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

1.1 Product identifier

Trade name : Sika ViscoFlow[®]-1000

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

Product use : Concrete and mortar admixture

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: Ma

H317: May cause an allergic skin reaction.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms	:		
Signal word	:	Warning	
Hazard statements	:	H317	May cause an allergic skin reaction.
Precautionary statements	:	Prevention P261 P272	: Avoid breathing mist or vapours. Contaminated work clothing should not be



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	P280	allowed out of the workplace. 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 with local regulation.	accordance

Hazardous components which must be listed on the label:

triisobutyl phosphate 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.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Components

Chemical name	CAS-No. EC-No.	Classification	Concentration (% w/w)
	Registration number		. ,
triisobutyl phosphate	126-71-6	Skin Sens. 1B; H317	>= 0,1 - < 0,5
	204-798-3		
	01-2119957118-32-		
	XXXX		

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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. 1A; H317 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	>= 0,0025 - < 0,025
		M-Factor (Acute aquatic toxicity): 1 M-Factor (Chronic aquatic toxicity): 1	
		specific concentration limit Skin Sens. 1A; H317 >= 0,036 %	
		Acute toxicity esti- mate	
		Acute oral toxicity: 450 mg/kg Acute inhalation tox- icity (dust/mist): 0,21 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 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 Acute inhalation tox- icity (dust/mist): 0,27 mg/l 0,27 mg/l Acute dermal toxicity: 311 mg/kg 311 mg/kg	>= 0,0015 - < 0,0025

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 exposure) .
In case of skin contact	:	Take off contaminated clothing and shoes im Wash off with soap and plenty of water. If symptoms persist, call a physician.	mediately.
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 advic Rinse mouth with water. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconsc	
4.2 Most important symptoms a	nd	effects, both acute and delayed	
Symptoms	:	Allergic reactions See Section 11 for more detailed information and symptoms.	on health effects
Risks	:	sensitising effects	
		May cause an allergic skin reaction.	
4.3 Indication of any immediate	me	dical attention and special treatment neede	d
Treatment	:	Treat symptomatically.	
SECTION 5: Firefighting mean	su	res	
5.1 Extinguishing media			
Suitable extinguishing media	:	In case of fire, use water/water spray/water je ide/sand/foam/alcohol resistant foam/chemic extinction.	
5.2 Special hazards arising from	th	e substance or mixture	
Hazardous combustion prod- ucts	:	No hazardous combustion products are know	'n
5.3 Advice for firefighters			
Special protective equipment for firefighters	:	In the event of fire, wear self-contained breat	hing apparatus.
Further information	:	Standard procedure for chemical fires.	



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SECTION 6: Accidental rele	ease measures	
6.1 Personal precautions, pro	tective equipment and emergency procedure	s
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.
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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	:	 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.
Hygiene measures	:	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, in		
Dequirements for storage		Keep container tightly closed in a dry and wall ventilated



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		ance with local regulations.	
Further information on stor- age stability	:	No decomposition if stored and applied as directed	ed.
7.3 Specific end use(s) Specific use(s)	:	Consult most current local Product Data Sheet p use.	rior 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 *
Containe no substances with accurational exposure limit values				

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.
		1.

Environmental exposure controls



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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

i mormation on basic physical	an	a chemical propertie
Physical state Colour	:	liquid clear
Odour	:	characteristic
Melting point/ range / Freez- ing point	:	No data available
Boiling point/boiling range	:	No data available
Flammability (solid, gas)	:	No data available
Upper/lower flammability or o	ovr	losivo limite
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
Viscosity Viscosity, kinematic	:	> 7 mm2/s (40 °C)
Solubility(ies) Water solubility	:	soluble
Partition coefficient: n- octanol/water	:	No data available



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Vapour pressure	: 23 hPa	
Density	: 1,075 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			

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.

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

: Acute toxicity estimate: 450 mg/kg Method: Acute toxicity estimate according to Regulation (EC)



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	No. 1272/2008	
	LD50 Oral (Rat): 450 mg/kg	
Acute inhalation toxicity :	Acute toxicity estimate: 0,21 mg/l Test atmosphere: dust/mist Method: Acute toxicity estimate according to R No. 1272/2008	egulation (EC)
	LC50: 0,21 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: OECD Test Guideline 403	
Acute dermal toxicity :	LD50 Dermal (Rabbit): > 2.000 mg/kg	
2-octyl-2H-isothiazole-3-one (DIT):	
Acute oral toxicity :	Acute toxicity estimate: 125 mg/kg Method: Acute toxicity estimate according to R No. 1272/2008	egulation (EC)
	Acute toxicity estimate: 125 mg/kg Method: Acute toxicity estimate according to R No. 1272/2008	egulation (EC)
Acute inhalation toxicity :	Acute toxicity estimate: 0,27 mg/l Test atmosphere: dust/mist Method: Acute toxicity estimate according to R No. 1272/2008	egulation (EC)
	Acute toxicity estimate: 0,27 mg/l Test atmosphere: dust/mist Method: Acute toxicity estimate according to R No. 1272/2008	egulation (EC)
Acute dermal toxicity :	Acute toxicity estimate: 311 mg/kg Method: Acute toxicity estimate according to R No. 1272/2008	egulation (EC)
	Acute toxicity estimate: 311 mg/kg Method: Acute toxicity estimate according to R No. 1272/2008	egulation (EC)

Skin corrosion/irritation

Not classified based on available information.

