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

1.1 Product identifier	
Trade name	Sikafloor [®] -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.
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1.3 Details of the supplier of the safety data sheet

Company name of supplier	:	Sika Limited Watchmead Welwyn Garden City Hertfordshire. AL7 1BQ
Telephone	:	+44 (0)1707 394444
Telefax	:	+44 (0)1707 329129
E-mail address of person responsible for the SDS	•	EHS@uk.sika.com

1.4 Emergency telephone number

National Chemical Emergency Centre (NCEC) 24 Hour Emergency Telephone Number +44 870 190 6777

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)			
Acute toxicity, Category 4	H332: Harmful if inhaled.		
Skin sensitisation, Category 1	H317: May cause an allergic skin reaction.		
Specific target organ toxicity - single ex- posure, 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 :	Prevention: P261 P273 P280 Pasponso:	Avoid breathing mist or vapours Avoid release to the environmer Wear protective gloves.	
	Response: P304 + P340 + F	P312 IF INHALED: Remove pe air and keep comfortable for bre POISON CENTER/ doctor if you	eathing. Call a
	P333 + P313 P362 + P364	If skin irritation or rash occurs: C advice/ attention. Take off contaminated clothing a before reuse.	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



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Components

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



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4.2 Most important symptoms and effects, both acute and delayed

Symptoms	: Cough Respiratory disorder Allergic reactions Headache See Section 11 for more detailed information on health effects and symptoms.
Risks	: irritant effects sensitising effects
	May cause an allergic skin reaction. Harmful if inhaled. May cause respiratory irritation.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment

: Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media Suitable extinguishing media	:	In case of fire, use water/water spray/water jet/carbon diox- ide/sand/foam/alcohol resistant foam/chemical powder for extinction.
5.2 Special hazards arising from	the	e substance or mixture
Hazardous combustion prod- ucts	:	No hazardous combustion products are known
5.3 Advice for firefighters		
Special protective equipment for firefighters	:	In the event of fire, wear self-contained breathing apparatus.
Further information	:	Standard procedure for chemical fires.

SECTION 6: Accidental release measures

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.
	·	Do not hush into surface water of samary sewer system.



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	If the product contaminates rivers and lakes or drains inform respective authorities.	
6.3 Methods and material for conta	ainment and cleaning up	
Methods for cleaning up	 Soak up with inert absorbent material (e.g acid binder, universal binder, sawdust). Keep in suitable, closed containers for dis 	C

6.4 Reference to other sections

For personal protection see section 8.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

	Advice on safe handling	:	Avoid 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. Smoking, eating and drinking should be prohibited in the ap- plication area. Provide sufficient air exchange and/or exhaust in work rooms. Follow standard hygiene measures when handling chemical products
	Advice on protection against fire and explosion	:	Normal measures for preventive fire protection.
	Hygiene measures	:	Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday.
7.2	Conditions for safe storage, in	nclu	uding any incompatibilities
	Requirements for storage 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)



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Specific use(s)	: Consult most current local Product Dat use.	ta Sheet prior 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 *
hexamethylene-di-isocyanate	822-06-0	TWA	0,02 mg/m3 (NCO)	GB EH40
	asthma (also k can induce a s immunological become hyper sometimes eve toms. These s asthma. Not al come hyper-re- those who are that can cause substances wh with pre-existin include the dis classified as a mation can be assessments of asthma., When stances that ca Where this is r standards of c responsive. For COSHH requir sonably practic centrations sho ment is being of employees exp may cause occ consultation w degree of risk pational asthm assigned only asthma in the bered that othe pational asthm	ation: Substances the state of specific airwe irritant or other mea- responsive, further en in tiny quantities, ymptoms can range II workers who are en- esponsive and it is in likely to become hy endocupational asthm inch may trigger the mg airway hyper-res- sease themselves. T sthmagens or respir found in the HSE p of the evidence for a rever it is reasonable an cause occupation for possible, the prin- ontrol to prevent wo or substances that c res that exposure be cable. Activities givin ould receive particul considered. Health s posed or liable to be cupational asthma a rith an occupational and level of surveilla a., The 'Sen' notational and level of surveilla a., HSE's asthma w .uk/asthma) provide STEL	hat can cause occ ns and respiratory ay hyper-respons chanism. Once the exposure to the s may cause respire in severity from a exposed to a sensi- npossible to identi- yper-responsive. In a should be distin- symptoms of asth- ponsiveness, but he latter substance ratory sensitisers. ublication Asthma agents implicated y practicable, exp- nal asthma should mary aim is to app orkers from becom- an cause occupate e reduced to as low ing rise to short-te- lar attention when surveillance is app e exposed to a sub- ance., Capable of on in the list of WE is which may cause in Table 1. It should in these tables may eb pages further informatic	v sensitisers) iveness via an e airways have substance, ratory symp- a runny nose to itiser will be- ify in advance Substances nguished from ma in people which do not ces are not Further infor- gen? Critical in occupational osure to sub- l be prevented. by adequate ing hyper- ional asthma, w as is rea- rm peak con- risk manage- propriate for all ostance which e appropriate al over the causing occu- ELs has been e occupational d be remem- y cause occu- on.
			0,07 mg/m3 (NCO)	GB EH40



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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
hexamethylene-di-isocyanate	822-06-0	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

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.



