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

1.1 Product identifier

Trade name	:	Sikafloor [®] Marine-579 Part B
UK REACH Registration Number	:	01-2119457013-49-XXXX
Substance name	:	4,4`-Methylenediphenyl diisocyanate, oligomers
EC-No.	:	500-040-3

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

Product use : Flooring system, 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 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)

Acute toxicity, Category 4	H332: Harmful if inhaled.
Skin irritation, Category 2	H315: Causes skin irritation.
Eye irritation, Category 2	H319: Causes serious eye irritation.
Respiratory sensitisation, Category 1	H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Skin sensitisation, Category 1	H317: May cause an allergic skin reaction.
Carcinogenicity, Category 2	H351: Suspected of causing cancer.
Specific target organ toxicity - single ex- posure, Category 3, Respiratory system	H335: May cause respiratory irritation.
Specific target organ toxicity - repeated exposure, Category 2	H373: May cause damage to organs through pro- longed or repeated exposure if inhaled.



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2.2 Label elements		
Labelling (REGULATION (EC)	No 1272/2008)	
Hazard pictograms :		
Signal word :	Danger	
Hazard statements :	 H315 Causes skin irritation. H317 May cause an allergic skin i H319 Causes serious eye irritatio H332 Harmful if inhaled. H334 May cause allergy or asthming difficulties if inhaled. H335 May cause respiratory irrita H351 Suspected of causing cancer H373 May cause damage to orgatory irrita 	n. na symptoms or breath- tion. er. ns through prolonged
Precautionary statements :	Prevention:P201Obtain special instructP260Do not breathe mist orP264Wash skin thoroughlyP280Wear protective gloves eye protection/ face pr	[.] vapours. after handling. s/ protective clothing/
		tory symptoms: Call a

Additional Labelling

"As from 24 August 2023 adequate training is required before industrial or professional use."

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

3.1 Substances

Components

Chemical name	CAS-No. EC-No.	Concentration (% w/w)	M-Factor, SCL, ATE
4,4`-Methylenediphenyl diisocyanate, oligomers	25686-28-6 500-040-3	100	Acute toxicity estimate Acute inhalation toxici- ty (dust/mist): 1,5 mg/l
triethyl phosphate	78-40-0 201-114-5	>= 1 - < 2,5	Acute toxicity estimate Acute oral toxicity: 1.600 mg/kg

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice	Consult a	of dangerous area. a physician. s safety data sheet to the doctor in attendance.
If inhaled	: Move to f Consult a	resh air. a physician after significant exposure.
In case of skin contact	Wash off	contaminated clothing and shoes immediately. with soap and plenty of water. ms persist, call a physician.
In case of eye contact	Remove Keep eye	ely flush eye(s) with plenty of water. contact lenses. wide open while rinsing. ation persists, consult a specialist.
If swallowed	Rinse mo Do not gi	duce vomiting without medical advice. outh with water. ve milk or alcoholic beverages. ve anything by mouth to an unconscious person.



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4.2 Most important symptoms a	and effects, both acute and delayed	
Symptoms	: Asthmatic appearance Cough Respiratory disorder Allergic reactions Excessive lachrymation Erythema Headache Dermatitis See Section 11 for more detailed infor and symptoms.	mation on health effects
Risks	: irritant effects sensitising effects	
	Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Harmful if inhaled. May cause allergy or asthma sympton ties if inhaled. May cause respiratory irritation.	ns or breathing difficul-
	Suspected of causing cancer. May cause damage to organs through exposure if inhaled.	prolonged or repeated
4.3 Indication of any immediate Treatment	Suspected of causing cancer. May cause damage to organs through	
Treatment SECTION 5: Firefighting mea 5.1 Extinguishing media	Suspected of causing cancer. May cause damage to organs through exposure if inhaled. • medical attention and special treatment : Treat symptomatically.	needed
Treatment SECTION 5: Firefighting mea 5.1 Extinguishing media Suitable extinguishing media	Suspected of causing cancer. May cause damage to organs through exposure if inhaled. e medical attention and special treatment : Treat symptomatically. asures a : In case of fire, use water/water spray/vide/sand/foam/alcohol resistant foam/organ/or	needed
Treatment SECTION 5: Firefighting mea 5.1 Extinguishing media Suitable extinguishing media 5.2 Special hazards arising from	Suspected of causing cancer. May cause damage to organs through exposure if inhaled. e medical attention and special treatment : Treat symptomatically. asures a : In case of fire, use water/water spray/vide/sand/foam/alcohol resistant foam/organ/or	needed water jet/carbon diox- chemical powder for
Treatment SECTION 5: Firefighting mea 5.1 Extinguishing media Suitable extinguishing media 5.2 Special hazards arising from Hazardous combustion prod ucts 5.3 Advice for firefighters	Suspected of causing cancer. May cause damage to organs through exposure if inhaled. a medical attention and special treatment : Treat symptomatically. asures a : In case of fire, use water/water spray/vide/sand/foam/alcohol resistant foam/or extinction. m the substance or mixture	needed water jet/carbon diox- chemical powder for



