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

#### 1.1 Product identifier

Trade name : SikaBond®-52 Wood Floor

#### 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)

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

## 2.2 Label elements

# Labelling (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

#### **Additional Labelling**

EUH208	Contains 4,4'-methylenediphenyl diisocyanate, m-tolylidene diisocyanate, Hardener LI (Isophoronedialdimine). May produce an allergic reaction.
EUH204	Contains isocyanates. May produce an allergic reaction.
	"As from 24 August 2023 adequate training is required before industrial or professional use."

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## 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.

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

## 3.2 Mixtures

#### Components

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Chemical name	CAS-No.	Classification	Concentration
	EC-No.		(% w/w)
	Registration number		
Urea,N,N"-(methylenedi-4,1-	77703-56-1	Aquatic Chronic 4;	>= 2,5 - < 5
phenylene)bis[N'-butyl-	416-600-4	H413	
	01-0000016345-72-		
	XXXX		
Hardener LI (Isophoronedial-	932742-30-8	Skin Sens. 1B; H317	>= 0,5 - < 1
dimine)	700-071-4	Aquatic Chronic 3;	
	UK-01-4889597125-	H412	
	6-0001		



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4,4'-methylenediphenyl diisocya- nate	101-68-8 202-966-0 01-2119457014-47- XXXX	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 specific concentration limit Eye Irrit. 2; H319 >= 5 % STOT SE 3; H335 >= 5 % Skin Irrit. 2; H315 >= 5 % Resp. Sens. 1; H334 >= 0,1 %	< 0,1
		Acute toxicity esti- mate	
		Acute inhalation tox- icity (dust/mist): 1,5 mg/l	



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$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	m-tolylidene diisocyanate	01-2119454791-34- XXXX	Eye Irrit. 2; H319 Resp. Sens. 1; H334 Skin Sens. 1; H317 Carc. 2; H351 STOT SE 3; H335 (Respiratory system) Aquatic Chronic 3; H412 specific concentration limit Resp. Sens. 1; H334 >= 0,1 % Acute toxicity esti- mate Acute inhalation tox- icity (vapour): 0,107	>= 0,025 - < 0,1	

For explanation of abbreviations see section 16.

# **SECTION 4: First aid measures**

## 4.1 Description of first aid measures

General advice	:	No hazards which require special first aid measures.
If inhaled	:	Move to fresh air.
In case of skin contact	:	Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water.
In case of eye contact	:	Remove contact lenses. Keep eye wide open while rinsing.
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 e	ffects, both acute and delayed
Symptoms	:	See Section 11 for more detailed information on health effects and symptoms.



No known significant effects or hazards. <b>ical attention and special treatment needed</b> Treat symptomatically. <b>PS</b> In case of fire, use water/water spray/water jet ide/sand/foam/alcohol resistant foam/chemica	t/carbon diox-
Treat symptomatically.	t/carbon diox-
es In case of fire, use water/water spray/water jet	
In case of fire, use water/water spray/water jet	
extinction.	
substance or mixture	
No hazardous combustion products are known	n
In the event of fire, wear self-contained breath	ing apparatus.
Standard procedure for chemical fires.	
	No hazardous combustion products are known

# **SECTION 6: Accidental release measures**

6.1 Personal precautions, prote Personal precautions	ctive equipment and emergency procedures : For personal protection see section 8.
6.2 Environmental precautions	
Environmental precautions	: No special environmental precautions required.
6.3 Methods and material for co	ntainment and cleaning up
Methods for cleaning up	: Wipe up with absorbent material (e.g. cloth, fleece). 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

Advice on safe handling : For personal protection see section 8.