Serious eye damage/eye irritation

Not classified based on available information.



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Respiratory or skin sensitis	ation		
Skin sensitisation			
May cause an allergic skin re	action.		
Respiratory sensitisation			
Not classified based on availa	ble inforr	mation.	
Components:			
1,2-benzisothiazol-3(2H)-on	e (BIT):		
Assessment	: May	cause sensitisation by skin contact.	
Germ cell mutagenicity			
Not classified based on availa	ble inforr	mation.	
Carcinogenicity			
Not classified based on availa	ble inforr	mation.	
Reproductive toxicity			
Not classified based on availa	ble inforr	mation.	
STOT - single exposure			
Not classified based on availa	ble inforr	mation.	
STOT - repeated exposure			
Not classified based on availa	ble inforr	mation.	
Aspiration toxicity			
Not classified based on availa		mation.	
2 Information on other hazar	ls		
Endocrine disrupting prope	rties		
Product:			
Assessment	ered REA (EU)	e substance/mixture does not contain con d to have endocrine disrupting properties ACH Article 57(f) or Commission Delegat) 2017/2100 or Commission Regulation (els of 0.1% or higher.	according to ed regulation

SECTION 12: Ecological information

12.1 Toxicity

Components:

triisobutyl phosphate:

Toxicity to daphnia and other	:	LC50 (Daphnia magna (Water flea)): 11 mg/l
aquatic invertebrates		Exposure time: 48 h



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Toxicity to algae/aquatic plants	:	IC50 (Desmodesmus subspicatus (green alg Exposure time: 72 h	ae)): 34,1 mg/l
1,2-benzisothiazol-3(2H)-one	e (E	IT):	
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia (water flea)): 3 mg/l Exposure time: 48 h	
M-Factor (Acute aquatic tox- icity)	:	1	
M-Factor (Chronic aquatic toxicity)	:	1	
2-octyl-2H-isothiazole-3-one	(0	IT):	
M-Factor (Acute aquatic tox- icity)	:	100	
		100	
M-Factor (Chronic aquatic toxicity)	:	100	
		100	
I2.2 Persistence and degradabili No data available	ty		
12.3 Bioaccumulative potential No data available			
12.4 Mobility in soil No data available			
12.5 Results of PBT and vPvB as	se	ssment	
Product:			
Assessment	:	This substance/mixture contains no component to be either persistent, bioaccumulative and very persistent and very bioaccumulative (vF 0.1% or higher	toxic (PBT), or
12.6 Endocrine disrupting prope	tie	s	
Product:			
Assessment	:	The substance/mixture does not contain comered to have endocrine disrupting properties REACH Article 57(f) or Commission Delegat (EU) 2017/2100 or Commission Regulation (according to ed regulation
Country GB 00000609412		(EU) 2017/2100 or Commission Regulation (EU) 2018/605 at



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levels of 0.1% or higher.

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

:	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

0		40/47
ΙΑΤΑ	: Not regulated as a dangerous good	
IMDG	: Not regulated as a dangerous good	
ADR	: Not regulated as a dangerous good	



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14.2 UN proper shipping name			
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	
14.5 Environmental hazards Not regulated as a dangerous	s go	od	
14.6 Special precautions for use Not applicable	ər		
14.7 Maritime transport in bulk a Not applicable for product as		•	

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



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Regulation (EU) No 2024/590 on plete the ozone layer	substances that de- : Not applicable	
UK REACH List of substances su (Annex XIV)	ubject to authorisation : Not applicable	
GB Export and import of hazardo Informed Consent (PIC) Regulati		
Control of Major Accident Hazard 2015 (COMAH) Volatile organic compounds :	Is Regulations Not applicable Law on the incentive tax for volatile organic com (VOCV) Volatile organic compounds (VOC) content: < 0 no VOC duties Directive 2010/75/EU of 24 November 2010 on livestock rearing emissions (integrated pollution and control) Volatile organic compounds (VOC) content: 0,1	w/w industrial and prevention
If other regulatory information ap Sheet, then it is described in this	plies that is not already provided elsewhere in the subsection.	Safety Data
Health, safety and environ- : mental regulation/legislation specific for the substance or	Environmental Protection Act 1990 & Subsidiary Health and Safety at Work Act 1974 & Subsidia Control of Substances Hazardous to Health Reg	ry Regulations

(COSHH) May be subject to the Control of Major Accident Hazards Regulations (COMAH), and amendments.

15.2 Chemical safety assessment

mixture:

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.



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H400 :	Very toxic to aquatic life.	
	Very toxic to aquatic life with long lasting effects	
Full text of other abbreviations	5	
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 Internation	al 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 Good	
LD50 :	Median lethal dosis (the amount of a material, gi	
	once, which causes the death of 50% (one half)	of a group of
	test animals)	
LC50 :	Median lethal concentration (concentrations of the	
	air that kills 50% of the test animals during the o	bservation
	period)	
MARPOL :	International Convention for the Prevention of Po	
	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	
	and of the Council of 18 December 2006 concer	
	istration, Evaluation, Authorisation and Restriction	
	cals (REACH), establishing a European Chemic	als Agency
SVHC :	Substances of Very High Concern	
vPvB :	Very persistent and very bioaccumulative	
Further information		
	.	
Classification of the mixture:	Classification proced	ure:

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 !

H317

Skin Sens. 1

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

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