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

### 1.1 Product identifier

Trade name : Sika® ViscoCrete® HE-200

### 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)

Serious eye damage, Category 1

H318: Causes serious eye damage.

Skin sensitisation, Category 1

H317: May cause an allergic skin reaction.

### 2.2 Label elements

### Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms	:		!
Signal word	:	Danger	
Hazard statements	:	H317 H318	May cause an allergic skin reaction. Causes serious eye damage.



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Precautionary statements :	P101	If medical advice is needed, hav container or label at hand.	e product
	P102	Keep out of reach of children.	
	Prevention:		
	P261 P280	Avoid breathing mist or vapours. Wear protective gloves/ eye prot protection.	
	Response:		
	P305 + P351 + F	P338 + P310 IF IN EYES: Rinse with water for several minutes. F tact lenses, if present and easy t tinue rinsing. Immediately call a CENTER/ doctor.	Remove con- to do. Con-
	Disposal:		
	P501	Dispose of contents/container in with local regulation.	accordance

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

sodium thiocyanate 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.

Contains a biocide in order to protect the product. Please use treated articles responsibly.



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# **SECTION 3: Composition/information on ingredients**

## 3.2 Mixtures

#### Components

Components Chemical name	CAS-No. EC-No. Registration number	Classification	Concentration (% w/w)
sodium nitrate	7631-99-4 231-554-3 01-2119488221-41- XXXX	Ox. Sol. 3; H272 Eye Irrit. 2; H319	>= 2,5 - < 5
sodium thiocyanate	540-72-7 208-754-4 01-2119543700-47- XXXX	Acute Tox. 4; H302 Acute Tox. 4; H332 Acute Tox. 4; H312 Eye Dam. 1; H318 Aquatic Chronic 3; H412 EUH032 specific concentration	>= 3 - < 5
		limit EUH032 > 30 %	
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
		specific concentration limit Skin Sens. 1; H317 >= 0,05 %	
		Acute toxicity esti- mate	
		Acute oral toxicity: 597 mg/kg Acute inhalation tox- icity (dust/mist): 0,4 mg/l	



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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; H410 EUH071	>= 0,0015 - < 0,0025
		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	
For explanation of abbreviations se		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 expos	sure.
In case of skin contact	:	Take off contaminated clothing and shoes Wash off with soap and plenty of water. If symptoms persist, call a physician.	immediately.
In case of eye contact	:	Small amounts splashed into eyes can can sue damage and blindness. In the case of contact with eyes, rinse imm of water and seek medical advice. Continue rinsing eyes during transport to h Remove contact lenses. Keep eye wide open while rinsing.	nediately with plenty
If swallowed	:	Do not induce vomiting without medical ac Rinse mouth with water. Do not give milk or alcoholic beverages. Never give anything by mouth to an uncor	
4.2 Most important symptom៖	and e	ffects, both acute and delayed	
Symptoms	:	Allergic reactions Excessive lachrymation See Section 11 for more detailed information and symptoms.	ion on health effects
Risks	:	irritant effects sensitising effects	
		May cause an allergic skin reaction. Causes serious eye damage.	
4.3 Indication of any immedia	te med		ded
<b>4.3 Indication of any immedia</b> Treatment	te med :	Causes serious eye damage.	ded
•	:	Causes serious eye damage. ical attention and special treatment nee Treat symptomatically.	ded
Treatment	:	Causes serious eye damage. ical attention and special treatment nee Treat symptomatically.	ded

# 5.2 Special hazards arising from the substance or mixture

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



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5.3 Advice for firefighters			
-	:	In the event of fire, wear self-contained brea	thing apparatus.
Further information	:	Standard procedure for chemical fires.	
SECTION 6: Accidental release	se	measures	
6.1 Personal precautions, protect	ctiv	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 se	ewer system.
6.3 Methods and material for co	nta	inment and cleaning up	
Methods for cleaning up	:	Soak up with inert absorbent material (e.g. s acid binder, universal binder, sawdust). Keep in suitable, closed containers for dispo	
6.4 Reference to other sections			
For personal protection see s	ecti	on 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.	
Hygiene measures	:	Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink. When using do not	
Country GB 00000602801		6/	



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	smoke. Wash hands before breaks and a	at the end of workday.
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. Containers which are opened mus sealed and kept upright to prevent leakag ance with local regulations.	t be carefully re-
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	Sheet prior to any

# SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

C	Components	CAS-No.	Value type (Form of exposure)	Control parame- ters *	Basis *
				1013	

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.