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		No special handling advice required. Follow standard hygiene measures when handlin products	g chemical	
Advice on protection against fire and explosion	:	Normal measures for preventive fire protection.		
Hygiene measures	:	When using do not eat or drink. When using do n	ot smoke.	
7.2 Conditions for safe storage, including any incompatibilities				
Requirements for storage areas and containers	:	Keep container tightly closed in a dry and well-ve place. Store in accordance with local regulations.		
Advice on common storage	:	No special restrictions on storage with other prod	ucts.	
Further information on stor- age stability	:	No decomposition if stored and applied as directed	ed.	
7.3 Specific end use(s)				
Specific use(s)	:	Consult most current local Product Data Sheet pruse.	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 *	
4,4'-methylenediphenyl diisocyanate	101-68-8	TWA	0,02 mg/m3 (NCO)	GB EH40	
	Further inform	ation: Capable of ca	ausing occupation	al asthma.	
		STEL	0,07 mg/m3 (NCO)	GB EH40	
m-tolylidene diisocyanate	26471-62-5	TWA	0,02 mg/m3 (NCO)	GB EH40	
	Further information: Substances that can cause occupational asthma (also known as asthmagens and respiratory sensitis can induce a state of specific airway hyper-responsiveness immunological irritant or other mechanism. Once the airways become hyper-responsive, further exposure to the substance sometimes even in tiny quantities, may cause respiratory syn toms. These symptoms can range in severity from a runny n asthma. Not all workers who are exposed to a sensitiser will come hyper-responsive and it is impossible to identify in adv those who are likely to become hyper-responsive. Substance that can cause occupational asthma should be distinguished				



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\*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- ters	Sampling time	Basis
4,4'-methylenediphenyl diisocyanate	101-68-8	isocyanate- derived diamine (Isocyanates): 1 µmol/mol creati- nine (Urine)	At the end of the period of expo- sure	GB EH40 BAT
m-tolylidene diisocyanate	26471-62-5	isocyanate- derived diamine (Isocyanates): 1 µmol/mol creati- nine (Urine)	At the end of the period of expo- sure	GB EH40 BAT

#### 8.2 Exposure controls

## **Engineering measures**

Maintain air concentrations below occupational exposure standards. Ensure adequate ventilation, especially in confined areas.

# Personal protective equipment



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Eye/face protection	: Safety glasses	
Hand protection	: Chemical-resistant, impervious gloves con proved standard must be worn at all times chemical products. Reference number EN facturer specifications.	when handling
	Butyl rubber/nitrile rubber gloves (> 0,1 mr Recommended: Butyl rubber/nitrile rubber	
Skin and body protection	: Protective clothing (e.g. Safety shoes acc. long-sleeved working clothing, long trouse and protective boots are additionally recom and stirring work.	ers). Rubber aprons
Respiratory protection	<ul> <li>In case of inadequate ventilation wear resp Respirator selection must be based on known exposure levels, the hazards of the product ing limits of the selected respirator. organic vapor filter (Type A) A1: &lt; 1000 ppm; A2: &lt; 5000 ppm; A3: &lt; 10 Ensure adequate ventilation. This can be a exhaust extraction or by general ventilation ods for determining inhalation exposure). ticular to the mixing / stirring area. In case to keep the concentrations under the occur limits then respiration protection measures</li> </ul>	own or anticipated ct and the safe work- 0000 ppm achieved by local n. (EN 689 - Meth- This applies in par- this is not sufficent upational exposure
Environmental exposure co	trols	

# Environmental exposure controls

General advice

: No special environmental precautions required.

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

# 9.1 Information on basic physical and chemical properties

	Physical state Appearance Colour	:	liquid paste various
	Odour	:	slight
	Melting point/range / Freezing point	:	No data available
	Boiling point/boiling range	:	No data available
<u>.</u>	Flammability (solid, gas)	:	No data available



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## Upper/lower flammability or explosive limits

Upper explosion limit / Upper flammability limit	:	No data available
Lower explosion limit / Lower flammability limit	:	No data available
Flash point	:	> 101 °C Method: closed cup
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
рН	:	Not applicable substance/mixture is non-soluble (in water)
Viscosity Viscosity, kinematic	:	> 20,5 mm2/s (40 °C)
<b>Solubility(ies)</b> Water solubility	:	insoluble
Partition coefficient: n- octanol/water	:	No data available
Vapour pressure	:	0,01 hPa
Density	:	ca. 1,31 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	reactivity	
10.1 Reactivity		
No dangerous reaction kno	wn 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	: Avoid moisture.	
10.5 Incompatible materials		
Materials to avoid	: No data available	
10.6 Hazardous decompositio	n products	
No decomposition if stored	and applied as directed.	

