

Date of last issue: 25.01.2024	Version 5.0	Print Date 14.10.2024
Revision Date: 14.10.2024		

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

1.1 Product identifier

Trade name : Sika[®] Hybriflex[®] FR

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

Product use : Sealant/adhesive

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		0

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-	H412: Harmful to aquatic life with long lasting ef-
egory 3	fects.

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 effects.
Precautionary statements	:	Prevention: P261	: Avoid breathing mist or vapours.



Date of last issue: 25.01.2024 Revision Date: 14.10.2024	Version 5.0		Print Date 14.10.2024
	P273 P280	Avoid release to the environmen Wear protective gloves.	t.
	Response:		
	P333 + P313	If skin irritation or rash occurs: G advice/ attention.	et medical
	P362 + P364	Take off contaminated clothing a before reuse.	nd wash it
	Disposal:		
	P501	Dispose of contents/container in with local regulation.	accordance

Hazardous components which must be listed on the label:

trimethoxyvinylsilane Pentamethyl piperidylsebacate N-(3-(trimethoxysilyl)propyl)ethylenediamine

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.

Date of last issue: 25.01.2024
Revision Date: 14.10.2024

Version 5.0

Print Date 14.10.2024

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Components

Chemical name	CAS-No. EC-No. Registration number	Classification	Concentration (% w/w)
trimethoxyvinylsilane Contains: tetramethyl orthosilicate <= 0,2 %	2768-02-7 220-449-8 01-2119513215-52- XXXX	Flam. Liq. 3; H226 Acute Tox. 4; H332 Skin Sens. 1B; H317 Acute toxicity esti- mate Acute inhalation tox- icity (vapour): 16,8 mg/l	>= 2,5 - < 5
Pentamethyl piperidylsebacate Contains: bis(1,2,2,6,6-pentamethyl-4- piperidyl) sebacate methyl 1,2,2,6,6-pentamethyl-4- piperidyl sebacate	1065336-91-5 915-687-0 01-2119491304-40- XXXX	Skin Sens. 1A; H317 Repr. 2; H361f Aquatic Acute 1; H400 Aquatic Chronic 1; H410 M-Factor (Acute aquatic toxicity): 1 M-Factor (Chronic aquatic toxicity): 1	>= 1 - < 2,5
N-(3- (trimethoxysi- lyl)propyl)ethylenediamine Contains: N,N'-bis[3- (trimethoxysi- lyl)propyl]ethylenediamine <= 3 % 1-(2-Aminoethyl)-2,2-dimethoxy-1- aza-2-silacyclopentane <= 3 %	1760-24-3 217-164-6 01-2119970215-39- XXXX	Eye Dam. 1; H318 Skin Sens. 1B; H317 STOT SE 3; H335 (Respiratory system)	>= 0,5 - < 1





Date of last issue: 25.01.2024 Revision Date: 14.10.2024	Version 5.0		Print Date 14.10.2024
methanol	67-56-1 200-659-6 01-2119433307-44- XXXX	Flam. Liq. 2; H225 Acute Tox. 3; H301 Acute Tox. 3; H331 Acute Tox. 3; H311 STOT SE 1; H370 \longrightarrow specific concentration limit STOT SE 1; H370 >= 10 % specific concentration limit STOT SE 2; H371 3 - < 10 %	>= 0,1 - < 0,5
For explanation of abbreviations	see section 16		

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. 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 a	nd e	effects, both acute and delayed
Symptoms	:	Allergic reactions See Section 11 for more detailed information on health effects and symptoms.
Risks	:	sensitising effects
Country GB 100000011704		4



