

Date of last issue: 28.03.2023	Version 4.10	Print Date 11.05.2023
Revision Date: 04.04.2023		

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

#### 1.1 Product identifier

Trade name

Sikafloor<sup>®</sup>-10 PurCem<sup>®</sup> FS Part B

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

Product use : Flooring system

#### 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 12 Acute toxicity, Category 4	<b>72/2008)</b> 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 H317 H319 H332 H334 H335 H351 H373	Causes skin irritation. May cause an allergic skin rea Causes serious eye irritation. Harmful if inhaled. May cause allergy or asthma s breathing difficulties if inhaled. May cause respiratory irritation Suspected of causing cancer. May cause damage to organs longed or repeated exposure if	ymptoms or 1. through pro-
Precautionary statements :	<b>Prevention:</b> P201 P260 P264 P280	Obtain special instructions before Do not breathe mist or vapours Wash skin thoroughly after har Wear protective gloves/ protection.	s. ndling. tive clothing/
	<b>Response:</b> P304 + P340 + P308 + P313	P312 IF INHALED: Remove po air and keep comfortable for br POISON CENTER/ doctor if yo IF exposed or concerned: Get vice/ attention.	eathing. Call a ou feel unwell.

#### Hazardous components which must be listed on the label:

Diphenylmethanediisocyanate, isomeres and homologues

#### 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.



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

### **SECTION 3: Composition/information on ingredients**

#### 3.2 Mixtures

#### Components

Chemical name	CAS-No. EC-No. Registration number	Classification	Concentration (% w/w)
Diphenylmethanediisocyanate, isomeres and homologues	9016-87-9 Not Assigned	Acute Tox. 4; H332 Skin Irrit. 2; H315 Eye Irrit. 2; H319 Resp. Sens. 1; H334 Skin Sens. 1; H317 Carc. 2; H351 STOT SE 3; H335 (Respiratory system) STOT RE 2; H373 	>=80

For explanation of abbreviations see section 16.

### **SECTION 4: First aid measures**

A 4 Departmetic of first and measures

4.1 Description of first aid measur	es
General advice	<ul> <li>Move out of dangerous area.</li> <li>Consult a physician.</li> <li>Show this safety data sheet to the doctor in attendance.</li> </ul>
If inhaled	: Move to fresh air. Consult a physician after significant exposure.



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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	<ul> <li>Immediately flush eye(s) with plenty of wa Remove contact lenses.</li> <li>Keep eye wide open while rinsing.</li> <li>If eye irritation persists, consult a specialis</li> </ul>	
If swallowed	<ul> <li>Do not induce vomiting without medical ac Rinse mouth with water.</li> <li>Do not give milk or alcoholic beverages.</li> <li>Never give anything by mouth to an uncor</li> </ul>	
2 Most important symptoms	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 informat and symptoms.	ion on health effects
Risks	<ul> <li>irritant effects sensitising effects</li> <li>Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Harmful if inhaled. May cause allergy or asthma symptoms o ties if inhaled. May cause respiratory irritation. Suspected of causing cancer. May cause damage to organs through pro exposure if inhaled.</li> </ul>	
3 Indication of any immediat	e medical attention and special treatment nee	ded
Treatment	: Treat symptomatically.	

# 5.1 Extinguishing media

Suitable extinguishing media : In case of fire, use water/water spray/water jet/carbon diox-



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	ide/sand/foam/alcohol resistant foam/chemic extinction.	al powder for
5.2 Special hazards arising from t	ne substance or mixture	
Hazardous combustion prod- ucts	No hazardous combustion products are know	vn
5.3 Advice for firefighters		
Special protective equipment for firefighters	In the event of fire, wear self-contained breat	hing apparatus.
Further information	Standard procedure for chemical fires.	
SECTION 6: Accidental release	measures	
• •	Use personal protective equipment. Deny access to unprotected persons.	
6.2 Environmental precautions		
Environmental precautions	Do not flush into surface water or sanitary se If the product contaminates rivers and lakes respective authorities.	
6.3 Methods and material for cont	ainment and cleaning up	
	O a al sur suith in art ab a she ant material (a ma	

Methods for cleaning up	:	Soak up with inert absorbent material (e.g. sand, silica gel,
		acid binder, universal binder, sawdust).
		Keep in suitable, closed containers for disposal.

### 6.4 Reference to other sections

For personal protection see section 8.

## **SECTION 7: Handling and storage**

#### 7.1 Precautions for safe handling

: 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 asth- ma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.