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

# Acute toxicity

Not classified due to lack of data.

# **Components:**

#### Urea,N,N"-(methylenedi-4,1-phenylene)bis[N'-butyl-: I D50 Oral (Pat): > 2 000 r

Acute oral toxicity	•	LD50 Oral (Rat): > 2.000 mg/kg Method: OECD Test Guideline 401
Acute dermal toxicity	:	LD50 Dermal (Rabbit): > 2.000 mg/kg Method: OECD Test Guideline 402
Hardener LI (Isophoronedialdimine):		

Acute oral toxicity	:	LD50 Oral (Rat): > 2.000 mg/kg
Acute dermal toxicity	:	LD50 Dermal (Rabbit): > 2.000 mg/kg

# 4,4'-methylenediphenyl diisocyanate:

Acute oral toxicity	:	LD50 Oral (Rat): > 5.000 mg/kg
		Method: OECD Test Guideline 401



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Acute inhalation toxicity :	LC50: 1,5 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: Expert judgement Acute toxicity estimate: 1,5 mg/l	
	Test atmosphere: dust/mist Method: Calculation method	
m-tolylidene diisocyanate:		
Acute inhalation toxicity :	LC50 (Rat): 0,107 mg/l Exposure time: 4 h Test atmosphere: vapour	
	Acute toxicity estimate: 0,107 mg/l Test atmosphere: vapour Method: Calculation method	
Skin corrosion/irritation Not classified due to lack of data		
Serious eye damage/eye irritat Not classified due to lack of data		
Respiratory or skin sensitisation	on	
Skin sensitisation Not classified due to lack of data		
<b>Respiratory sensitisation</b> Not classified due to lack of data		
Germ cell mutagenicity Not classified due to lack of data		
<b>Carcinogenicity</b> Not classified due to lack of data		
<b>Reproductive toxicity</b> Not classified due to lack of data		
STOT - single exposure Not classified due to lack of data		
STOT - repeated exposure Not classified due to lack of data		
<b>Aspiration toxicity</b> Not classified due to lack of data		



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11.2 Information on other h	azards		
Endocrine disrupting p	roperties		
Product:			
Assessment	ered to	bstance/mixture does not con have endocrine disrupting pr H Article 57(f) or Commission	operties according to

levels of 0.1% or higher.

(EU) 2017/2100 or Commission Regulation (EU) 2018/605 at

# **SECTION 12: Ecological information**

## 12.1 Toxicity

## **Components:**

#### Urea,N,N"-(methylenedi-4,1-phenylene)bis[N'-butyl-:

Toxicity to fish	:	LC50 (Brachydanio rerio (zebrafish)): > 250 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): > 100 mg/l Exposure time: 48 h
Toxicity to algae/aquatic plants	:	EC50 (Raphidocelis subcapitata (freshwater green alga)): > 100 mg/l Exposure time: 72 h
Hardener LI (Isophoronedialdimine):		

#### Hardener LI (Isophoronedialdimine):

Toxicity to fish	:	LC50 (Fish): 87,2 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia (water flea)): > 100 mg/l Exposure time: 48 h
Toxicity to algae/aquatic plants	:	EC50 (Desmodesmus subspicatus (green algae)): 180,4 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



