

Date of last issue: 01.12.2023	Version 5.5	Print Date 29.02.2024
Revision Date: 19.12.2023		

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

1.1 Product identifier

Trade name : Sikalastic[®]-580

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

Product use	: Acrylate coating
-------------	--------------------

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 1	H317: May cause an allergic skin reaction.
Long-term (chronic) aquatic hazard, Cat- egory 3	H412: Harmful to aquatic life with long lasting effects.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms		
Signal word	: Warning	
Hazard statements	: H317 H412	May cause an allergic skin reaction. Harmful to aquatic life with long lasting ef- fects.



Date of last issue: 01.12.2023 Revision Date: 19.12.2023	V	ersion 5.5	Print Date 29.02.2024
Precautionary statements :	P101 P102	If medical advice is needed, hav container or label at hand. Keep out of reach of children.	ve product
	Prevention: P261 P273 P280	Avoid breathing mist or vapours Avoid release to the environmer Wear protective gloves.	
	Disposal: P501	Dispose of contents/container in with local regulation.	accordance

Hazardous components which must be listed on the label:

1,2-benzisothiazol-3(2H)-one (BIT)

4,5-dichloro-2-octyl-2H-isothiazol-3-one (DCOIT)

Additional Labelling

EUH211 Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

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.

Contains a biocide in order to protect the product. Active ingredient: 1,2-benzisothiazol-3(2H)-one (BIT), 2634-33-5, 4,5-dichloro-2-octyl-2H-isothiazol-3-one (DCOIT), 64359-81-5. Please use treated articles responsibly.



Date of last issue: 01.12.2023 Revision Date: 19.12.2023

SAFETY DATA SHEET

Version 5.5

Print Date 29.02.2024

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Components

Chemical name	CAS-No. EC-No.	Classification	Concentration (% w/w)
	Registration number		(, , , ,
Titanium dioxide (> 10 μm)	13463-67-7 236-675-5 01-2119489379-17- XXXX		>= 5 - < 10
1,2-benzisothiazol-3(2H)-one (BIT)	2634-33-5 220-120-9 01-2120761540-60- XXXX	Acute Tox. 4; H302 Acute Tox. 2; H330 Skin Irrit. 2; H315 Eye Dam. 1; H318 Skin Sens. 1; H317 Aquatic Acute 1; H400 Aquatic Chronic 2; H411 	>= 0,025 - < 0,05

e of last issue: 01.12.2023 ision Date: 19.12.2023	Version 5.	.5	Print Date 29.02.2024
4,5-dichloro-2-octyl-2H-isothiazol- 3-one (DCOIT)		Acute Tox. 4; H302 Acute Tox. 2; H330 Skin Corr. 1; H314 Eye Dam. 1; H318 Skin Sens. 1A; H317 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 EUH071 M-Factor (Acute aquatic toxicity): 100100 M-Factor (Chronic aquatic toxicity): 100100 specific concentration limit Skin Irrit. 2; H315 0,025 - < 5 % Eye Irrit. 2; H315 0,025 - < 5 % Eye Irrit. 2; H319 0,025 - < 3 % Skin Sens. 1A; H317 >= 0,0015 % Acute toxicity esti- mate Acute oral toxicity: 567 mg/kg Acute inhalation tox- icity (dust/mist): 0,16 mg/l 0,16 mg/l	>= 0,0025 - < 0,025
propane-1,2-diol	57-55-6 200-338-0 01-2119456809-23- XXXX		>= 1 - < 2,5

For explanation of abbreviations see section 16.





Date of last issue: 01.12.2023 Revision Date: 19.12.2023 Version 5.5

Print Date 29.02.2024

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. 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 measu	res			

SECTION 5: Firefighting measures

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

5.2 Special hazards arising from the substance or mixture

Hazardous combustion prod- : No hazardous combustion products are known ucts



Date of last issue: 01.12.2023 Revision Date: 19.12.2023		Version 5.5	Print Date 29.02.2024
5.3 Advice for firefighters			
Special protective equipment for firefighters	:	In the event of fire, wear self-contained breathin	g apparatus.
Further information	:	Standard procedure for chemical fires.	
SECTION 6: Accidental releas	e I	measures	
6.1 Personal precautions, protect	tiv	e 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 sewe If the product contaminates rivers and lakes or or respective authorities.	
6.3 Methods and material for con	tai	nment and cleaning up	
Methods for cleaning up	:	Soak up with inert absorbent material (e.g. sand acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal.	-
6.4 Potoronco to other sections			

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 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 fire and explosion	:	Normal measures for preventive fire protection.



