

Version 2.0

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

## 1.1 Product identifier

Trade name	<sup>:</sup> Sikafloor <sup>®</sup> -304 W/Matt//305 W/ESD//306 W Part B
Substance name	: Aliphatic polyisocyanate
CAS-No.	: 160994-68-3

## 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 Poland Spółka z o.o.
	Karczunkowska 89
	02-871 Warszawa
Telephone	: +48 22 27 28 700
Telefax	: +48 22 27 28 800
E-mail address of person	: EHS@pl.sika.com
responsible for the SDS	

## 1.4 Emergency telephone number

112

## **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 sensitisation, Category 1	H317: May cause an allergic skin reaction.						
Specific target organ toxicity - single exposure, Category 3, Respiratory system	H335: May cause respiratory irritation.						
Long-term (chronic) aquatic hazard, Cat- egory 3	H412: Harmful to aquatic life with long lasting effects.						

## 2.2 Label elements

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



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Hazard pictograms	:			
Signal word	:	Warning		
Hazard statements	:	H317 H332 H335 H412	May cause an allergic skin reac Harmful if inhaled. May cause respiratory irritation. Harmful to aquatic life with long fects.	
Precautionary statements	:	<b>Prevention:</b> P261 P273 P280	Avoid breathing mist or vapours Avoid release to the environmen Wear protective gloves.	
		<b>Response:</b> P304 + P340 + F P333 + P313 P362 + P364	P312 IF INHALED: Remove pe air and keep comfortable for bre POISON CENTER/ doctor if you If skin irritation or rash occurs: 0 advice/ attention. Take off contaminated clothing before reuse.	eathing. Call a u feel unwell. Get medical

### 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**

## 3.1 Substances

CAS-No. : 160994-68-3

### Components

Chemical name	CAS-No.	Concentration (%	M-Factor, SCL, ATE
	EC-No.	w/w)	



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Aliphatic polyisocyanate	160994-68-3 Not Assigned	100	Acute toxicity estimate Acute inhalation toxici- ty (dust/mist): 1,5 mg/l
hexamethylene-di- isocyanate	822-06-0 212-485-8	< 0,1	specific concentration limit Resp. Sens. 1; H334 >= 0,5 % Skin Sens. 1; H317 >= 0,5 % Acute toxicity estimate Acute oral toxicity: 746 mg/kg Acute inhalation toxici- ty (vapour): 0,124 mg/l

## **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 2 Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. If symptoms persist, call a physician. In case of eye contact Remove contact lenses. : Keep eye wide open while rinsing. If eye irritation persists, consult a specialist. 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 effects, both acute and delayed Symptoms Cough Respiratory disorder Allergic reactions Country PL 10000041393



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	Headache See Section 11 for more detailed and symptoms.	information on health effects
Risks	irritant effects sensitising effects	
	May cause an allergic skin reaction Harmful if inhaled. May cause respiratory irritation.	on.
4.3 Indication of any immediate n	dical attention and special treatn	nent needed
Treatment	Treat symptomatically.	
SECTION 5: Firefighting meas	res	
5.1 Extinguishing media		
Suitable extinguishing media	In case of fire, use water/water sp ide/sand/foam/alcohol resistant fo extinction.	
5.2 Special hazards arising from	e substance or mixture	
Hazardous combustion prod- ucts	No hazardous combustion produc	cts are known
5.3 Advice for firefighters		
Special protective equipment for firefighters	In the event of fire, wear self-cont	tained breathing apparatus.
Further information	Standard procedure for chemical	fires.
SECTION 6: Accidental release	measures	
6.1 Personal precautions, protect	e equipment and emergency pro	cedures
Personal precautions	Use personal protective equipme Deny access to unprotected pers	
6.2 Environmental precautions		
Environmental precautions	Do not flush into surface water or If the product contaminates rivers respective authorities.	
6.3 Methods and material for con	inment and cleaning up	
Methods for cleaning up	Soak up with inert absorbent mat acid binder, universal binder, saw Keep in suitable, closed containe	/dust).



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### 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 exceeding the given occupational exposure limits (see section 8).</li> <li>Do not get in eyes, on skin, or on clothing.</li> <li>For personal protection see section 8.</li> <li>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.</li> <li>Provide sufficient air exchange and/or exhaust in work rooms.</li> <li>Follow standard hygiene measures when handling chemical products</li> </ul>
	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, i	ncl	uding any incompatibilities
	Requirements for storage areas and containers	:	Keep container tightly closed in a dry and well-ventilated 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)	:	Consult most current local Product Data Sheet prior to any use.

# SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

### **Occupational Exposure Limits**

Components	CAS-No.	Value type (Form	Control parame-	Basis *
Country PL 100000041393				5 / 15



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		of exposure)	ters *	
hexamethylene-di-isocyanate	822-06-0	NDS	0,04 mg/m3	PL OEL
	Further infor	mation: Skin		
		NDSch	0,08 mg/m3	PL OEL

\*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

concentrations below occupational exposure standards 

Maintain air concentrations I Ensure adequate ventilation		v 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 ap- proved standard must be worn at all times when handling chemical products. Reference number EN 374. Follow manu- facturer 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. 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. Ensure adequate ventilation, especially in confined areas.
Environmental exposure c	ontro	bls
General advice	:	Do not flush into surface water or sanitary sewer system. If the product contaminates rivers and lakes or drains inform

respective authorities.



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

### 9.1 Information on basic physical and chemical properties

Physical state Colour	:	liquid colourless
Odour	:	odourless
Melting point/range / Freezing point	:	No data available
Boiling point/boiling range	:	> 200 °C

Flammability (solid, gas) : No data available

### 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 reacts with 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	:	



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	0,01 hPa	
Density	: ca. 1,16 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 r	eactivity	
10.1 Reactivity		
No dangerous reaction know	n under conditions of normal use.	
10.2 Chemical stability		
The product is chemically s	able.	
10.3 Possibility of hazardous r	actions	
Hazardous reactions	: No hazards to be specially men	tioned.

# 10.4 Conditions to avoid

Conditions to avoid	:	No data available
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## 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:

# Aliphatic polyisocyanate:

Acute inhalation toxicity

: LC50: 1,5 mg/l Exposure time: 4 h Test atmosphere: dust/mist



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e ui lasi issue. 24.02.2025	
	Method: Expert judgement
	Acute toxicity estimate: 1,5 mg/l Test atmosphere: dust/mist Method: Calculation method
hexamethylene-di-isocyanate:	
Acute oral toxicity :	LD50 Oral (Rat): 746 mg/kg
	Acute toxicity estimate: 746 mg/kg Method: Calculation method
Acute inhalation toxicity :	LC50 (Rat): 0,124 mg/l Exposure time: 4 h Test atmosphere: vapour
	Acute toxicity estimate: 0,124 mg/l Test atmosphere: vapour Method: Calculation method
Acute dermal toxicity :	LD50 Dermal (Rat): > 7.000 mg/kg
Skin corrosion/irritation Not classified due to lack of data.	
Serious eye damage/eye irritati Not classified due to lack of data.	
Respiratory or skin sensitisation	on
Skin sensitisation	
May cause an allergic skin reaction	on.
Respiratory sensitisation	
Not classified due to lack of data.	
Germ cell mutagenicity Not classified due to lack of data.	
Carcinogenicity	
Not classified due to lack of data.	
Reproductive toxicity	
Not classified due to lack of data.	
STOT - single exposure	
May cause respiratory irritation.	
STOT - repeated exposure	
Not classified due to lack of data.	
Aspiration toxicity Not classified due to lack of data.	



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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:

#### Aliphatic polyisocyanate:

Toxicity to daphnia and other	:	EC50 (Daphnia magna (Water flea)): > 100 mg/l
aquatic invertebrates		Exposure time: 48 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 considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

#### 12.7 Other adverse effects

### Product:



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Additional ecological infor- mation	: An environmental hazard cannot be ex unprofessional handling or disposal. Harmful to aquatic life with long lasting	
	dowo4:000	

## **SECTION 13: Disposal considerations**

13.1 Waste treatment methods	
Product	<ul> <li>The generation of waste should be avoided or minimized wherever possible.</li> <li>Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way.</li> <li>Dispose of surplus and non-recyclable products via a licensed waste disposal contractor.</li> <li>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.</li> <li>Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.</li> </ul>
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)		
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		



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	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 dangerous	goc	od		
14.6	Special precautions for user 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

International Chemical Weapons Convention (CWC) : Not applicable Schedules of Toxic Chemicals and Precursors

