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

#### **1.1 Product identifier**

Trade name

Sikafloor<sup>®</sup>-3240/3240 ECF/324 Part B

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

Product use : Polyurethane coating

#### 1.3 Details of the supplier of the safety data sheet

Company name of supplier	:	Sika Nederland B.V.
		Zonnebaan 56
		3542 EG Utrecht
		Nederland
Telephone	:	+31-30-2410120
Telefax	:	+31-30-2414482
E-mail address of person	:	EHS@nl.sika.com
responsible for the SDS		

#### **1.4 Emergency telephone number**

+31-57-0854201

## **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.



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#### 2.2 Label elements

	Labelling (REGULATION (EC) No 1272/2008)		
Hazard pictograms	:		!
Signal word	:	Danger	
Hazard statements	:	H317 May H319 Caus H332 Harr H334 May ing c H335 May H351 Susp H373 May	ses skin irritation. cause an allergic skin reaction. ses serious eye irritation. nful if inhaled. cause allergy or asthma symptoms or breath- difficulties if inhaled. cause respiratory irritation. bected of causing cancer. cause damage to organs through prolonged epeated exposure.
Precautionary statements	:	<b>Prevention:</b> P201 P260 P264 P280 <b>Response:</b> P304 + P340 + P	air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell.
		P342 + P311	If experiencing respiratory symptoms: Call a POISON CENTER/ doctor.

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

Diphenylmethanediisocyanate, isomeres and homologues methylenediphenyl diisocyanate

## **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

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; H373Specific concentration limit Eye Irrit. 2; H319 >= 5 %specific concentration limit Resp. Sens. 1; H334 >= 0,1 %specific concentration limit 	>= 40 - < 60

## SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878

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methylenediphenyl diisocyanate	26447-40-5 905-806-4 01-2119457015-45- 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 % specific concentration limit STOT SE 3; H335 >= 5 % specific concentration limit Skin Irrit. 2; H315 >= 5 % specific concentration limit Resp. Sens. 1; H334 >= 0,1 %	>= 40 - < 60

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	:	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.

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In case of eye contact	<ul> <li>Immediately flush eye(s) with plenty of Remove contact lenses.</li> <li>Keep eye wide open while rinsing.</li> <li>If eye irritation persists, consult a spe</li> </ul>	
If swallowed	<ul> <li>Do not induce vomiting without medic Rinse mouth with water.</li> <li>Do not give milk or alcoholic beverag Never give anything by mouth to an u</li> </ul>	es.
4.2 Most important symptoms	and effects, both acute and delayed	
Symptoms	<ul> <li>Asthmatic appearance Cough Respiratory disorder Allergic reactions Excessive lachrymation Erythema Headache Dermatitis See Section 11 for more detailed info and symptoms.</li> </ul>	ormation 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. Suspected of causing cancer. May cause damage to organs through exposure.	
4.3 Indication of any immedia	e medical attention and special treatment	t needed
Treatment	: Treat symptomatically.	-

5.1	Extin	guishing	media
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Suitable extinguishing media : In case of fire, use water/water spray/water jet/carbon dioxide/sand/foam/alcohol resistant foam/chemical powder for extinction.

### 5.2 Special hazards arising from the substance or mixture

Hazardous combustion prod- : No hazardous combustion products are known



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:	In the event of fire, wear self-contained breathing apparatus.
:	Standard procedure for chemical fires.
:	

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## N 6: Accidental release measures

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## 6.1 Personal precautions, protective equipment and emergency procedures

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

## 6.3 Methods and material for containment and cleaning up

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

Advice on safe handling	<ul> <li>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.</li> <li>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</li> </ul>
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Advice on protection against fire and explosion	:	Normal measures for preventive fire protection.	
Hygiene measures	:	Handle in accordance with good industrial hygien practice. When using do not eat or drink. When u smoke. Wash hands before breaks and at the en-	ising do not
7.2 Conditions for safe storage, in	ncl	uding any incompatibilities	
Requirements for storage areas and containers	:	Keep container tightly closed in a dry and well-ve place. Containers which are opened must be care sealed and kept upright to prevent leakage. Store ance with local regulations.	efully re-
Further information on stor- age stability	:	No decomposition if stored and applied as directed	∂d.
7.3 Specific end use(s)			
Specific use(s)	:	Cleaning with aprotic polar solvents must be avoi Consult most current local Product Data Sheet pr 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 *
Diphenylmethanediisocyanate, isomeres and homologues	9016-87-9	AGW (Inhalable fraction)	0,05 mg/m3 (MDI)	DE TRGS 900
	Further information: Senate commission for the review of com- pounds at the work place dangerous for the health has also estab- lished a BEI-value for the same OEL value in the 'MAK- and BAT- value list'			

\*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 approved standard must be worn at all times when handling chemical products. Reference number EN 374. Follow manu-