Date of last issue: 01.12.2023 Revision Date: 19.12.2023	Version 5.5	Print Date 29.02.2024
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. Store in accordance with local reg	
Further information on stor- age stability	No decomposition if stored and applied a	s 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

Components	CAS-No.	Value type (Form of exposure)	Control parame- ters *	Basis *
Titanium dioxide (> 10 μm)	13463-67-7	TWA (inhalable dust)	10 mg/m3	GB EH40
		TWA (Respirable dust)	4 mg/m3	GB EH40
propane-1,2-diol	57-55-6	TWA (particles)	10 mg/m3	GB EH40
		TWA (Total va- pour and partic- les)	150 ppm 474 mg/m3	GB EH40

*The above mentioned values are in accordance with the legislation in effect at the date of the release of this safety data sheet.

8.2 Exposure controls

Engineering measures

Maintain air concentrations below occupational exposure standards. Ensure adequate ventilation, especially in confined areas.

Personal protective equipr	ent	
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 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)	



-

Date of last issue: 01.12.2023 Revision Date: 19.12.2023	Version 5.5	Print Date 29.02.2024
	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 long-sleeved working clothing, long trousers) and protective boots are additionaly recomm and stirring work.	. Rubber aprons
Respiratory protection :	In case of inadequate ventilation wear respirator Respirator selection must be based on know exposure levels, the hazards of the product a ing limits of the selected respirator. organic vapor filter (Type A) A1: < 1000 ppm; A2: < 5000 ppm; A3: < 1000 Ensure adequate ventilation. This can be ach exhaust extraction or by general ventilation. ods for determining inhalation exposure). This ticular to the mixing / stirring area. In case th to keep the concentrations under the occupa limits then respiration protection measures m	n or anticipated and the safe work- 00 ppm hieved by local (EN 689 - Meth- is applies in par- is is not sufficent tional exposure
Environmental exposure cont	rols	
General advice	: Do not flush into surface water or sanitary se 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 Appearance Colour	:	liquid paste various
Odour	:	mild
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



Date of last issue: 01.12.2023 Revision Date: 19.12.2023		Version 5.5	Print Date 29.02.2024
Upper explosion limit / Up- per flammability limit	:	No data available	
Lower explosion limit / Lower flammability limit	:	No data available	
Flash point	:	Not applicable	
Auto-ignition temperature	:	No data available	
Decomposition temperature	:	No data available	
рН	:	9 - 10 (20 °C)	
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	:	1,25 g/cm3 (20 °C)	
Relative vapour density	:	No data available	
Particle characteristics	:	No data available	
0.2 Other information			

9.2 Other information

No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

No dangerous reaction known under conditions of normal use.



Date of last issue: 01.12.2023 Revision Date: 19.12.2023	Version 5.5	Print Date 29.02.2024
10.2 Chemical stability		
The product is chemically sta	le.	
10.3 Possibility of hazardous re	ctions	
Hazardous reactions	: No hazards to be specially mentioned.	
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 a	d applied as directed.	
SECTION 11: Toxicological i 11.1 Information on hazard clas Acute toxicity Not classified based on avail	es as defined in Regulation (EC) No 1272/200	3
Components:		
1,2-benzisothiazol-3(2H)-o		
Acute oral toxicity	: LD50 Oral (Rat): 597 mg/kg	
	Acute toxicity estimate: 597 mg/kg Method: Calculation method	
Acute inhalation toxicity	: LC50: 0,4 mg/l Exposure time: 4 h Test atmosphere: dust/mist	

Acute toxicity estimate: 0,4 mg/l Test atmosphere: dust/mist Method: Calculation method

Acute dermal toxicity : LD50 Dermal (Rabbit): > 2.000 mg/kg

4,5-dichloro-2-octyl-2H-isothiazol-3-one (DCOIT):

Acute oral toxicity	:	Acute toxicity estimate: 567 mg/kg Method: Acute toxicity estimate according to Regulation (EC) No. 1272/2008
---------------------	---	---

