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Revision Date: 22.01.2024		

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

1.1 Product identifier

Trade name : Sikaflex[®]-143 Rapide

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

Product use : 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 Telefax	:	+44 (0)1707 394444 +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: May cause an allergic skin reaction.
Long-term (chronic) aquatic hazard, Cat- egory 3	H412: Harmful to aquatic life with long lasting effects.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms		
Signal word	: Warning	
Hazard statements	: H317 H412	May cause an allergic skin reaction. Harmful to aquatic life with long lasting ef- fects.



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Precautionary statements :	P101 P102	If medical advice is needed, hav container or label at hand. Keep out of reach of children.	re product
	Prevention: P261	Avoid breathing mist or vapours	
	P273 P280	Avoid release to the environmer Wear protective gloves.	11.
	Disposal: P501	Dispose of contents/container in	accordance
		with local regulation.	

Hazardous components which must be listed on the label:

trimethoxyvinylsilane 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.



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SECTION 3: Composition/information on ingredients

3.2 Mixtures

Components

Chemical name	CAS-No. EC-No. Registration number	Classification	Concentration (% w/w)
Polypropylene glycol	25322-69-4 500-039-8	Acute Tox. 4; H302	>= 10 - < 20
		Acute toxicity esti- mate	
		Acute oral toxicity: 1.000 mg/kg	
Titanium dioxide (> 10 μm)	13463-67-7 236-675-5 01-2119489379-17- XXXX		>= 2,5 - < 5
trimethoxyvinylsilane Contains:	2768-02-7 220-449-8	Flam. Liq. 3; H226 Acute Tox. 4; H332	>= 1 - < 2,5
tetramethyl orthosilicate <= 0,2 %	01-2119513215-52- XXXX	Skin Sens. 1B; H317	
		Acute toxicity esti- mate	
		Acute inhalation tox- icity (vapour): 16,8 mg/l	
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	>= 0,25 - < 1
		M-Factor (Acute aquatic toxicity): 1 M-Factor (Chronic aquatic toxicity): 1	

For explanation of abbreviations see section 16.

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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.



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If inhaled	:	Move to fresh air. 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	:	Remove contact lenses. Keep eye wide open while rinsing. If eye irritation persists, consult a specialis	st.
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	
.2 Most important symptoms	and e	effects, both acute and delayed	
Symptoms	:	Allergic reactions See Section 11 for more detailed informat and symptoms.	ion on health effects
Risks	:	sensitising effects	
		May cause an allergic skin reaction.	
.3 Indication of any immediat	e me	dical attention and special treatment nee	ded
.3 Indication of any immediat Treatment	e meo :	dical attention and special treatment nee Treat symptomatically.	ded
-	:	Treat symptomatically.	ded
Treatment	:	Treat symptomatically.	ded
Treatment	asur	Treat symptomatically.	er jet/carbon diox-
Treatment ECTION 5: Firefighting me	: asur	Treat symptomatically. es In case of fire, use water/water spray/water ide/sand/foam/alcohol resistant foam/cherr extinction.	er jet/carbon diox-
Treatment ECTION 5: Firefighting me .1 Extinguishing media Suitable extinguishing medi .2 Special hazards arising fro	: easur a : om the	Treat symptomatically. es In case of fire, use water/water spray/water ide/sand/foam/alcohol resistant foam/cherr extinction.	er jet/carbon diox- nical powder for
Treatment ECTION 5: Firefighting me .1 Extinguishing media Suitable extinguishing medi .2 Special hazards arising fro Hazardous combustion proc	: easur a : om the	Treat symptomatically. es In case of fire, use water/water spray/wate ide/sand/foam/alcohol resistant foam/cher extinction.	er jet/carbon diox- nical powder for
Treatment ECTION 5: Firefighting media Suitable extinguishing media 2 Special hazards arising fro Hazardous combustion products	a : m the	Treat symptomatically. es In case of fire, use water/water spray/wate ide/sand/foam/alcohol resistant foam/cher extinction.	er jet/carbon diox- nical powder for



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SECTION 6: Accidental relea	se measures	
6.1 Personal precautions, prote	ctive equipment and emergency procedu	ures
Personal precautions	: Use personal protective equipment. Deny access to unprotected persons.	
6.2 Environmental precautions		
Environmental precautions	: Do not flush into surface water or sani If the product contaminates rivers and respective authorities.	
6.3 Methods and material for co	ntainment and cleaning up	
Methods for cleaning up	: Soak up with inert absorbent material acid binder, universal binder, sawdust Keep in suitable, closed containers for	t).
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, including any incompatibilities

Requirements for storage	: Keep container tightly closed in a dry and well-ventila	ted
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areas and containers		place. Store in accordance with local regulations.	
Further information on stor- age stability	:	No decomposition if stored and applied as directed	≩d.
7.3 Specific end use(s) Specific use(s)	:	Consult most current local Product Data Sheet pr use.	ior 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	10 mg/m3	GB EH40
		dust)		
		TWA (Respirable	4 mg/m3	GB EH40
		dust)		

*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	nation: Indicative, Ide	entifies the possib	ility 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 that						
	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.

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-
Country GB 10000006347	



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	proved standard must be worn at all times when chemical products. Reference number EN 374. F facturer specifications.	
	Suitable for short time use or protection against s 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.	splashes:
Skin and body protection :	Protective clothing (e.g. Safety shoes acc. to EN long-sleeved working clothing, long trousers). Ru and protective boots are additionaly recommend and stirring work.	ubber aprons
Respiratory protection :	In case of inadequate ventilation wear respirator Respirator selection must be based on known or 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 p Ensure adequate ventilation. This can be achiev exhaust extraction or by general ventilation. (EN ods for determining inhalation exposure). This ap ticular to the mixing / stirring area. In case this is to keep the concentrations under the occupation limits then respiration protection measures must	anticipated the safe work- opm ed by local 689 - Meth- oplies in par- not sufficent al exposure
Environmental exposure control	ols	
General advice :	Do not flush into surface water or sanitary sewer If the product contaminates rivers and lakes or d respective authorities.	