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Environmental exposure controls

General advice

: Do not flush into surface water or sanitary sewer system. If the product contaminates rivers and lakes or drains inform respective authorities.

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 e Upper explosion limit / Up- per flammability limit		
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)



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Solubility(ies) Water solubility	: insoluble	
Partition coefficient: n- octanol/water	: No data available	
Vapour pressure Density	: 0,01 hPa : 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 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:		
Aliphatic polyisocyanate: 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
hexamethylene-di-isocyana	te:	
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 da	ata.	
Serious eye damage/eye irri Not classified due to lack of da		
Respiratory or skin sensitis	atic	on
Skin sensitisation May cause an allergic skin rea	actio	on.
Respiratory sensitisation Not classified due to lack of da	ata.	



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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.		
11.2 Information on other hazards		
Endocrine disrupting properties	S	
Product:		
Assessment :	The substance/mixture does not contain ered to have endocrine disrupting proper REACH Article 57(f) or Commission Dele (EU) 2017/2100 or Commission Regulation levels of 0.1% or higher.	ties according to gated regulation

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:



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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 propert	12.6 Endocrine disrupting properties			
Product:				
Assessment	The substance/mixture does not contain component ered to have endocrine disrupting properties ac REACH Article 57(f) or Commission Delegated (EU) 2017/2100 or Commission Regulation (EU levels of 0.1% or higher.	cording to regulation		
12.7 Other adverse effects				
Product:				
Additional ecological infor- mation	An environmental hazard cannot be excluded ir unprofessional handling or disposal. Harmful to aquatic life with long lasting effects.	n the event of		

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 soil, waterways, drains and sewers.
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



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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 na	me		
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	: 1	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		1	
14.6 Special precautions for Not applicable	r user		
14.7 Maritime transport in b	ulk accor	ding to IMO instruments	
Not applicable for produc	t as suppl	ied.	

Relevant EU provisions transposed through retained EU law

UK REACH List of restrictions (Annex 17)	:	Not applicable
UK REACH Candidate list of substances of very high concern (SVHC) for Authorisation	:	Not applicable
The Persistent Organic Pollutants Regulations (retained Regulation (EU) 2019/1021 as amended for Great Brit- ain)	:	Not applicable



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International Chemical Weapons Schedules of Toxic Chemicals ar		: Not applicable			
Regulation (EC) No 1005/2009 o plete the ozone layer	n substances that de-	: Not applicable			
UK REACH List of substances su (Annex XIV)	ubject to authorisation	: Not applicable			
GB Export and import of hazardous chemicals - Prior : Not applicable Informed Consent (PIC) Regulation					
Control of Major Accident Hazarc 2015 (COMAH)	ls Regulations	Not applicable			
Volatile organic compounds :	Law on the incentive (VOCV) no VOC duties	tax for volatile organic cor	npounds		
Directive 2010/75/EU of 24 November 2010 on industrial emissions (integrated pollution prevention and control) 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 & Subsidiary Regulations Health and Safety at Work Act 1974 & Subsidiary Regulations Control of Substances Hazardous to Health Regulations (COSHH) May be subject to the Control of Major Accident Hazards					

15.2 Chemical safety assessment

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

Regulations (COMAH), and amendments.

SECTION 16: Other information

Full text of other abbreviations

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

Country GB 10000041393



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CAS DNEL EC50 GHS IATA	: :	Dangerous Goods by Road Chemical Abstracts Service Derived no-effect level Half maximal effective concentration Globally Harmonized System International Air Transport Association	
IMDG LD50	:	International Maritime Code for Dangerous (Median lethal dosis (the amount of a materia once, which causes the death of 50% (one h test animals)	ıl, given all at
LC50	:	Median lethal concentration (concentrations air that kills 50% of the test animals during the period)	
MARPOL	:	International Convention for the Prevention of Ships, 1973 as modified by the Protocol of 1	
OEL	:	Occupational Exposure Limit	
PBT	:	Persistent, bioaccumulative and toxic	
PNEC	:	Predicted no effect concentration	
REACH	:	Regulation (EC) No 1907/2006 of the Europ and of the Council of 18 December 2006 con istration, Evaluation, Authorisation and Rest cals (REACH), establishing a European Che	ncerning the Reg- riction of Chemi-
SVHC vPvB	:	Substances of Very High Concern	
VFVD	·	Very persistent and very bioaccumulative	

Further information

The information contained in this Safety Data Sheet corresponds to our level of knowledge at the time of publication. All warranties are excluded. Our most current General Sales Conditions shall apply. Please consult the product data sheet prior to any use and processing.

Changes as compared to previous version !

GB / EN