Acute toxicity estimate: 567 mg/kg



Date of last issue: 01.12.2023 Revision Date: 19.12.2023	Version 5.5	Print Date 29.02.2024
	Method: Acute toxicity estimate according No. 1272/2008	to Regulation (EC)
Acute inhalation toxicity	Acute toxicity estimate: 0,16 mg/l Test atmosphere: dust/mist Method: Acute toxicity estimate according No. 1272/2008	to Regulation (EC)
	Acute toxicity estimate: 0,16 mg/l Test atmosphere: dust/mist Method: Acute toxicity estimate according No. 1272/2008	to Regulation (EC)
Skin corrosion/irritation Not classified based on availabl	e information.	
Serious eye damage/eye irrita Not classified based on availabl		
Respiratory or skin sensitisat		
Skin sensitisation May cause an allergic skin reac	tion.	
Respiratory sensitisation Not classified based on availabl	e information.	
Components:		
1,2-benzisothiazol-3(2H)-one Assessment	(BIT): May cause sensitisation by skin contact.	
Germ cell mutagenicity Not classified based on availabl	e information.	
Carcinogenicity Not classified based on availabl	e information.	
Reproductive toxicity Not classified based on availabl	e information.	
STOT - single exposure Not classified based on availabl	e information.	
STOT - repeated exposure Not classified based on availabl	e information.	
Aspiration toxicity Not classified based on availabl	e information.	



Date of last issue: 01.12.2023 Revision Date: 19.12.2023	Version 5.5	Print Date 29.02.2024
11.2 Information on other hazards		
Endocrine disrupting properti	es	
Product:		
Assessment :	The substance/mixture does not contain co ered to have endocrine disrupting propertie REACH Article 57(f) or Commission Delega (EU) 2017/2100 or Commission Regulation levels of 0.1% or higher.	s according to ated regulation

SECTION 12: Ecological information

12.1 Toxicity

Components:

1,2-benzisothiazol-3(2H)-one (BIT):

Toxicity to daphnia and oth aquatic invertebrates	her :	EC50 (Daphnia (water flea)): 3 mg/l Exposure time: 48 h
4,5-dichloro-2-octyl-2H-i	sothiaz	zol-3-one (DCOIT):
Toxicity to fish	:	LC50 (Fish): 0,0027 mg/l Exposure time: 96 h
M-Factor (Acute aquatic to icity))X- :	100
		100
M-Factor (Chronic aquatic toxicity)	:	100
		100
12.2 Persistence and degrad No data available	ability	
12.3 Bioaccumulative potent No data available	al	
12.4 Mobility in soil		
No data available		
12.5 Results of PBT and vPvl	B asse	ssment
Product: Assessment	:	This substance/mixture contains no components considered



Date of last issue: 01.12.2023 Revision Date: 19.12.2023	Version 5.5	Print Date 29.02.2024
	to be either persistent, bioaccumulative and toxi very persistent and very bioaccumulative (vPvB 0.1% or higher	
12.6 Endocrine disrupting properti	es	
Product:		
Assessment :	The substance/mixture does not contain comporered to have endocrine disrupting properties accerted to have endocrine disrupting properties accerted (EU) 2017/2100 or Commission Regulation (EU) levels of 0.1% or higher.	cording to regulation
12.7 Other adverse effects		
<u>Product:</u> Additional ecological infor- : mation	An environmental hazard cannot be excluded in unprofessional handling or disposal. Harmful to aquatic life with long lasting effects.	the event of

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 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

SECTION 14: Transport information

14.1 UN number or ID number



ate of last issue: 01.12.2023 evision Date: 19.12.2023	Version 5.5	Print Date 29.02.20		
ADR	: Not regulated as a dangerous good			
IMDG	: Not regulated as a dangerous good			
IATA	: Not regulated as a dangerous good			
4.2 UN proper shipping nan				
ADR	: Not regulated as a dangerous good			
IMDG	: Not regulated as a dangerous good			
	: Not regulated as a dangerous good			
4.3 Transport hazard class(
ADR	: Not regulated as a dangerous good			
IMDG	: Not regulated as a dangerous good			
	: Not regulated as a dangerous good			
4.4 Packing group	. Not regulated as a dangerous good			
ADR	: Not regulated as a dangerous good			
	: Not regulated as a dangerous good			
IATA (Cargo)	: Not regulated as a dangerous good			
IATA (Passenger) 4.5 Environmental hazards	: Not regulated as a dangerous good			
Not regulated as a danger	ous good			
4.6 Special precautions for				
Not applicable				
4.7 Maritime transport in bu Not applicable for product	Ik according to IMO instruments			
	as supplied.			
ECTION 15: Regulatory i	nformation			
5.1 Safety, health and envir	onmental regulations/legislation specific for the	substance or mixture		
elevant EU provisions transp	osed through retained EU law			
UK REACH Candidate list concern (SVHC) for Author	of substances of very high : Not applicable risation			
The Persistent Organic Pollutants Regulations (retained : Not applicable Regulation (EU) 2019/1021 as amended for Great Brit- ain)				
	eapons Convention (CWC) : Not applicable			