Date of last issue: 25.01.2024 Revision Date: 14.10.2024	Version 5.0	Print Date 14.10.202
	May cause an allergic skin reaction.	
4.3 Indication of any immediate r	nedical attention and special treatment ne	eeded
Treatment	: Treat symptomatically.	
SECTION 5: Firefighting meas	ures	_
5.1 Extinguishing media		
Suitable extinguishing media	: In case of fire, use water/water spray/wa ide/sand/foam/alcohol resistant foam/ch extinction.	
5.2 Special hazards arising from	the substance or mixture	
Hazardous combustion prod- ucts	: No hazardous combustion products are	known
5.3 Advice for firefighters		
Special protective equipment for firefighters	: In the event of fire, wear self-contained I	breathing apparatus.
Further information	: Standard procedure for chemical fires.	
SECTION 6: Accidental releas	e measures	
6.1 Personal precautions, protec	ive equipment and emergency procedure	es
Personal precautions	: Use personal protective equipment. Deny access to unprotected persons.	
6.2 Environmental precautions		
Environmental precautions	: Do not flush into surface water or sanita If the product contaminates rivers and la respective authorities.	
6.3 Methods and material for con	tainment and cleaning up	
Methods for cleaning up	: Soak up with inert absorbent material (e acid binder, universal binder, sawdust).	

Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For personal protection see section 8.



Date of last issue: 25.01.2024 Revision Date: 14.10.2024 Version 5.0

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 Normal measures for preventive fire protection. : fire and explosion 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, including any incompatibilities Requirements for storage : Keep container tightly closed in a dry and well-ventilated areas and containers place. Store in accordance with local regulations. Further information on stor-No decomposition if stored and applied as directed. age stability 7.3 Specific end use(s) Specific use(s) Consult most current local Product Data Sheet prior to any use.

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 *
methanol	67-56-1	TWA	200 ppm 260 mg/m3	2006/15/EC
	Further information: Indicative, Identifies the possibility of signifi- cant uptake through the skin			
		TŴA	200 ppm 266 mg/m3	GB EH40
	Further information: Can be absorbed through the skin. The as- signed substances are those for which there are concerns that			



Date of last issue: 25.01.2024 Revision Date: 14.10.2024 Version 5.0

Print Date 14.10.2024

STEL 250 ppm GB EH4	
333 mg/m3)

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

Occupational exposure limits of decomposition products

Components	CAS-No.	Value type (Form of exposure)	Control parame- ters *	Basis *
methanol	67-56-1	TWA	200 ppm 260 mg/m3	2006/15/EC
		ation: Indicative, Ide rough the skin	entifies the possibi	ility of signifi-
		TWA	200 ppm 266 mg/m3	GB EH40
	signed substa	ation: Can be absor nces are those for v tion will lead to syst	which there are co	
		STEL	250 ppm 333 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.

Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

Substance name	End Use	Exposure routes	Potential health effects	Value
methanol	Workers	Skin contact		40 mg/m3
	Exposure time: 8 h	า		
	Consumers	Skin contact		260 mg/m3
	Exposure time: 8 I	า		

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



Date of last issue: 25.01.2024 Revision Date: 14.10.2024	Version 5.0	Print Date 14.10.2024
Respiratory protection :	and protective boots are additionaly recommen and stirring work. In case of inadequate ventilation wear respirator Respirator selection must be based on known of exposure levels, the hazards of the product and ing limits of the selected respirator. organic vapor filter (Type A) A1: < 1000 ppm; A2: < 5000 ppm; A3: < 10000 Ensure adequate ventilation. This can be achie exhaust extraction or by general ventilation. (Ef ods for determining inhalation exposure). This a ticular to the mixing / stirring area. In case this i to keep the concentrations under the occupatio limits then respiration protection measures must	ory protection. or anticipated d the safe work- ppm ved by local N 689 - Meth- applies in par- is not sufficent nal exposure
Environmental exposure contr	ols	
General advice :	Do not flush into surface water or sanitary sewe If the product contaminates rivers and lakes or respective authorities.	-

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state Appearance Colour Odour	:	liquid paste grey slight
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	exp	losive limits
Upper explosion limit / Up- per flammability limit	:	No data available
Lower explosion limit / Lower flammability limit	:	No data available
Flash point	:	> 61 °C Method: closed cup
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available



Date of last issue: 25.01.2024 Revision Date: 14.10.2024		Version 5.0	Print Date 14.10.2024
рН	:	Not applicable substance/mixture is non-soluble (in water)	
Viscosity			
Viscosity, dynamic	:	250.000 - 400.000 mPa.s	
Viscosity, kinematic	:	> 30 mm2/s (40 °C)	
Solubility(ies)			
Water solubility	:	insoluble	
Partition coefficient: n- octanol/water	:	No data available	
Vapour pressure	:	0,01 hPa	
Density	:	ca. 1,41 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 re Hazardous reactions	eactio	
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