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		Smoking, eating and drinking should be prohibit plication area. Provide sufficient air exchange and/or exhaust i Follow standard hygiene measures when handl products	n work rooms.
Advice on protection against fire and explosion	:	Normal measures for preventive fire protection.	
Hygiene measures	:	Handle in accordance with good industrial hygic practice. When using do not eat or drink. When smoke. Wash hands before breaks and at the e	using do not
7.2 Conditions for safe storage,	inc	luding any incompatibilities	
Requirements for storage areas and containers	:	Keep container tightly closed in a dry and well-vellace. Containers which are opened must be casealed and kept upright to prevent leakage. Sto ance with local regulations.	arefully re-
Further information on stor- age stability	:	No decomposition if stored and applied as direc	ted.
7.3 Specific end use(s)			
Specific use(s)	:	Cleaning with aprotic polar solvents must be av Consult most current local Product Data Sheet use.	

### **SECTION 8: Exposure controls/personal protection**

#### 8.1 Control parameters

#### **Occupational Exposure Limits**

Components	CAS-No.	Value type (Form	Control parame-	Basis *
		of exposure)	ters *	
Diphenylmethanediisocyanate, isomeres	9016-87-9	TWA	0,02 mg/m3	GB EH40
and homologues			(NCO)	
	Further informa	ation: Capable of ca	using occupation	al asthma.
		STEL	0,07 mg/m3	GB EH40
			(NCO)	

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

#### **Biological occupational exposure limits**

Substance name	CAS-No.	Control parame-	Sampling time	Basis
		ters		
Diphenylmethanediisocyanate, iso- meres and homologues	9016-87-9	isocyanate- derived diamine (Isocyanates): 1	At the end of the period of expo- sure	GB EH40 BAT



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		µmol/mol creati- nine (Urine)		
2 Exposure controls				
Engineering measures				
Maintain air concentrations l Ensure adequate ventilation		occupational exposure standards. ecially in confined areas.		
Personal protective equip	ment			
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 approved 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 age 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. long-sleeved working clothing, long trouser and protective boots are additionally recommendational stirring work.	s). Rubber aprons	
Respiratory protection	:	In case of inadequate ventilation wear resp Respirator selection must be based on kno exposure levels, the hazards of the product ing limits of the selected respirator. Use a properly fitted NIOSH approved air-p respirator complying with an approved stan sessment indicates this is necessary. organic vapor filter (Type A) A1: < 1000 ppm; A2: < 5000 ppm; A3: < 10 Ensure adequate ventilation. This can be a exhaust extraction or by general ventilation ods for determining inhalation exposure). T ticular to the mixing / stirring area. In case to to keep the concentrations under the occup	wn or anticipated t and the safe work- burifying or air-fed dard if a risk as- 0000 ppm chieved by local t. (EN 689 - Meth- his applies in par- this is not sufficent	

#### Environmental exposure controls

General advice

: Do not flush into surface water or sanitary sewer system.

limits then respiration protection measures must be used. Ensure adequate ventilation, especially in confined areas.



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If the product contaminates rivers and lakes or drains inform respective authorities.

## **SECTION 9: Physical and chemical properties**

<b>9.1 Information on basic physical</b> Physical state Colour	an : :	<b>d chemical properties</b> liquid light brown
Odour	:	very faint
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 o	exp	losive limits
Upper explosion limit / Up- per flammability limit	:	No data available
Lower explosion limit / Lower flammability limit	:	No data available
Flash point	:	> 200 °C Method: closed cup
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
рН	:	Not applicable
Viscosity		
Viscosity, dynamic	:	ca. 200 mPa.s (25 °C)
Viscosity, kinematic	:	> 20,5 mm2/s (40 °C)



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<b>Solubility(ies)</b> Water solubility	: insoluble	
Partition coefficient: n- octanol/water	: No data available	
Vapour pressure Density	: 0,01 hPa : ca. 1,2 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.



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## **SECTION 11: Toxicological information**

#### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### Acute toxicity

Harmful if inhaled.

#### **Components:**

#### Diphenylmethanediisocyanate, isomeres and homologues:

Acute oral toxicity	: LD50 Oral (Rat): > 10.000 mg/kg
Acute inhalation toxicity	: LC50: 1,5 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: Expert judgement Assessment: The component/mixture is moderately toxic after short term inhalation.

Acute dermal toxicity : LD50 Dermal (Rabbit): > 9.400 mg/kg

#### Skin corrosion/irritation

Causes skin irritation.

#### Serious eye damage/eye irritation

Causes serious eye irritation.

#### Respiratory or skin sensitisation

#### Skin sensitisation

May cause an allergic skin reaction.

#### **Respiratory sensitisation**

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

#### Germ cell mutagenicity

Not classified based on available information.

#### Carcinogenicity

Suspected of causing cancer.

#### **Reproductive toxicity**

Not classified based on available information.

#### STOT - single exposure

May cause respiratory irritation.

#### STOT - repeated exposure

May cause damage to organs through prolonged or repeated exposure if inhaled.

#### Aspiration toxicity

Not classified based on available information.



