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

### **1.1 Product identifier**

Trade name : Sika<sup>®</sup> ViscoCrete<sup>®</sup>-30 HE (UK)

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

Product use : Concrete admixtures

### 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	:	EHS@uk.sika.com
responsible for the SDS		

### **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.



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Precautionary statements :	<b>Prevention:</b> P261 P273 P280	Avoid breathing mist or vapours Avoid release to the environmer Wear protective gloves.	
	Response:		
	P333 + P313	If skin irritation or rash occurs: G advice/ attention.	Set medical
	P362 + P364	Take off contaminated clothing a before reuse.	and wash it

# Disposal:

P501	Dispose of contents/container in accordance
	with local regulation.

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

1,2-benzisothiazol-3(2H)-one (BIT) 2-octyl-2H-isothiazole-3-one (OIT)

### 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.

Regulations SI 2019/758

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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)
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 	>= 0,0025 - < 0,025





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2-octyl-2H-isothiazole-3-one (OIT)	26530-20-1 247-761-7 01-2120768921-45- XXXX	Acute Tox. 3; H301 Acute Tox. 2; H330 Acute Tox. 3; H311 Skin Corr. 1; H314 Eye Dam. 1; H318 Skin Sens. 1A; H317 Aquatic Acute 1; H400 Aquatic Chronic 1;	>= 0,0025 - < 0,025	

247-761-7 01-2120768921-45- XXXX	Acute Tox. 3, H301 Acute Tox. 2; H330 Acute Tox. 3; H311 Skin Corr. 1; H314 Eye Dam. 1; H318 Skin Sens. 1A; H317 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 EUH071	>= 0,0025 - < 0,025	
	M-Factor (Acute aquatic toxicity): 100100 M-Factor (Chronic aquatic toxicity): 100100		
	specific concentration limit Skin Sens. 1A; H317 >= 0,0015 %		
	Acute toxicity esti- mate		
	Acute oral toxicity: 125 mg/kg 125 mg/kg Acute inhalation tox- icity (dust/mist): 0,27 mg/l		
	0,27 mg/l Acute dermal toxicity: 311 mg/kg 311 mg/kg		

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.



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		Consult a physician after significant ex	posure.
In case of skin contact	:	Take off contaminated clothing and she 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 speci	ialist.
If swallowed	:	Do not induce vomiting without medica Rinse mouth with water. Do not give milk or alcoholic beverages Never give anything by mouth to an un	S.
4.2 Most important symptoms a	nd	effects, both acute and delayed	
Symptoms	:	Allergic reactions See Section 11 for more detailed inform and symptoms.	nation on health effects
Risks	:	sensitising effects	
		May cause an allergic skin reaction.	
4.3 Indication of any immediate	me	dical attention and special treatment r	needed
Treatment	:	Treat symptomatically.	
SECTION 5: Firefighting mea	ISUI	es	
5.1 Extinguishing media			
Suitable extinguishing media	:	In case of fire, use water/water spray/w ide/sand/foam/alcohol resistant foam/c extinction.	
5.2 Special hazards arising fron	n th	e substance or mixture	
Hazardous combustion prod- ucts	. :	No hazardous combustion products are	e known
5.3 Advice for firefighters			
Special protective equipment for firefighters	: :	In the event of fire, wear self-contained	breathing apparatus.
Further information	:	Standard procedure for chemical fires.	



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## **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	:	<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 fire and ex	protection against xplosion	:	Normal measures for preventive fire protection.
Hygiene r	neasures	:	Handle in accordance with good industrial hygiene and safety 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-ventil	ated
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areas and containers	place. Containers which are opened mus sealed and kept upright to prevent leakag ance with local regulations.	
Further information on stor- age stability	No decomposition if stored and applied a	s directed.
<b>7.3 Specific end use(s)</b> Specific use(s)	Consult most current local Product Data suse.	Sheet prior to any

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

### 8.1 Control parameters

	Components	CAS-No.	Value type (Form of 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		
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 and protective boots are additionaly recommended for mixing and stirring work.		
Respiratory protection	No special measures required.		
Environmental exposure controls			

General advice : Do not flush into surface water or sanitary sew	/er system.
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If the product contaminates rivers and lakes or drains inform respective authorities.

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

9.1 Information on basic physical Physical state Colour	<b>an</b> : :	<b>d chemical properties</b> liquid straw-like
Odour	:	No data available
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	<u>-xn</u>	losive limits
Upper explosion limit / Up- per flammability limit	•	
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	:	4 - 5 (20 °C)
Viscosity Viscosity, kinematic	:	> 7 mm2/s (40 °C)
Solubility(ies) Water solubility	:	No data available
<b>•</b> • • • • • • • • •		

Solubility in other solvents : soluble



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Partition coefficient: n- octanol/water	: No data available	
Vapour pressure	: 23 hPa	

1 1	
Density	: ca. 1,011 g/cm3 (20 °C)
Relative vapour density	: No data available
Particle characteristics	: No 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 : No hazards to be specially mentioned.