Hazardous decomposition : methanol products



Date of last issue: 25.01.2024 Revision Date: 14.10.2024		Version 5.0	Print Date 14.10.2024
SECTION 11: Toxicological	infor	nation	
11.1 Information on hazard cla	ISSES	as defined in Regulation (EC) No 1272/20	08
Acute toxicity Not classified due to lack of	⁻ data.		
Components:			
trimethoxyvinylsilane: Acute oral toxicity	:	LD50 Oral (Rat): ca. 7.120 mg/kg	
Acute inhalation toxicity	:	LC50: ca. 16,8 mg/l Exposure time: 4 h Test atmosphere: vapour	
		Acute toxicity estimate: 16,8 mg/l Test atmosphere: vapour Method: Calculation method	
Acute dermal toxicity	:	LD50: 3.540 mg/kg	

Pentamethyl piperidylsebacate:

Acute oral toxicity	:	LD50 Oral (Rat): 3.230	mg/kg
			(

N-(3-(trimethoxysilyl)propyl)ethylenediamine:

Acute oral toxicity : LD50 Oral (Rat): 2.995 mg/kg

Skin corrosion/irritation

Not classified due to lack of data.

Serious eye damage/eye irritation Not classified due to lack of data.

Respiratory or skin sensitisation

Skin sensitisation

May cause an allergic skin reaction.

Respiratory sensitisation

Not classified due to lack of data.

Germ cell mutagenicity

Not classified due to lack of data.

Carcinogenicity

Not classified due to lack of data.



Date of last issue: 25.01.2024 Revision Date: 14.10.2024	Version 5.0	Print Date 14.10.2024
Reproductive toxicity Not classified due to lack of data.		
STOT - single exposure Not classified due to lack of data.		
STOT - repeated exposure Not classified due to lack of data.		
Aspiration toxicity Not classified due to lack of data.		
11.2 Information on other hazards		
Endocrine disrupting propertie	S	
Product:		
Assessment :	The substance/mixture does not contain of ered to have endocrine disrupting propert REACH Article 57(f) or Commission Deleg (EU) 2017/2100 or Commission Regulation levels of 0.1% or higher.	ies according to gated regulation

SECTION 12: Ecological information

12.1 Toxicity

Components:

Pentamethyl piperidylsebacate: Toxicity to fish : LC50 (Fish): 0,97 mg/l Exposure time: 96 h

M-Factor (Acute aquatic tox- : 1 icity) M-Factor (Chronic aquatic : 1

toxicity)

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:



Date of last issue: 25.01.2024 Revision Date: 14.10.2024		Version 5.0	Print Date 14.10.2024
Assessment	to be eithe	tance/mixture contains no c er persistent, bioaccumulati stent and very bioaccumula igher	ve and toxic (PBT), or
12.6 Endocrine disrupting prop	rties		
Product:			
Assessment	ered to ha REACH A (EU) 2017	ance/mixture does not cont ave endocrine disrupting pro article 57(f) or Commission 1 7/2100 or Commission Reg 0.1% or higher.	operties according to Delegated regulation
12.7 Other adverse effects			
Product:			
Additional ecological infor- mation	unprofess	nmental hazard cannot be ional handling or disposal. o aquatic life with long lastir	

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	:	Not regulated as a dangerous good
IMDG	:	Not regulated as a dangerous good
ΙΑΤΑ	:	Not regulated as a dangerous good



Date of last issue: 25.01.2024 Revision Date: 14.10.2024		Version 5.0	Print Date 14.10.2024
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 g	go	bd	
14.6 Special precautions for user Not applicable			
14 7 Maritime transport in bulk ac	· r r	ording to IMO instruments	

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)	:	Conditions of restriction for the fol- lowing entries should be considered: Number on list 20: dioctyltin oxide
		Number on list 52: 1,2- Benzenedicarboxylic acid, di-C9-11- branched alkyl esters, C10-rich
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 Brit- ain)	:	Not applicable



