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

#### **1.1 Product identifier**

Trade name Sikalastic<sup>®</sup>-800 HA 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 Limited
		Watchmead Welwyn Garden City
		Hertfordshire. AL7 1BQ
Telephone	:	+44 (0)1707 394444
Telefax	:	+44 (0)1707 329129
E-mail address of person	:	EHS@uk.sika.com
responsible for the SDS		-

#### 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.
Respiratory sensitisation, Category 1	H334: May cause allergy or asthma symptoms or
1 5 7 - 5 5	breathing difficulties if inhaled.
Skin sensitisation, Category 1	H317: May cause an allergic skin reaction.

Skin sensitisation, Category 1

#### 2.2 Label elements

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

Hazard pictograms		
Signal word	: Danger	•
Hazard statements	: H317 H332 H334	May cause an allergic skin reaction. Harmful if inhaled. May cause allergy or asthma symptoms or breath- ing difficulties if inhaled.



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Precautionary statements :	<b>Prevention:</b> P261 P280 P284	Avoid breathing mist or vapours Wear protective gloves. In case of inadequate ventilation atory protection.	
	Response:		
	P304 + P340 + F	P312 IF INHALED: Remove per air and keep comfortable for bre POISON CENTER/ doctor if you	athing. Call a
	P333 + P313	If skin irritation or rash occurs: G advice/ attention.	Set medical
	P342 + P311	If experiencing respiratory symp POISON CENTER/ doctor.	toms: Call a

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

aliphatic prepolymer (d-polyether based) 3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate

#### 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.

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

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

#### 3.2 Mixtures

#### Components

Chemical name	CAS-No. EC-No. Registration number	Classification	Concentration (% w/w)
aliphatic prepolymer (d-polyether based)	39323-37-0 Not Assigned	Skin Sens. 1; H317	>= 60 - < 80



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3-isocyanatomethyl-3,5,5- trimethylcyclohexyl isocyanate	4098-71-9 223-861-6 01-2119490408-31- XXXX	Acute Tox. 1; H330 Skin Irrit. 2; H315 Eye Irrit. 2; H319 Resp. Sens. 1; H334 Skin Sens. 1; H317 STOT SE 3; H335 (Respiratory system) Aquatic Chronic 2; H411 $\longrightarrow$ specific concentration limit Resp. Sens. 1; H334 >= 0,5 % Skin Sens. 1; H317 >= 0,5 % Acute toxicity esti- mate Acute inhalation tox- icity (dust/mist):	>= 1 - < 2,5	
		0,031 mg/l		

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	<ul> <li>Take off contaminated clothing and shoes immediately.</li> <li>Wash off with soap and plenty of water.</li> <li>If symptoms persist, call a physician.</li> </ul>
In case of eye contact	<ul> <li>Remove contact lenses.</li> <li>Keep eye wide open while rinsing.</li> <li>If eye irritation persists, consult a specialist.</li> </ul>
If swallowed	<ul> <li>Do not induce vomiting without medical advice.</li> <li>Rinse mouth with water.</li> <li>Do not give milk or alcoholic beverages.</li> <li>Never give anything by mouth to an unconscious person.</li> </ul>



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#### 4.2 Most important symptoms and effects, both acute and delayed

Symptoms	:	Asthmatic appearance Respiratory disorder Allergic reactions Headache See Section 11 for more detailed information on health effects and symptoms.
Risks	:	sensitising effects May cause an allergic skin reaction. Harmful if inhaled. May cause allergy or asthma symptoms or breathing difficul- ties if inhaled.

#### 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 dioxide/sand/foam/alcohol resistant foam/chemical powder for extinction. 5.2 Special hazards arising from the substance or mixture Hazardous combustion prodNo hazardous combustion products are known Special protective equipment 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.			



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	If the product contaminates rivers and lake respective authorities.	es or drains inform
6.3 Methods and material for cont	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	<b>C</b>

#### 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.</li> <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	incl	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.