### 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.



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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:**

1,2-benzisothiazol-3(2H)-one (BIT):			
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 Method: OECD Test Guideline 403		
	Acute toxicity estimate: 0,4 mg/l Test atmosphere: dust/mist Method: Calculation method		
Acute dermal toxicity	LD50 Dermal (Rabbit): > 2.000 mg/kg		
2-octyl-2H-isothiazole-3-one (	OIT):		
Acute oral toxicity	<ul> <li>Acute toxicity estimate: 125 mg/kg</li> <li>Method: Acute toxicity estimate according to Regulation (EC)</li> <li>No. 1272/2008</li> </ul>		
	Acute toxicity estimate: 125 mg/kg Method: Acute toxicity estimate according to Regulation (EC) No. 1272/2008		
Acute inhalation toxicity	<ul> <li>Acute toxicity estimate: 0,27 mg/l Test atmosphere: dust/mist Method: Acute toxicity estimate according to Regulation (EC) No. 1272/2008</li> </ul>		
	Acute toxicity estimate: 0,27 mg/l Test atmosphere: dust/mist Method: Acute toxicity estimate according to Regulation (EC) No. 1272/2008		
Acute dermal toxicity	<ul> <li>Acute toxicity estimate: 311 mg/kg Method: Acute toxicity estimate according to Regulation (EC) No. 1272/2008</li> </ul>		
	Acute toxicity estimate: 311 mg/kg		
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Method: Acute toxicity estimate according to Regulation (EC) No. 1272/2008

### 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.

#### Components:

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

Assessment

: May cause sensitisation by skin contact.

### 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

### **Components:**

<b>1,2-benzisothiazol-3(2H)-one (E</b> Toxicity to daphnia and other : aquatic invertebrates	BIT): EC50 (Daphnia (water flea)): 3 mg/l Exposure time: 48 h
2-octyl-2H-isothiazole-3-one (C	DIT):
M-Factor (Acute aquatic tox- : icity)	100
	100
M-Factor (Chronic aquatic : toxicity)	100
	100

### 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.



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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.
		Harmful 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 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	
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14.2 UN proper shipping name		
ΙΑΤΑ	:	Not regulated as a dangerous good
IMDG	:	Not regulated as a dangerous good
ADR	:	Not regulated as a dangerous good

Country GB 100000011407



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ADR	:	Not regulated as a dangerous good	
IMDG	:	Not regulated as a dangerous good	
ΙΑΤΑ	:	Not regulated as a dangerous good	
14.3 Transport hazard class(es)			
ADR	:	Not regulated as a dangerous good	
IMDG	:	Not regulated as a dangerous good	
ΙΑΤΑ	:	Not regulated as a dangerous good	
14.4 Packing group			
ADR	:	Not regulated as a dangerous good	
IMDG	:	Not regulated as a dangerous good	
IATA (Cargo)	:	Not regulated as a dangerous good	
IATA (Passenger)	:	Not regulated as a dangerous good	
<b>14.5 Environmental hazards</b> Not regulated as a dangerous good			
<b>14.6 Special precautions for use</b> Not applicable	r		
<b>14.7 Maritime transport in bulk a</b> Not applicable for product as a		•	

## **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 substances of very high concern (SVHC) for Authorisation	:	Not applicable
The Persistent Organic Pollutants Regulations (retained Regulation (EU) 2019/1021 as amended for Great Britain)	:	Not applicable
International Chemical Weapons Convention (CWC) Schedules of Toxic Chemicals and Precursors	:	Not applicable
Regulation (EC) No 1005/2009 on substances that de-	:	Not applicable



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plete the ozone layer				
UK REACH List of substances su (Annex XIV)	bject to authorisation : Not applicable			
GB Export and import of hazardous chemicals - Prior : Not applicable Informed Consent (PIC) Regulation				
Control of Major Accident Hazard 2015 (COMAH) Volatile organic compounds :	s Regulations Not applicable Law on the incentive tax for volatile organic con (VOCV) Volatile organic compounds (VOC) content: < 0 no VOC duties Directive 2010/75/EU of 24 November 2010 or emissions (integrated pollution prevention and Volatile organic compounds (VOC) content: 0,	o n industrial control)		

If other regulatory information applies that is not already provided elsewhere in the Safety Data Sheet, then it is described in this subsection.

### 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

H301 :	Toxic if swallowed.
H302 :	Harmful if swallowed.
H311 :	Toxic in contact with skin.
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.



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H411	: Toxic to aquatic life with long lasting effects.	

Full text of other abbreviations					
Acute Tox.	:	Acute toxicity			
Aquatic Acute	:	Short-term (acute) aquatic hazard			
Aquatic Chronic	:	Long-term (chronic) aquatic hazard			
Eye Dam.	:	Serious eye damage			
Skin Corr.	:	Skin corrosion			
Skin Irrit.	:	Skin irritation			
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			
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 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			
		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			
	•				

### **Further information**

Classification of the mixture:		Classification procedure:
Skin Sens. 1	H317	Calculation method
Aquatic Chronic 3	H412	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 !

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