation
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
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
		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
	·	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
		•

Further information

Classification of the mixtu	Classification procedure:	
Skin Sens. 1	H317	Calculation method
Aquatic Chronic 2	H411	Calculation 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