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state Appearance Colour	::	liquid paste various
Odour	:	No data available
Melting point/range / Freezing point	:	No data available

Boiling point/boiling range : No data available

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



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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	:	> 93 °C Method: closed cup	
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. 1,48 g/cm3 (20 °C)	
Relative vapour density	:	No data available	
Particle characteristics		No data available	

9.2 Other information

No data available



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SECTION 10: Stability and re	acti	vity		
10.1 Reactivity				
No dangerous reaction know	n une	der conditions of normal use.		
10.2 Chemical stability				
The product is chemically sta	ble.			
10.3 Possibility of hazardous re	actio	ons		
Hazardous reactions	:	No hazards to be specially mentioned.		
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	proc	lucts		
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:

Polypropylene glycol:

Acute oral toxicity	:	LD50 (Rat): 1.000 mg/kg
		Acute toxicity estimate: 1.000 mg/kg Method: Calculation method
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



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Method: Calculation method								
Acute dermal toxicity	LD50: 3.540 mg/kg							
Pentamethyl piperidylsebacate:								
Acute oral toxicity	LD50 Oral (Rat): 3.230 mg/kg							
Skin corrosion/irritation Not classified based on available information. Serious eye damage/eye irritation Not classified based on available information. Respiratory or skin sensitisation								
						Skin sensitisation May cause an allergic skin reaction.		
Respiratory sensitisation Not classified based on available information.								
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	e information.							
Aspiration toxicity Not classified based on available information.								
11.2 Information on other hazards								
Endocrine disrupting propert	ies							
<u>Product:</u> Assessment	The substance/mixture does not contain cor ered to have endocrine disrupting properties REACH Article 57(f) or Commission Delega (EU) 2017/2100 or Commission Regulation levels of 0.1% or higher.	s according to ted regulation						



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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

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:

Assessment

: This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher..

12.6 Endocrine disrupting properties

Product:

Assessment

: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

12.7 Other adverse effects

Product:

Additional ecological infor-	:	An environmental hazard cannot be excluded in the event of
mation		unprofessional handling or disposal.
		Harmful to aquatic life with long lasting effects.



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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.
European Waste Catalogue	:	08 04 09* waste adhesives and sealants containing organic solvents or other dangerous substances
Contaminated packaging	:	15 01 10* packaging containing residues of or contaminated by dangerous substances

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



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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 good			
14.6 Special precautions for use Not applicable	r			
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 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		
International Chemical Weapons Convention (CWC) Schedules of Toxic Chemicals and Precursors	: Not applicable		
Regulation (EC) No 1005/2009 on substances that deplete the ozone layer	: Not applicable		
UK REACH List of substances subject to authorisation (Annex XIV)	: Not applicable		
(VOCV)	(VOCV) Volatile organic compounds (VOC) content: 0% w/w		
emissions (integrated	Directive 2010/75/EU of 24 November 2010 on industrial emissions (integrated pollution prevention and control) Volatile organic compounds (VOC) content: 0% w/w		



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If other regulatory information applies	s that is not already provided elsewh	nere in the Safety Data

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:	tion Health an e or Control of	Environmental Protection Act 1990 & Subsidiary Regulations Health and Safety at Work Act 1974 & Subsidiary Regulations Control of Substances Hazardous to Health Regulations (COSHH)
		May be subject to the Control of Major Accident Hazards Regulations (COMAH), and amendments.

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		
H226	:	Flammable liquid and vapour.
H302	:	Harmful if swallowed.
H317	:	May cause an allergic skin reaction.
H332	:	Harmful if inhaled.
H361f	:	Suspected of damaging fertility.
H400	:	Very toxic to aquatic life.
H410	:	Very toxic to aquatic life with long lasting effects.
Full text of other abbreviation	ns	
Acute Tox.	:	Acute toxicity
Aquatic Acute	:	Short-term (acute) aquatic hazard
Aquatic Chronic	:	Long-term (chronic) aquatic hazard
Flam. Liq.	:	Flammable liquids
Repr.	:	Reproductive toxicity
Skin Sens.	:	Skin sensitisation
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
GB EH40 / TWA	:	Long-term exposure limit (8-hour TWA reference period)
GB EH40 / STEL	:	Short-term exposure limit (15-minute reference period)
ADR	:	European Agreement concerning the International Carriage of
		Dangerous Goods by Road
CAS	:	Chemical Abstracts Service
DNEL	:	Derived no-effect level
EC50	:	Half maximal effective concentration
GHS	:	Globally Harmonized System
ΙΑΤΑ	:	International Air Transport Association
IMDG	:	International Maritime Code for Dangerous Goods
LD50	:	Median lethal dosis (the amount of a material, given all at
		once, which causes the death of 50% (one half) of a group of
		test animals)
LC50	:	Median lethal concentration (concentrations of the chemical in
		air that kills 50% of the test animals during the observation



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MARPOL OEL PBT		period) International Convention Ships, 1973 as modified Occupational Exposure Persistent, bioaccumula	by the Protocol of 1978 Limit	
PNEC REACH	:	Predicted no effect concentration Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Reg- istration, Evaluation, Authorisation and Restriction of Chemi- cals (REACH), establishing a European Chemicals Agency		
SVHC vPvB	:	Substances of Very High Concern Very persistent and very bioaccumulative		
Further information				
Classification of the mixtu Skin Sens. 1		317	Classification proced	lure:

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 !

H412

GB / EN

Aquatic Chronic 3