

Date of last issue: 16.06.2023	Version 10.2	Print Date 10.10.2024
Revision Date: 25.01.2024		

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

1.1 Product identifier

Trade name : Sika[®] Hybriflex[®] SMP

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

Product use : Sealant/adhesive, For professional users only.

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)

Hazaro 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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Date of last issue: 16.06.2023 Revision Date: 25.01.2024	Version 10.2	Print Date 10.10.2024

Prevention:	
P261 P273 P280	Avoid breathing mist or vapours. Avoid release to the environment. Wear protective gloves.
Response:	
P333 + P313	If skin irritation or rash occurs: Get medical advice/ attention.
P362 + P364	Take off contaminated clothing and wash it before reuse.
Disposal:	
P501	Dispose of contents/container in accordance with local regulation.
	P261 P273 P280 Response: P333 + P313 P362 + P364 Disposal:

Hazardous components which must be listed on the label:

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

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.



Date of last issue: 16.06.2023 Revision Date: 25.01.2024 Version 10.2

Print Date 10.10.2024

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Components

Chemical name	CAS-No. EC-No. Registration number	Classification Concentrat (% 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 ————————————————————————————————————	>= 1 - < 2,5
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	>= 0,25 - < 1
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)	< 1
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 	< 1



Date of last issue: 16.06.2023 Revision Date: 25.01.2024	Version 10.2	Print Date 10.10.2024		
Substances with a workplace ex	•	4 95		
Titanium dioxide (> 10 μm)	13463-67-7 236-675-5 01-2119489379-17- XXXX	>= 1 - < 2,5		

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 5 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.



Date of last issue: 16.06.2023 Revision Date: 25.01.2024		Version 10.2	Print Date 10.10.202
SECTION 5: Firefighting meas	sur	es	
5.1 Extinguishing media			
Suitable extinguishing media	:	In case of fire, use water/water spray/water jet/ ide/sand/foam/alcohol resistant foam/chemical 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 breathin	ng apparatus.
Further information	:	Standard procedure for chemical fires.	
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	
		respective authorities.	drains inform
6.3 Methods and material for cor	ıtai		drains inform
6.3 Methods and material for cor Methods for cleaning up	ntai :		d, silica gel,
Methods for cleaning up	ntai :	nment and cleaning up Soak up with inert absorbent material (e.g. san acid binder, universal binder, sawdust).	d, silica gel,
Methods for cleaning up	:	nment and cleaning up Soak up with inert absorbent material (e.g. san acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal	d, silica gel,
Methods for cleaning up 6.4 Reference to other sections For personal protection see se	: ectio	nment and cleaning up Soak up with inert absorbent material (e.g. san acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal on 8.	d, silica gel,
6.4 Reference to other sections	: ectio	nment and cleaning up Soak up with inert absorbent material (e.g. san acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal on 8.	d, silica gel,

Do not get in eyes, on skin, or on clothing. For personal protection see section 8.



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Date of last issue: 16.06.2023 Revision Date: 25.01.2024		Version 10.2	Print Date 10.10.2024
		Persons with a history of skin sensitisation prot ma, allergies, chronic or recurrent respiratory d not be employed in any process in which this m used. Smoking, eating and drinking should be prohibi- plication area. Follow standard hygiene measures when hand products	isease should nixture is being ited in the ap-
Advice on protection against fire and explosion	:	Normal measures for preventive fire protection.	
Hygiene measures	:	Handle in accordance with good industrial hygin practice. When using do not eat or drink. When smoke. Wash hands before breaks and at the e	n using do not
7.2 Conditions for safe storage, ir	ncl	uding any incompatibilities	
Requirements for storage areas and containers	:	Keep container tightly closed in a dry and well- place. Store in accordance with local regulation	
Further information on stor- age stability	:	No decomposition if stored and applied as direct	cted.
7.3 Specific end use(s)			
Specific use(s)	:	Consult most current local Product Data Sheet use.	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
methanol	67-56-1	TWA	200 ppm 260 mg/m3	2006/15/EC
		nation: Indicative, Ide nrough the skin	entifies the possib	ility of signifi-
		TWA	200 ppm 266 mg/m3	GB EH40
		nation: Can be abso		
		ances are those for v ption will lead to sys		ncerns that
		STEL	250 ppm	GB EH40