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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:**

#### Diphenylmethanediisocyanate, isomeres and homologues:

Toxicity to fish	:	LC50 (Brachydanio rerio (zebrafish)): > 1.000 mg/l Exposure time: 96 h
Toxicity to algae/aquatic plants	:	EC50 (Desmodesmus subspicatus (green algae)): > 1.640 mg/l Exposure time: 72 h

#### 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

Assessment	: The substance/mixture does not contain components consid-
	ered 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



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		levels of 0.1% or higher.	
12.7 Other adverse effects			
Product: Additional ecological infor- mation	:	There is no data available for this product.	
SECTION 13: Disposal consid	lera	tions	
13.1 Waste treatment methods			
Product	:	The generation of waste should be avoided wherever possible. Empty containers or liners may retain some This material and its container must be dispo- way. Dispose of surplus and non-recyclable produ- waste disposal contractor. Disposal of this product, solutions and any be at all times comply with the requirements of protection and waste disposal legislation and local authority requirements. Avoid dispersal of spilled material and runof soil, waterways, drains and sewers.	product residues. osed of in a safe ucts via a licensed py-products should environmental d any regional
European Waste Catalogue	:	08 05 01* waste isocyanates	
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)			



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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	
<b>14.5 Environmental hazards</b> Not regulated as a dangerous	nood	
	,000	
14.6 Special precautions for use Not applicable		
<b>14.7 Maritime transport in bulk according to IMO instruments</b> 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: Diphenylmethanediisocyanate, iso- meres and homologues (Number on list 56)
International Chemical Weapons Convention (CW Schedules of Toxic Chemicals and Precursors	C) : Not applicable
Regulation (EC) No 1005/2009 on substances tha plete the ozone layer	t de- : Not applicable
GB Export and import of hazardous chemicals - P Informed Consent (PIC) Regulation	rior : Not applicable
Control of Major Accident Hazards Regulations 2015 (COMAH)	Not applicable
	entive tax for volatile organic compounds



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	Directive 2010/75/EU of 24 November 2010 or emissions (integrated pollution prevention and Not applicable		
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:	<ul> <li>Environmental Protection Act 1990 &amp; Subsidia Health and Safety at Work Act 1974 &amp; Subsidia Control of Substances Hazardous to Health Re (COSHH) May be subject to the Control of Major Accider Regulations (COMAH), and amendments.</li> </ul>	ary Regulations egulations	

#### 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**

H315 H317 H319 H332 H334 H335 H351 H373		Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Harmful if inhaled. May cause allergy or asthma symptoms or breathing difficul- ties if inhaled. May cause respiratory irritation. Suspected of causing cancer. May cause damage to organs through prolonged or repeated exposure if inhaled.
Full text of other abbreviation	ns	
Acute Tox.	:	Acute toxicity
Carc.	:	Carcinogenicity
Eye Irrit.	:	Eye irritation
Resp. Sens.	:	Respiratory sensitisation
Skin Irrit.	:	Skin irritation
Skin Sens.	:	Skin sensitisation
STOT RE	:	Specific target organ toxicity - repeated exposure
STOT SE	:	Specific target organ toxicity - single exposure
GB EH40	:	UK. EH40 WEL - Workplace Exposure Limits
GB EH40 BAT	:	UK. Biological monitoring guidance values
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



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EC50	:	Half maximal effective concentration	
GHS	:	Globally Harmonized System	
ΙΑΤΑ	:	International Air Transport Association	
IMDG	:	International Maritime Code for Dangerous G	bods
LD50	:	Median lethal dosis (the amount of a material	given all at
		once, which causes the death of 50% (one hat test animals)	lf) of a group of
LC50	:	Median lethal concentration (concentrations o	f the chemical in
		air that kills 50% of the test animals during the period)	e observation
MARPOL	:	International Convention for the Prevention of	Pollution from
		Ships, 1973 as modified by the Protocol of 19	78
OEL	:	Occupational Exposure Limit	
PBT	:	Persistent, bioaccumulative and toxic	
PNEC	:	Predicted no effect concentration	
REACH	:	Regulation (EC) No 1907/2006 of the Europea	an Parliament
		and of the Council of 18 December 2006 cond	cerning the Reg-
		istration, Evaluation, Authorisation and Restrie	ction of Chemi-
		cals (REACH), establishing a European Chen	nicals Agency
SVHC	:	Substances of Very High Concern	
vPvB	:	Very persistent and very bioaccumulative	

Classification of	the mixture:	Classification procedure:		
Acute Tox. 4	H332	Calculation method		
Skin Irrit. 2	H315	Calculation method		
Eye Irrit. 2	H319	Calculation method		
Resp. Sens. 1	H334	Calculation method		
Skin Sens. 1	H317	Calculation method		
Carc. 2	H351	Calculation method		
STOT SE 3	H335	Calculation method		
STOT RE 2	H373	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

**Further information**