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Respiratory protection	: No special measures required.	
Environmental exposure con	trols	
General advice	: Do not flush into surface water or sar	nitary sewer system.
ECTION 9: Physical and cher	nical properties	
I Information on basic physical	and chemical properties	
Physical state Colour	: liquid : brown	
Odour	: 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	explosive limits	
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	: 7	
Viscosity		
Viscosity, kinematic	: > 7 mm2/s (40 °C)	
Solubility(ies)		
Water solubility	: soluble	



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Partition coefficient: n-	:	No data available	

Vapour pressure	:	23 hPa
Density	:	1,085 g/cm3 (20 °C)
Relative vapour density	:	No data available
Particle characteristics	:	No data available

# 9.2 Other information

octanol/water

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 inf	for	mation	
11.1 Information on hazard class	es	as defined in Regulation (EC) No 1272/2	008
Acute toxicity			
Not classified based on availab	ole	information.	
Components:			
sodium nitrate:			
Acute oral toxicity	:	LD50 Oral (Rat): 3.430 mg/kg	
1,2-benzisothiazol-3(2H)-one	e (E	IT):	
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	(0	IT):	
Acute oral toxicity	:	Acute toxicity estimate: 125 mg/kg Method: Acute toxicity estimate according No. 1272/2008	to Regulation (EC)
		Acute toxicity estimate: 125 mg/kg Method: Acute toxicity estimate according No. 1272/2008	to Regulation (EC)
Acute inhalation toxicity	:	Acute toxicity estimate: 0,27 mg/l Test atmosphere: dust/mist Method: Acute toxicity estimate according No. 1272/2008	to Regulation (EC)
		Acute toxicity estimate: 0,27 mg/l Test atmosphere: dust/mist Method: Acute toxicity estimate according No. 1272/2008	to Regulation (EC)

: Acute toxicity estimate: 311 mg/kg

Acute dermal toxicity



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Method: Acute toxicity estimate according to Regulation (EC) No. 1272/2008

Acute toxicity estimate: 311 mg/kg 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

Causes serious eye damage.

#### 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.

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### 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



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	levels of 0.1% or higher.	
SECTION 12: Ecological inform	ation	
12.1 Toxicity		
Components:		
1,2-benzisothiazol-3(2H)-one	(BIT):	
Toxicity to daphnia and other aquatic invertebrates	EC50 (Daphnia (water flea)): 3 mg/l Exposure time: 48 h	
2-octyl-2H-isothiazole-3-one (	OIT):	
M-Factor (Acute aquatic tox-	100	
	100	
M-Factor (Chronic aquatic	100	
	100	
<b>12.2 Persistence and degradability</b> No data available	/	
<b>12.3 Bioaccumulative potential</b> No data available		
<b>12.4 Mobility in soil</b> No data available		
12.5 Results of PBT and vPvB ass	essment	
Product:		
Assessment	<ul> <li>This substance/mixture contains no component to be either persistent, bioaccumulative and t very persistent and very bioaccumulative (vP 0.1% or higher</li> </ul>	oxic (PBT), or
12.6 Endocrine disrupting propert	ies	
Product:		
Assessment	The substance/mixture does not contain com	

levels of 0.1% or higher.

ered 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



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### 12.7 Other adverse effects

### Product:

Additional ecological infor- : There is no data available for this product. mation

### **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	<ul> <li>The generation of waste should be avoided or minimized wherever possible.</li> <li>Empty containers or liners may retain some product residues.</li> <li>This material and its container must be disposed of in a safe way.</li> <li>Dispose of surplus and non-recyclable products via a licensed</li> </ul>
	<ul> <li>waste disposal contractor.</li> <li>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.</li> <li>Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.</li> </ul>
European Waste Catalogue	: 16 10 02 aqueous liquid wastes other than those mentioned in 16 10 01