Date of last issue: 16.06.2023
Revision Date: 25.01.2024

Version 10.2

Print Date 10.10.2024

*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	
	Further inform	Further information: Indicative, Identifies the possibility of signifi-			
	cant uptake th	cant uptake through the skin			
		TWA	200 ppm 266 mg/m3	GB EH40	
	Further inform	Further information: Can be absorbed through the skin. The as-			
	signed substa	signed substances are those for which there are concerns			
	dermal absorp	dermal absorption will lead to systemic toxicity.			
		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 I	า		
	Consumers	Skin contact		260 mg/m3
	Exposure time: 8 h			

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



Date of last issue: 16.06.2023 Revision Date: 25.01.2024	Version 10.2	Print Date 10.10.2024
	and stirring work.	
Respiratory protection	 In case of inadequate ventilation wear in Respirator selection must be based on l exposure levels, the hazards of the proo- ing limits of the selected respirator. organic vapor filter (Type A) A1: < 1000 ppm; A2: < 5000 ppm; A3: < Ensure adequate ventilation. This can b exhaust extraction or by general ventilation ods for determining inhalation exposure ticular to the mixing / stirring area. In can to keep the concentrations under the occ limits then respiration protection measure 	known or anticipated duct and the safe work- < 10000 ppm be achieved by local tion. (EN 689 - Meth- e). This applies in par- se this is not sufficent ccupational exposure
Environmental exposure co	ontrols	
General advice	: Do not flush into surface water or sanita If the product contaminates rivers and la respective authorities.	

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

•	internation on sacre phycical	an	a ononnoai propor
	Physical state Appearance Colour	:	liquid paste white
	Odour	:	sweet
	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	exp	losive limits
	Upper explosion limit / Upper flammability limit	:	No data available
	Lower explosion limit / Lower flammability limit	:	No data available
	Flash point	:	Not applicable

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



Sika® Hybriflex® SMP

Date of last issue: 16.06.2023 Revision Date: 25.01.2024	Version 10.2	Print Date 10.10.2024
Auto-ignition temperature	: No data available	
Decomposition temperature	: No data available	
рН	: Not applicable	
Viscosity Viscosity, kinematic	: > 20,5 mm2/s (40 °C)	
Solubility(ies) Water solubility	: insoluble	
Partition coefficient: n- octanol/water	: No data available	
Vapour pressure	: 0,01 hPa	
Density	: ca. 1,4 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.

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



Sika® Hybriflex® SMP

Date of last issue: 16.06.2023 Revision Date: 25.01.2024	Version 10.2	Print Date 10.10.2024
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 pro	oducts	
Hazardous decomposition products	: methanol	

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:

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 piperidylsebad	cate	:		
Acute oral toxicity	:	LD50 Oral (Rat): 3.230 mg/kg		
N-(3-(trimethoxysilyl)propyl)eth	ylenediamine:		
Acute oral toxicity	:	LD50 Oral (Rat): 2.995 mg/kg		
Skin corrosion/irritation				
Not classified based on availa	able	information.		

Serious eye damage/eye irritation

Not classified based on available information.

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



Sika® Hybriflex® SMP

Date of last issue: 16.06.2023 Revision Date: 25.01.2024	Version 10.2	Print Date 10.10.2024
Respiratory or skin sensitisation		
Skin sensitisation		

May cause an allergic skin reaction.

Respiratory sensitisation

Not classified based on available information.

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.

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



Date of last issue: 16.06.2023 Revision Date: 25.01.2024	Version 10.2	Print Date 10.10.2024
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 ass	essment	
Product: Assessment	This substance/mixture contains no comp to be either persistent, bioaccumulative a very persistent and very bioaccumulative 0.1% or higher	nd toxic (PBT), or
12.6 Endocrine disrupting propert	es	
Product: Assessment	The substance/mixture does not contain of ered to have endocrine disrupting propert REACH Article 57(f) or Commission Dele (EU) 2017/2100 or Commission Regulation levels of 0.1% or higher.	ties according to gated regulation
12.7 Other adverse effects		
Product: Additional ecological infor- mation	An environmental hazard cannot be exclu unprofessional handling or disposal. Harmful to aquatic life with long lasting ef	
SECTION 13: Disposal conside	rations	
13.1 Waste treatment methods		
Product	The generation of waste should be avoide wherever possible. Empty containers or liners may retain sor This material and its container must be di way. Dispose of surplus and non-recyclable pr waste disposal contractor. Disposal of this product, solutions and an at all times comply with the requirements	ne product residues. sposed of in a safe oducts via a licensed y by-products should

at all times comply with the requirements of environmental protection and waste disposal legislation and any regional