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12.5 Results of PBT and vPvB as	ses	sment	
Product:			
Assessment	:	This substance/mixture contains no compon to be either persistent, bioaccumulative and very persistent and very bioaccumulative (vF 0.1% or higher	toxic (PBT), or
12.6 Endocrine disrupting prope	rtie	5	
Product:			
Assessment	:	The substance/mixture does not contain con ered to have endocrine disrupting properties REACH Article 57(f) or Commission Delegat (EU) 2017/2100 or Commission Regulation levels of 0.1% or higher.	according to ted regulation
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	or minimized

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 10 waste adhesives and sealants other than those mentioned in 08 04 09

# **SECTION 14: Transport information**

# 14.1 UN number or ID number



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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	
14.2 UN proper shipping nar	ne		
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 dange	rous go	od	
<b>14.6 Special precautions for</b> Not applicable	user		
14.7 Maritime transport in bu		-	
Not applicable for product	t as sup	plied.	

# **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)	<ul> <li>Conditions of restriction for the following entries should be considered: 4,4'-methylenediphenyl diisocyanate (Number on list 74, 56) m-tolylidene diisocyanate (Number on list 74) 1,2-Benzenedicarboxylic acid, di-C9- 11-branched alkyl esters, C10-rich (Number on list 52)</li> </ul>
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UK REACH Candidate list of sub concern (SVHC) for Authorisatior		licable		
The Persistent Organic Pollutants Regulation (EU) 2019/1021 as ar ain)		licable		
International Chemical Weapons Schedules of Toxic Chemicals ar		licable		
Regulation (EC) No 1005/2009 of plete the ozone layer	n substances that de- : Not appl	licable		
UK REACH List of substances su (Annex XIV)	UK REACH List of substances subject to authorisation : Not applicable (Annex XIV)			
GB Export and import of hazardous chemicals - Prior : Not applicable Informed Consent (PIC) Regulation				
Control of Major Accident Hazard 2015 (COMAH)	Control of Major Accident Hazards Regulations Not applicable			
Volatile organic compounds :	Law on the incentive tax for volatile (VOCV) no VOC duties	organic compounds		
	Directive 2010/75/EU of 24 November emissions (integrated pollution prev 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:	Environmental Protection Act 1990 Health and Safety at Work Act 1974 Control of Substances Hazardous to (COSHH) May be subject to the Control of Ma Regulations (COMAH), and amende	& Subsidiary Regulations b Health Regulations jor Accident Hazards		

## 15.2 Chemical safety assessment

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



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# **SECTION 16: Other information**

Full text of H-Statements		
H315		Causes skin irritation.
H317	:	May cause an allergic skin reaction.
H319	:	Causes serious eye irritation.
H330	:	Fatal if inhaled.
H332	:	Harmful if inhaled.
H334	:	May cause allergy or asthma symptoms or breathing difficul-
1554	•	ties if inhaled.
1225		
H335	:	May cause respiratory irritation.
H351	:	Suspected of causing cancer.
H373	·	May cause damage to organs through prolonged or repeated
11440		exposure if inhaled.
H412	•	Harmful to aquatic life with long lasting effects.
H413	:	May cause long lasting harmful effects to aquatic life.
Full text of other abbreviation	ons	
Acute Tox.	:	Acute toxicity
Aquatic Chronic	:	Long-term (chronic) aquatic hazard
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
EC50		Half maximal effective concentration
GHS	÷	Globally Harmonized System
IATA	:	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
2000	•	air that kills 50% of the test animals during the observation
		period)
MARPOL		International Convention for the Prevention of Pollution from
	•	Ships, 1973 as modified by the Protocol of 1978
OEL		Occupational Exposure Limit
PBT	:	Persistent, bioaccumulative and toxic
PNEC	:	Predicted no effect concentration
	•	



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REACH	<ul> <li>Regulation (EC) No 1907/2006 of the Eu and of the Council of 18 December 2006 istration, Evaluation, Authorisation and F cals (REACH), establishing a European</li> </ul>	concerning the Reg- Restriction of Chemi-
SVHC	: Substances of Very High Concern	
vPvB	: Very persistent and very bioaccumulative	e

# **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