# **SECTION 14: Transport information**

### 14.1 UN number or ID number

ADR

: Not regulated as a dangerous good

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IMDG

ΙΑΤΑ

ADR

IMDG

ΙΑΤΑ

IMDG

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

# 14.5 Environmental hazards

Not regulated as a dangerous good

# 14.6 Special precautions for user

Not applicable

# 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 (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

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International Chemical Weapon Schedules of Toxic Chemicals		
Regulation (EC) No 1005/2009 plete the ozone layer	on substances that de- : Not applicable	
Regulation (EU) 2019/1148 on explosives precursors	the marketing and use of : sodium nitrate	
UK REACH List of substances s (Annex XIV)	subject to authorisation : Not applicable	
GB Export and import of hazard Informed Consent (PIC) Regula		
Control of Major Accident Haza 2015 (COMAH) Volatile organic compounds	rds Regulations Not applicable : Law on the incentive tax for volatile organic of (VOCV) Volatile organic compounds (VOC) content: no VOC duties Directive 2010/75/EU of 24 November 2010 emissions (integrated pollution prevention ar Volatile organic compounds (VOC) content:	< 0% w/w on industrial nd control)
If other regulatory information a Sheet, then it is described in thi	pplies that is not already provided elsewhere in s subsection.	the Safety Data
Health, safety and environ- mental regulation/legislation specific for the substance or mixture:	<ul> <li>Environmental Protection Act 1990 &amp; Subsid Health and Safety at Work Act 1974 &amp; Subsi Control of Substances Hazardous to Health (COSHH)</li> <li>May be subject to the Control of Major Accid Regulations (COMAH), and amendments.</li> </ul>	idiary Regulations 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

H272	:	May intensify fire; oxidizer.
H301	:	Toxic if swallowed.

Country GB 00000602801



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H302	: Harmful if swallowed.	
H311	: Toxic in contact with skin.	
H312	: Harmful in contact with skin.	
H312	Causes severe skin burns and eye damage.	
H315	Causes severe skin burns and eye damage.	
H317	May cause an allergic skin reaction.	
H318	Causes serious eye damage.	
H319	Causes serious eye irritation.	
H330	Fatal if inhaled.	
H332	: Harmful 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.	
H412	Harmful to aquatic life with long lasting effects.	
Full text of other abbreviation		
Acute Tox.	: Acute toxicity	
Aquatic Acute	: Short-term (acute) aquatic hazard	
Aquatic Chronic	: Long-term (chronic) aquatic hazard	
Eye Dam.	Serious eye damage	
Eye Irrit.	Eye irritation	
Ox. Sol.	Oxidizing solids	
Skin Corr.	Skin corrosion	
Skin Irrit.	Skin irritation	
Skin Sens.	Skin sensitisation	
ADR	European Agreement concerning the Internationa	al Carriage of
040	Dangerous Goods by Road	
CAS	Chemical Abstracts Service	
DNEL EC50	: Derived no-effect level	
GHS	: Half maximal effective concentration	
IATA	: Globally Harmonized System : International Air Transport Association	
IMDG	: International Maritime Code for Dangerous Good	
LD50	: Median lethal dosis (the amount of a material, giv	
ED30	once, which causes the death of 50% (one half)	
	test animals)	
LC50	: Median lethal concentration (concentrations of th	e chemical in
2000	air that kills 50% of the test animals during the ob	
	period)	
MARPOL	: International Convention for the Prevention of Po	llution 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 I	Parliament
	and of the Council of 18 December 2006 concern	
	istration, Evaluation, Authorisation and Restrictio	
	cals (REACH), establishing a European Chemica	Is Agency
SVHC	: Substances of Very High Concern	
vPvB	: Very persistent and very bioaccumulative	

H318

H317



# Sika<sup>®</sup> ViscoCrete<sup>®</sup> HE-200

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Further information		
Classification of the mixture:	Classificatio	n procedure:

Eye Dam. 1 Skin Sens. 1 Calculation method 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