Date of last issue: 16.06.2023	Version 10.2
Revision Date: 25.01.2024	

Print Date 10.10.2024

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			
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 good					

Not regulated as a dangerous good 14.6 Special precautions for user

Not applicable

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



Date of last issue: 16.06.2023 Revision Date: 25.01.2024	Version 10.2	Print Date 10.10.2024			
UK REACH Candidate list of subs concern (SVHC) for Authorisation					
The Persistent Organic Pollutants Regulation (EU) 2019/1021 as an ain)					
International Chemical Weapons Schedules of Toxic Chemicals an					
Regulation (EC) No 1005/2009 or plete the ozone layer	n substances that de- : Not applicable				
UK REACH List of substances su (Annex XIV)	bject to authorisation : Not applicable				
GB Export and import of hazardor Informed Consent (PIC) Regulation					
Volatile organic compounds :	Law on the incentive tax for volatile organic compounds (VOCV) Volatile organic compounds (VOC) content: 0,2% w/w no VOC duties Directive 2010/75/EU of 24 November 2010 on industrial emissions (integrated pollution prevention and control) Volatile organic compounds (VOC) content: 0,2% w/w				
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 specific for the substance or mixture:	Environmental Protection Act 1990 & Subsidia Health and Safety at Work Act 1974 & Subsidi Control of Substances Hazardous to Health R (COSHH) May be subject to the Control of Major Accide Regulations (COMAH), and amendments.	liary Regulations Regulations			

15.2 Chemical safety assessment

No Chemical Safety Assessment has been carried out for this mixture by the supplier.

Regulations SI 2019/758

Sika[®] Hybriflex[®] SMP

Date of last issue: 16.06.2023 Revision Date: 25.01.2024

H225

H226

SECTION 16: Other information

Full text of H-Statements

Version 10.2

Highly flammable liquid and vapour.

Flammable liquid and vapour.

Toxic if swallowed. H301 Toxic in contact with skin. H311 2 May cause an allergic skin reaction. H317 Causes serious eye damage. H318 Toxic if inhaled. H331 Harmful if inhaled. H332 May cause respiratory irritation. H335 Suspected of damaging fertility. H361f Causes damage to organs. H370 Very toxic to aquatic life. H400 Very toxic to aquatic life with long lasting effects. H410 Full text of other abbreviations Short-term (acute) aquatic hazard Long-term (chronic) aquatic hazard 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 values GB EH40 UK. EH40 WEL - Workplace Exposure Limits 2006/15/EC / TWA Limit Value - eight hours Long-term exposure limit (8-hour TWA reference period) GB EH40 / TWA Short-term exposure limit (15-minute reference period) GB EH40 / STEL European Agreement concerning the International Carriage of ADR : Dangerous Goods by Road Chemical Abstracts Service CAS Derived no-effect level DNEL Half maximal effective concentration EC50 GHS **Globally Harmonized System** IATA International Air Transport Association International Maritime Code for Dangerous Goods IMDG Median lethal dosis (the amount of a material, given all at LD50 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) International Convention for the Prevention of Pollution from MARPOL Ships, 1973 as modified by the Protocol of 1978 OEL **Occupational Exposure Limit** Persistent, bioaccumulative and toxic PBT Predicted no effect concentration PNEC





Date of last issue: 16.06.2023 Revision Date: 25.01.2024	V	ersion 10.2	Print Date 10.10.2024			
REACH	and of the Cou istration, Evalu	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 Substances of Very High Concern				
SVHC	: Substances of					
vPvB	: Very persisten	Very persistent and very bioaccumulative				
Further information						
Classification of the mixture:		Classification proce	edure:			
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