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SECTION 6: Accidental release	measures	
6.1 Personal precautions, protectiv	ve 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 sanitar If the product contaminates rivers and la respective authorities.	
6.3 Methods and material for conta	ainment and cleaning up	
	Soak up with inert absorbent material (e. acid binder, universal binder, sawdust). Keep in suitable, closed containers for di	

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 formation of aerosol. 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. Provide sufficient air exchange and/or exhaust in work rooms. 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	nclu	uding any incompatibilities

Requirements for storage	:	Keep container tightly closed in a dry and well-ventilated
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areas and containers	place. Containers which are opened must be carefully re- sealed and kept upright to prevent leakage. Store in accord- ance with local regulations.	
Further information on stor- age stability	No decomposition if stored and applied as directed.	
7.3 Specific end use(s) Specific use(s)	: Cleaning with aprotic polar solvents mus Consult most current local Product Data 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 *
4,4`-Methylenediphenyl diisocyanate, oligomers	25686-28-6	TWA	0,02 mg/m3 (NCO)	GB EH40
	asthma (also k can induce a s immunological become hyper- sometimes ever toms. These sy asthma. Not al come hyper-re those who are that can cause substances wh with pre-existin include the dis classified as as mation can be assessments of asthma., When stances that can Where this is r standards of or responsive. For COSHH requir sonably praction centrations sho ment is being of employees exp may cause occ	ation: Substances the nown as asthmage tate of specific airw irritant or other med- responsive, further en in tiny quantities, ymptoms can range I workers who are esponsive and it is in likely to become hy eccupational asthmatich may trigger the ng airway hyper-res ease themselves. T sthmagens or respin found in the HSE p of the evidence for a rever it is reasonable an cause occupation to possible, the prin ontrol to prevent wo or substances that c es that exposure be cable. Activities givin build receive particu- considered. Health so cupational asthma a th an occupational	hat can cause occ ns and respiratory ay hyper-responsi chanism. Once the exposure to the s may cause respir in severity from a exposed to a sensi inpossible to identi per-responsive. In a should be distin symptoms of asth ponsiveness, but to he latter substant the latter substant agents implicated in y practicable, expo- nal asthma should mary aim is to app orkers from becom an cause occupate e reduced to as low ing rise to short-ter lar attention when surveillance is app e exposed to a sub and there should be	v sensitisers) iveness via an e airways have substance, ratory symp- a runny nose to itiser will be- ify in advance Substances nguished from ma in people which do not ces are not Further infor- igen? Critical in occupational osure to sub- I be prevented. by adequate ing hyper- ional asthma, w as is rea- rm peak con- risk manage- propriate for all ostance which he appropriate



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	pational asthm assigned only asthma in the bered that othe pational asthm	and level of surveilla a., The 'Sen' notation to those substances categories shown in er substances not in a. HSE's asthma w .uk/asthma) provide	on in the list of WE s which may cause I Table 1. It should I these tables may eb pages	ELs has been e occupational d be remem- v cause occu-
		STEL	0,07 mg/m3 (NCO)	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 Hand protection	:	Safety glasses with side-shields conforming to EN166 Eye wash bottle with pure water 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 manufacturer 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	:	In case of inadequate ventilation wear respiratory protection. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe work- ing limits of the selected respirator. Use a properly fitted NIOSH approved air-purifying or air-fed respirator complying with an approved standard if a risk as- sessment indicates this is necessary. organic vapor filter (Type A) A1: < 1000 ppm; A2: < 5000 ppm; A3: < 10000 ppm Ensure adequate ventilation. This can be achieved by local exhaust extraction or by general ventilation. (EN 689 - Meth- ods for determining inhalation exposure). This applies in par- ticular to the mixing / stirring area. In case this is not sufficent to keep the concentrations under the occupational exposure limits then respiration protection measures must be used.	



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		Ensure adequate ventilation, especially in co	onfined areas.	
Environmental exposure con	itro	ls		
•		Do not flush into surface water or sanitary sewer system. If the product contaminates rivers and lakes or drains inform respective authorities.		
ECTION 9: Physical and cher	nic	al properties		
.1 Information on basic physical	an	d chemical properties		
Physical state	:	liquid		
Colour Odour	:	yellow characteristic		
Melting point/range / Freezing point	:	No data available		
Boiling point/boiling range	:	> 200 °C		
Flammability (solid, gas)	:	No data available		
Upper/lower flammability or (exp	plosive limits		
Upper explosion limit / Up- per flammability limit	-			
Lower explosion limit / Lower flammability limit	:	No data available		
Flash point	:	190 °C Method: closed cup		
Auto-ignition temperature	:	No data available		
Decomposition temperature	:	No data available		
рН	:	Not applicable substance/mixture reacts with water		
Viscosity Viscosity, kinematic	:	> 7 mm2/s (40 °C)		
Solubility(ies)				
Water solubility	:	insoluble		
Partition coefficient: n- octanol/water	:	No data available		
Vapour pressure	:	0,01 hPa		



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Density	: 1,22 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

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 Harmful if inhaled.