REACH 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 ma the market and use of certain da mixtures and articles (Annex XVI	ngerous substances,	:	Conditions of restriction for the fol- lowing entries should be considered: Number on list 75, 3		
REACH - Candidate List of Subs Concern for Authorisation (Article		:	None of the components are listed (=> 0.1 %).		
REACH - List of substances subj (Annex XIV)	ject to authorisation	:	Not applicable		
Regulation (EC) No 1005/2009 o plete the ozone layer	on substances that de-	:	Not applicable		
Regulation (EU) 2019/1021 on p tants (recast)	ersistent organic pollu-	:	Not applicable		



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Regulation (EC) No 649/2012 of the European Parlia- : Not applicable ment and the Council concerning the export and import of dangerous chemicals

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances. Not applicable

Not applicable

Volatile organic compounds : Law on the incentive tax for volatile organic compounds (VOCV) no VOC duties

> Directive 2010/75/EU of 24 November 2010 on industrial emissions (integrated pollution prevention and control) Not applicable

### Other regulations:

Act of February 25, 2011 on chemical substances and their mixtures (i.e. Journal of Laws of 2020, item 2289)

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 (Official Journal of the European Union L 353 from 31.12.2008) with further adaptation to technical progress (ATP).

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC (Official Journal of the European Union L 396 from 30.12.2006, as amended).

Commission Regulation (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

Ordinance of the Minister of Family, Labour and Social Policy of 12 June 2018 concerning the highest allowable concentrations and levels of the agents harmful for health in the workplace (Dz.U 2018 pos 1286, with later amendments).

Ordinance of the Minister of Health of 2nd February 2011 concerning tests and measurement of agents harmful for health in the workplace (Dz. U. Nr. 33, item 166 with later amendments).

Ordinance of the Minister of Health of 30th December 2004 on the health and safety of workers related to chemical agents at work (consolidated text, Journal of Laws 2016 no. 0 item 1488)

Act of 14 December 2012. on Waste (Journal of Laws of 2013. pos. 21, as amended).

Act of 13 June 2013. On packaging and packaging waste (Journal. U. of 2013. Item. 888, as



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### amended).

Ordinance of the Minister of Climate of 2nd January 2020 on Waste Catalog (Dz. U. 2020 item 10).

Ordinance of the Minister of Environment on the requirements for carrying out the process of thermal treatment of waste and how to deal with waste produced in the process. (Dz. U. of 2016., Pos. 108)

Act of 19 August 2011 on transport of dangerous goods (Dz. U. Nr. 227, item 1367, as amended).

Government Statement of February 15, 2021 on the entry into force of amendments to Annexes A and B to Agreement concerning the International Carriage of Dangerous Goods by Road (ADR), drawn up in Geneva on September 30, 1957 (Journal of Laws 202 poz.874 as amended)

Act of July 29, 2005 on drug addiction prevention (Journal of Laws of 2005, No. 179, item 1485, with later amendments)

Regulation (EU) 2016/425 of the European Parliament and of the Council of 9 March 2016 on personal protective equipment and repealing Council Directive 89/686/EEC

### 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

PL OEL : Ordinance of the Minister of Family, Labor of 12 June 2018 concerning the highest al tions and levels of the agents harmful for I place (Dz.U 2018 pos 1286, with later amo	llowable concentra- health in the work-
PL OEL / NDS : Maximal Admissible Concentration	chaments)
PL OEL / NDSch : Maximal Admissible Temporary Concentra	ation
ADR : European Agreement concerning the Inter	
Dangerous Goods by Road	0
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	
LD50 : Median lethal dosis (the amount of a mate	
once, which causes the death of 50% (one test animals)	e half) of a group of
LC50 : Median lethal concentration (concentration	ns of the chemical in
air that kills 50% of the test animals during period)	g the observation
MARPOL : International Convention for the Preventio	n of Pollution from



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OEL PBT PNEC REACH	<ul> <li>Ships, 1973 as modified by the Protocol of 1978</li> <li>Occupational Exposure Limit</li> <li>Persistent, bioaccumulative and toxic</li> <li>Predicted no effect concentration</li> <li>Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Reg-</li> </ul>	
SVHC vPvB	<ul> <li>istration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency</li> <li>Substances of Very High Concern</li> <li>Very persistent and very bioaccumulative</li> </ul>	

### **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 !

PL/EN