Date of last issue: 25.01.2024 Revision Date: 14.10.2024	Version 5.0	Print Date 14.10.2024		
International Chemical Weapons Schedules of Toxic Chemicals ar	()	Not applicable		
Regulation (EC) on substances t layer	hat deplete the ozone : N	Not applicable		
UK REACH List of substances so (Annex XIV)	ubject to authorisation : N	Not applicable		
GB Export and import of hazardous chemicals - Prior : Not applicable Informed Consent (PIC) Regulation				
Control of Major Accident Hazards Regulations Not applicable 2015 (COMAH)				
Volatile organic compounds :	Law on the incentive tax for v (VOCV) Volatile organic compounds on vOC duties			
	Directive 2010/75/EU of 24 N emissions (integrated pollution Volatile organic compounds (on prevention 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-	 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)
	May be subject to the Control of Major Accident Hazards Regulations (COMAH), and amendments.

Other regulations:

Take note of The Management of Health and Safety at Work Regulations 1999 (requirements relating to new and expectant mothers at work contained in Regulation 16 to 18) and of the Pregnant Workers Directive 92/85/EEC.

Take note of The Management of Health and Safety at Work Regulations 1999 (requirements relating to protection of young people at work contained in Regulation 19) and of Directive 94/33/EC on the protection of young people at work.

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
------	------	----	---------------------

H225

: Highly flammable liquid and vapour.



Date of last issue: 25.01.2024 Revision Date: 14.10.2024	Version 5.0	Print Date 14.10.2024
H226 :	Flammable liquid and vapour.	
H301 :	Toxic if swallowed.	
H311 :	Toxic in contact with skin.	
H317 :	May cause an allergic skin reaction.	
H318 :	Causes serious eye damage.	
H331 :	Toxic if inhaled.	
H332 :	Harmful if inhaled.	
H335 :	May cause respiratory irritation.	
H361f :	Suspected of damaging fertility.	
H370 :	Causes damage to organs.	
H400 :	Very toxic to aquatic life.	
H410 :	Very toxic to aquatic life with long lasting effects.	
Full text of other abbreviations	6	
Acute Tox. :	Acute toxicity	
Aquatic Acute :	Short-term (acute) aquatic hazard	
Aquatic Chronic :	Long-term (chronic) aquatic hazard	
Eye Dam.	Serious eye damage	
Flam. Liq.	Flammable liquids	
Repr. :	Reproductive toxicity	
Skin Sens.	Skin sensitisation	
STOT SE :	Specific target organ toxicity - single exposure	
2006/15/EC :	Europe. Indicative occupational exposure limit va	
GB EH40 :	UK. EH40 WEL - Workplace Exposure Limits	ides
2006/15/EC / TWA :	Limit Value - eight hours	
GB EH40 / TWA	Long-term exposure limit (8-hour TWA reference	pariod)
GB EH40 / STEL :	Short-term exposure limit (15-minute reference p	
ADR :		
ADR .	European Agreement concerning the Internation Dangerous Goods by Road	al Carriage of
CAS :	Chemical Abstracts Service	
DNEL :	Derived no-effect level	
EC50	Half maximal effective concentration	
GHS :	Globally Harmonized System	
IATA :	International Air Transport Association	1-
IMDG :	International Maritime Code for Dangerous Good	
LD50 :	Median lethal dosis (the amount of a material, give	
	once, which causes the death of 50% (one half)	of a group of
1.050	test animals)	
LC50 :	Median lethal concentration (concentrations of th	
	air that kills 50% of the test animals during the ol	oservation
	period)	
MARPOL :	International Convention for the Prevention of Po	ollution 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	
	and of the Council of 18 December 2006 concern	
	istration, Evaluation, Authorisation and Restrictio	
	cals (REACH), establishing a European Chemica	als Agency
SVHC :	Substances of Very High Concern	
vPvB :	Very persistent and very bioaccumulative	
Country GB 100000011704		15 / 16



Date of last issue: 25.01.2024	Version 5.0	Print Date 14.10.2024
Revision Date: 14.10.2024		

Further information

Classification of the mix	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 !

GB / EN