Components:

4,4`-Methylenediphenyl diisocyanate, oligomers:

Acute oral toxicity	:	LD50 Oral (Rat): > 5.000 mg/kg
Acute inhalation toxicity	:	LC50: 1,5 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: Expert judgement



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	Acute toxicity estimate: 1,5 mg/l Test atmosphere: dust/mist Method: Calculation method	
Acute dermal toxicity	: LD50 Dermal (Rabbit): > 9.400 mg/kg	
triethyl phosphate:		
Acute oral toxicity	: LD50 Oral (Rat): 1.600 mg/kg	
	Acute toxicity estimate: 1.600 mg/kg Method: Calculation method	
Skin corrosion/irritation Causes skin irritation.		
Serious eye damage/eye i Causes serious eye irritatio		
Respiratory or skin sensit	sation	
Skin sensitisation May cause an allergic skin	action.	
Respiratory sensitisation May cause allergy or asthm	symptoms or breathing difficulties if inhaled.	
Germ cell mutagenicity Not classified based on ava	able information.	
Carcinogenicity Suspected of causing cance	·.	
Reproductive toxicity		
Not classified based on ava STOT - single exposure	able mormation.	
May cause respiratory irrita	on.	
STOT - repeated exposure May cause damage to orga	s through prolonged or repeated exposure if inhal	ed.
Aspiration toxicity Not classified based on ava	able information	
11.2 Information on other haza		
Endocrine disrupting pro		
Product:		
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 	s according to ted regulation



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	levels of 0.1% or higher.	
SECTION 12: Ecological inform	ation	
12.1 Toxicity No data available		
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	
<u>Product:</u> Assessment :	This substance/mixture contains no con to be either persistent, bioaccumulative very persistent and very bioaccumulativ 0.1% or higher	and toxic (PBT), or
12.6 Endocrine disrupting properti	es	
Product:		
Assessment :	The substance/mixture does not contain ered to have endocrine disrupting prope REACH Article 57(f) or Commission De (EU) 2017/2100 or Commission Regula levels of 0.1% or higher.	erties according to legated regulation
12.7 Other adverse effects		
Product: Additional ecological infor- : mation	There is no data available for this produ	ict.
SECTION 13: Disposal conside	rations	
13.1 Waste treatment methods Product :	The generation of waste should be avoi	ided or minimized



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		waste disposal contractor. Disposal of this product, solutions and any by at all times comply with the requirements of e protection and waste disposal legislation and local authority requirements. Avoid dispersal of spilled material and runoff soil, waterways, drains and sewers.	nvironmental any regional
European Waste Catalogue	:	08 01 11* waste paint and varnish containing vents or other dangerous substances	J organic sol-
Contaminated packaging	:	15 01 10* packaging containing residues of o by dangerous substances	r contaminated

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				
		l		

Not regulated as a dangerous good

14.6 Special precautions for user Not applicable



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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 (A	nnex 17)	:	Banned and/or restricted
UK REACH Candidate list of sub- concern (SVHC) for Authorisation		:	Not applicable
The Persistent Organic Pollutants Regulation (EU) 2019/1021 as ar ain)		:	Not applicable
International Chemical Weapons Schedules of Toxic Chemicals ar		:	Not applicable
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 hazardo Informed Consent (PIC) Regulation		:	Not applicable
Control of Major Accident Hazard 2015 (COMAH)	ls Regulations	Not	applicable
Volatile organic compounds :	Law on the incentive tax for volatile organic compounds (VOCV) Volatile organic compounds (VOC) content: < 0% w/w no VOC duties		
	emissions (integrated	poll	4 November 2010 on industrial ution prevention and control) ds (VOC) content: < 0% w/w
	- 1: 414 :		ided ale sude are in the Osfata De

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	



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Regulations (COMAH), and amendments.

15.2 Chemical safety assessment

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

SECTION 16: Other information

Full text of other abbreviations

UK. EH40 WEL - Workplace Exposure Limits
Long-term exposure limit (8-hour TWA reference period)
Short-term exposure limit (15-minute reference period)
European Agreement concerning the International Carriage of
Dangerous Goods by Road
Chemical Abstracts Service
Derived no-effect level
Half maximal effective concentration
Globally Harmonized System
International Air Transport Association
International Maritime Code for Dangerous Goods
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)
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
Ships, 1973 as modified by the Protocol of 1978
Occupational Exposure Limit
Persistent, bioaccumulative and toxic
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
Substances of Very High Concern
Very persistent and very bioaccumulative

Further information

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



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