-

Date of last issue: 01.12.2023 Revision Date: 19.12.2023	Version 5.5	Print Date 29.02.2024		
Schedules of Toxic Chemicals	and Precursors			
Regulation (EC) No 1005/2009 plete the ozone layer	on substances that de- : Not applicable	3		
UK REACH List of substances (Annex XIV)	UK REACH List of substances subject to authorisation : Not applicable (Annex XIV)			
Volatile organic compounds	 Law on the incentive tax for volatile organ (VOCV) Volatile organic compounds (VOC) content no VOC duties Directive 2010/75/EU of 24 November 20 emissions (integrated pollution prevention Volatile organic compounds (VOC) content 	nt: 0% w/w 010 on industrial n and control)		

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- mental regulation/legislation	:	Environmental Protection Act 1990 & Subsidiary Regulations Health and Safety at Work Act 1974 & Subsidiary Regulations
specific for the substance or mixture:		Control of Substances Hazardous to Health Regulations (COSHH)
		May be subject to the Control of Major Accident Hazards Regulations (COMAH), and amendments.

Other regulations:

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.
H314 :	Causes severe skin burns and eye damage.
H315 :	Causes skin irritation.
H317 :	May cause an allergic skin reaction.
H318 :	Causes serious eye damage.
H330 :	Fatal if inhaled.
H400 :	Very toxic to aquatic life.
H410 :	Very toxic to aquatic life with long lasting effects.
H411 :	Toxic to aquatic life with long lasting effects.

Full text of other abbreviations



ate of last issue: 01.12.2023 evision Date: 19.12.2023		Version 5.5	Print Date 29.02.2024
Acute Tox. Aquatic Acute Aquatic Chronic Eye Dam. Skin Corr. Skin Irrit.	:	Acute toxicity Short-term (acute) aquatic hazard Long-term (chronic) aquatic hazard Serious eye damage Skin corrosion Skin irritation	
Skin Int. Skin Sens. GB EH40 GB EH40 / TWA ADR	:	Skin sensitisation UK. EH40 WEL - Workplace Exposure Lim Long-term exposure limit (8-hour TWA refe European Agreement concerning the Intern	erence period)
CAS DNEL EC50 GHS	:	Dangerous Goods by Road Chemical Abstracts Service Derived no-effect level Half maximal effective concentration Globally Harmonized System	
IATA IMDG LD50	:	International Air Transport Association International Maritime Code for Dangerous Median lethal dosis (the amount of a mater once, which causes the death of 50% (one test animals)	rial, given all at
LC50	:	Median lethal concentration (concentration air that kills 50% of the test animals during period)	
MARPOL	:	International Convention for the Preventior Ships, 1973 as modified by the Protocol of	
OEL PBT PNEC REACH	:	Occupational Exposure Limit Persistent, bioaccumulative and toxic Predicted no effect concentration Regulation (EC) No 1907/2006 of the Euro and of the Council of 18 December 2006 c istration, Evaluation, Authorisation and Res cals (REACH), establishing a European Ch	pean Parliament oncerning the Reg- striction of Chemi-
SVHC vPvB	:	Substances of Very High Concern Very persistent and very bioaccumulative	lemicais Agency
Further information			
Classification of the mixt	ure:	Classification pr	ocedure:
Skin Sens. 1	H3	17 Calculation metho	bd

The information contained in this Safety Data Sheet corresponds to our level of knowledge at the

H412

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.

Calculation method

Changes as compared to previous version !

Aquatic Chronic 3

Version 5.5

Sikalastic[®]-580

Date of last issue: 01.12.2023 Revision Date: 19.12.2023

GB / EN



Print Date 29.02.2024