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## **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 *					
3-isocyanatomethyl-3,5,5- trimethylcyclohexyl isocyanate	4098-71-9	TWA	0,02 mg/m3 (NCO)	GB EH40					
	Further inform	ation: Substances t		upational					
		nown as asthmage							
		state of specific airw							
		irritant or other me							
				posure to the substance, ay cause respiratory symp-					
		ymptoms can range							
	asthma. Not a	ll workers who are e	exposed to a sens	itiser will be-					
	come hyper-re	sponsive and it is ir	npossible to ident	ify in advance					
	those who are	those who are likely to become hyper-responsive. Substances							
	that can cause	that can cause occupational asthma should be distinguished from							
	substances wh	substances which may trigger the symptoms of asthma in people							
		ng airway hyper-res							
		ease themselves. T							
		sthmagens or respi							
		found in the HSE p							
		agents implicated							
		rever it is reasonabl							
		stances that can cause occupational asthma should be prevented.							
		Where this is not possible, the primary aim is to apply adequate							
		standards of control to prevent workers from becoming hyper-							
		responsive. For substances that can cause occupational asthma,							
		COSHH requires that exposure be reduced to as low as is rea-							
		sonably practicable. Activities giving rise to short-term peak con-							
		centrations should receive particular attention when risk manage- ment is being considered. Health surveillance is appropriate for all							
	0								
		posed or liable to be							
		may cause occupational asthma and there should be appropriate							
		consultation with an occupational health professional over the							
		degree of risk and level of surveillance., Capable of causing occu-							
		pational asthma., The 'Sen' notation in the list of WELs has been							
		assigned only to those substances which may cause occupational asthma in the categories shown in Table 1. It should be remem-							
		er substances not ir		/ cause occu-					
		na. HSE's asthma w							
	(www.hse.gov.uk/asthma) provide further information.								
		STEL	0,07 mg/m3	GB EH40					
		1	(NCO)						

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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
3-isocyanatomethyl-3,5,5- trimethylcyclohexyl isocyanate	4098-71-9	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.

Eye/face protection Hand protection	:	Safety glasses with side-shields conforming to EN166 Eye wash bottle with pure water 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. Use a properly fitted NIOSH approved air-purifying or air-fed respirator complying with an approved standard if a risk as- sessment indicates this is necessary. 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.



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		Ensure adequate ventilation, especially in confined areas.					
Environmental exposure con	invironmental exposure controls						
General advice		Do not flush into surface water or sani If the product contaminates rivers and respective authorities.					
SECTION 9: Physical and cher	mic	al properties					
9.1 Information on basic physical	lan	d chemical properties					
Physical state	:	liquid					
Colour	:	colourless, light yellow					
Odour	:	mild					
Melting point/range / Freezing point	:	No data available					
Boiling point/boiling range	:	No data available					
Flammability (solid, gas)	:	No data available					
<b>Upper/lower flammability or</b> Upper explosion limit / Up- per flammability limit	-						
Lower explosion limit / Lower flammability limit	:	No data available					
Flash point	:	> 200 °C Method: closed cup					
Auto-ignition temperature	:	No data available					
Decomposition temperature	:	No data available					
рН	:	Not applicable					
<b>Viscosity</b> Viscosity, kinematic	:	> 7 mm2/s (40 °C)					
<b>Solubility(ies)</b> Water solubility	:	No data available					
Partition coefficient: n- octanol/water	:	No data available					
Vapour pressure	:	0,01 hPa					
Density	:	ca. 1,025 g/cm3 (20 °C)					



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Relative vapour density	: 1	No data available	
Particle characteristics	: 1	No data available	
<b>9.2 Other information</b> No data available			
SECTION 10: Stability and r	eactivit	ţy	
<b>10.1 Reactivity</b> No dangerous reaction know	/n unde	r conditions of normal use.	
<b>10.2 Chemical stability</b> The product is chemically st	able.		
10.3 Possibility of hazardous r	eaction	S	
Hazardous reactions		No hazards to be specially mentioned.	
10.4 Conditions to avoid			
Conditions to avoid	: 1	No data available	
10.5 Incompatible materials			
Materials to avoid	: 1	No data available	
<b>10.6 Hazardous decomposition</b> No decomposition if stored	-		
SECTION 11: Toxicological	inform	ation	
11.1 Information on hazard cla	sses as	defined in Regulation (EC) No 1272	/2008
Acute toxicity Harmful if inhaled.			
<u>Components:</u>			
aliphatic prepolymer (d-po Acute oral toxicity	-	<b>based):</b> D50 Oral (Rat): > 2.000 mg/kg	
3-isocyanatomethyl-3,5,5-	rimeth	/lcyclohexyl isocyanate:	
Acute oral toxicity	-	D50 Oral (Rat): 4.814 mg/kg	
Acute inhalation toxicity		C50 (Rat): 0,031 mg/l xposure time: 4 h	