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	facturer specifications.	
	Suitable for short time use or pro Butyl rubber/nitrile rubber gloves Contaminated gloves should be Suitable for permanent exposure Viton gloves (0.4 mm), breakthrough time >30 min.	s (> 0,1 mm) removed.
Skin and body protection	: Protective clothing (e.g. Safety s long-sleeved working clothing, lo and protective boots are addition and stirring work.	ong trousers). Rubber aprons
Respiratory protection	<ul> <li>In case of inadequate ventilation Respirator selection must be bas exposure levels, the hazards of t ing limits of the selected respirate Use a properly fitted NIOSH app respirator complying with an app sessment indicates this is necess organic vapor filter (Type A) A1: &lt; 1000 ppm; A2: &lt; 5000 ppm Ensure adequate ventilation. Thi exhaust extraction or by general ods for determining inhalation ex ticular to the mixing / stirring area to keep the concentrations under limits then respiration protection Ensure adequate ventilation, esp</li> </ul>	sed on known or anticipated the product and the safe work- or. proved air-purifying or air-fed proved standard if a risk as- sary. n; A3: < 10000 ppm is can be achieved by local ventilation. (EN 689 - Meth- cposure). This applies in par- a. In case this is not sufficent r the occupational exposure measures must be used.
Environmental exposure co	ntrols	
General advice	: Do not flush into surface water o If the product contaminates rivers	

respective authorities.

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

#### 9.1 Information on basic physical and chemical properties

Physical state Colour	:	liquid light brown
Odour	:	musty
Melting point/ range / Freez- ing point	:	No data available

Boiling point/boiling range : No data available

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	Flammability (solid, gas)	:	No data available
	Upper/lower flammability or e	exp	losive limits
	Upper explosion limit / Up- per flammability limit	:	No data available
	Lower explosion limit / Lower flammability limit	:	No data available
	Flash point	:	> 150 °C Method: open cup
	Auto-ignition temperature	:	No data available
	Decomposition temperature	:	No data available
	рН	:	Not applicable substance/mixture is non-soluble (in water)
	Viscosity		
	Viscosity, dynamic	:	70 - 90 mPa.s (20 °C)
	Viscosity, kinematic	:	> 20,5 mm2/s (40 °C)
	<b>Solubility(ies)</b> Water solubility	:	insoluble

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Partition coefficient: n-	:	No data available
octanol/water		

Vapour pressure	: 0,01 hPa
Density	: ca. 1,18 g/cm3 (20 °C)
Relative vapour density	: No data available
Particle characteristics	: No data available

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#### 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

Hazardaya raadiana		No bozarda ta ba apagially montionad
Hazardous reactions	•	No hazards to be specially mentioned.

#### 10.4 Conditions to avoid

#### **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:

#### 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.



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## 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.

### 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:

### 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

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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**

Product: 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 levels of 0.1% or higher.
12.7 Other adverse effects		

#### Product:

Additional ecological infor- : There is no data available for this product. mation

### **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



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	soil, waterways, drains and sewers.	
European Waste Catalogue	: 08 05 01* waste isocyanates	
Contaminated packaging	: 15 01 10* packaging containing residues oby dangerous substances	of or 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		
<b>14.5 Environmental hazards</b> Not regulated as a dangerous good				
14.6 Special precautions for user Not applicable				
14.7 Maritime transport in bulk according to IMO instruments				

# 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

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International Chemical Weapons Schedules of Toxic Chemicals an		:	Not applicable		
REACH Information:	CH Information: All substances contained in our Products are - registered by our upstream suppliers, and/or - registered by us, and/or - excluded from the regulation, and/or - exempted from the registration.				
REACH - Restrictions on the mar the market and use of certain dar mixtures and articles (Annex XVII	igerous substances,	:	Conditions of restriction for the fol- lowing entries should be considered: Number on list 3		
			Number on list 75: Banned and/or restricted		
REACH - Candidate List of Subst Concern for Authorisation (Article		:	None of the components are listed (=> 0.1 %).		
REACH - List of substances subje (Annex XIV)	ect to authorisation	:	Not applicable		
Regulation (EC) on substances th layer	nat deplete the ozone	:	Not applicable		
Regulation (EU) 2019/1021 on pe tants (recast)	ersistent organic pollu-	:	Not applicable		
Regulation (EU) No 649/2012 of t ment and the Council concerning of dangerous chemicals		:	Not applicable		
Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of ma- jor-accident hazards involving dangerous substances. Not applicable					
Volatile organic compounds :	Law on the incentive t (VOCV) no VOC duties	ax fo	or volatile organic compounds		
			4 November 2010 on industrial ution prevention and control)		

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## 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		Causes skin irritation.
H317		May cause an allergic skin reaction.
H319		Causes serious eye irritation.
H332	:	Harmful if inhaled.
H334	:	May cause allergy or asthma symptoms or breathing difficul-
	•	ties if inhaled.
H335	:	May cause respiratory irritation.
H351	:	Suspected of causing cancer.
H373	:	May cause damage to organs through prolonged or repeated exposure.
H373	:	May cause damage to organs through prolonged or repeated exposure if inhaled.
Full text of other abbreviati	ons	
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
DE TRGS 900	:	Germany. TRGS 900 - Occupational exposure limit values.
DE TRGS 900 / AGW	:	Time Weighted Average
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
2000	•	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)
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
··· <b>···</b>	•	

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according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878

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SVHC vPvB	<ul> <li>cals (REACH), establic</li> <li>Substances of Very H</li> <li>Very persistent and vertices</li> </ul>	5	cals Agency
Further information			
Classification of the mixtu	ıre:	Classification proced	lure:
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 !

NL / EN