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### **SECTION 12: Ecological information**

#### 12.1 Toxicity

#### **Components:**

#### aliphatic prepolymer (d-polyether based):

Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia (water flea)): > 100 mg/l
		NOEC (Daphnia (water flea)): > 100 mg/l
Toxicity to algae/aquatic plants	:	EC50 (algae): > 100 mg/l Exposure time: 72 h

:

#### 12.2 Persistence and degradability

No data available

#### 12.3 Bioaccumulative potential

No data available

#### 12.4 Mobility in soil

No data available

#### 12.5 Results of PBT and vPvB assessment

Product:

Assessmen	t
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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:

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

#### **SECTION 13: Disposal considerations**

#### 13.1 Waste treatment methods



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Product :	The generation of waste should be avoided of wherever possible. Empty containers or liners may retain some This material and its container must be dispo- way. Dispose of surplus and non-recyclable produ- waste disposal contractor. Disposal of this product, solutions and any b at all times comply with the requirements of protection and waste disposal legislation and local authority requirements. Avoid dispersal of spilled material and runoff soil, waterways, drains and sewers.	product residues. osed of in a safe ucts via a licensed y-products should environmental d any regional

## **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		
14.5 Environmental hazards				
Not regulated as a depareus	~~			

Not regulated as a dangerous good

## **14.6 Special precautions for user** Not applicable



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#### 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** Relevant EU provisions transposed through retained EU law

UK REACH List of restrictions (A	nnex 17)	:	Conditions of restriction for the fol- lowing entries should be considered: 3-isocyanatomethyl-3,5,5- trimethylcyclohexyl isocyanate (Number on list 74) 1,2-Benzenedicarboxylic acid, di-C9- 11-branched alkyl esters, C10-rich (Number on list 52)
UK REACH Candidate list of sub- concern (SVHC) for Authorisation		:	Not applicable
The Persistent Organic Pollutants Regulations (retained Regulation (EU) 2019/1021 as amended for Great Britain)		1 :	Not applicable
International Chemical Weapons Convention (CWC) Schedules of Toxic Chemicals and Precursors		:	Not applicable
Regulation (EC) No 1005/2009 on substances that deplete the ozone layer		:	Not applicable
UK REACH List of substances subject to authorisation (Annex XIV)		:	Not applicable
GB Export and import of hazardous chemicals - Prior Informed Consent (PIC) Regulation		:	Not applicable
Control of Major Accident Hazard	s Regulations Not applicable		t applicable
2015 (COMAH) Volatile organic compounds :	Law on the incentive tax for volatile organic compounds (VOCV) no VOC duties		or volatile organic compounds
			4 November 2010 on industrial ution prevention and control)

If other regulatory information applies that is not already provided elsewhere in the Safety Data Sheet, then it is described in this subsection.



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Health, safety and environ- mental regulation/legislation specific for the substance or mixture:	<ul> <li>Environmental Protection Act 1990 &amp; S Health and Safety at Work Act 1974 &amp; Control of Substances Hazardous to H (COSHH) May be subject to the Control of Major</li> </ul>	Subsidiary Regulations lealth Regulations

Regulations (COMAH), and amendments.

# 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.
H330	Fatal if inhaled.
H334	May cause allergy or asthma symptoms or breathing difficul- ties if inhaled.
H335	May cause respiratory irritation.
H411	Toxic to aquatic life with long lasting effects.
Full text of other abbreviation	S
Acute Tox.	Acute toxicity
Aquatic Chronic	Long-term (chronic) aquatic hazard
Eye Irrit.	Eye irritation
Resp. Sens.	Respiratory sensitisation
Skin Irrit.	Skin irritation
Skin Sens.	Skin sensitisation
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
	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 air that kills 50% of the test animals during the observation period)



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MARPOL		International Convention for the Prevention	of Pollution from	
MARFOL	•	Ships, 1973 as modified by the Protocol of 1978		
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 co istration, Evaluation, Authorisation and Res cals (REACH), establishing a European Cho	ncerning the Reg- triction of Chemi-	
SVHC	:	Substances of Very High Concern		
vPvB	:	Very persistent and very bioaccumulative		
Further information				
Classification of the mixtu	ire:	Classification pro	cedure:	
Acute Tox. 4	H33	32 Calculation method	t	
Resp. Sens. 1	H33	34 Calculation method	t	

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.

Calculation method

Changes as compared to previous version !

H317

GB / EN

Skin Sens. 1