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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>-702 Part A

### 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 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 127 Eye irritation, Category 2	<b>72/2008)</b> H319: Causes serious eye irritation.
Skin sensitisation, Category 1	H317: May cause an allergic skin reaction.
Specific target organ toxicity - repeated exposure, Category 2	H373: May cause damage to organs through pro- longed or repeated exposure.
Long-term (chronic) aquatic hazard, Cat- egory 2	H411: Toxic to aquatic life with long lasting effects.

## 2.2 Label elements

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

Hazard pictograms





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Signal word	: Warning		
Hazard statements	: H317 H319 H373 H411	May cause an allergic skin rea Causes serious eye irritation. May cause damage to organs or repeated exposure. Toxic to aquatic life with long l	through prolonged
Precautionary statements	: Preventio	n:	
	P260 P273 P280	Do not breathe mist or va Avoid release to the envir Wear protective gloves/ e protection.	ronment.
	Response	<b>:</b>	
	P314	Get medical advice/ atten well.	ntion if you feel un-
	P333 + P3	313 If skin irritation or rash oc advice/ attention.	curs: Get medical
	P391	Collect spillage.	

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

diethylmethylbenzenediamine Pentamethyl piperidylsebacate 4-morpholinecarbaldehyde

#### **Additional Labelling**

EUH211 Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

## 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.



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

#### 3.2 Mixtures

#### Components

Chemical name	CAS-No. EC-No. Registration number	Classification	Concentration (% w/w)		
diethylmethylbenzenediamine	68479-98-1 270-877-4 01-2119486805-25- XXXX	Acute Tox. 4; H302 Acute Tox. 4; H312 Eye Irrit. 2; H319 STOT RE 2; H373 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 Acute toxicity esti- mate Acute oral toxicity: 738 mg/kg	>= 10 - < 20		
Pentamethyl piperidylsebacate Contains: bis(1,2,2,6,6-pentamethyl-4- piperidyl) sebacate methyl 1,2,2,6,6-pentamethyl-4- piperidyl sebacate	1065336-91-5 915-687-0 01-2119491304-40- XXXX	Skin Sens. 1A; H317 Repr. 2; H361f Aquatic Acute 1; H400 Aquatic Chronic 1; H410 M-Factor (Acute aquatic toxicity): 1 M-Factor (Chronic aquatic toxicity): 1	>= 0,5 - < 1		
4-morpholinecarbaldehyde	4394-85-8 224-518-3 01-2119987993-12- XXXX	Skin Sens. 1; H317	>= 0,1 - < 0,5		
Substances with a workplace exposure limit :					
Titanium dioxide (> 10 μm)	13463-67-7 236-675-5 01-2119489379-17- XXXX		>= 1 - < 2,5		

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.



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	Consult a physician.	
	Show this safety data sheet to the do	octor in attendance.
If inhaled	: Move to fresh air. Consult a physician after significant e	exposure.
In case of skin contact	: Take off contaminated clothing and s Wash off with soap and plenty of war If symptoms persist, call a physician.	ter.
In case of eye contact	<ul> <li>Immediately flush eye(s) with plenty Remove contact lenses.</li> <li>Keep eye wide open while rinsing.</li> <li>If eye irritation persists, consult a special</li> </ul>	
If swallowed	<ul> <li>Do not induce vomiting without medi Rinse mouth with water.</li> <li>Do not give milk or alcoholic beverage Never give anything by mouth to an elements.</li> </ul>	ges.
2 Most important symptoms an	d effects, both acute and delayed	
Symptoms	: Allergic reactions Excessive lachrymation See Section 11 for more detailed info and symptoms.	ormation on health effects
Risks	: irritant effects sensitising effects	
	May cause an allergic skin reaction. Causes serious eye irritation. May cause damage to organs throug exposure.	gh prolonged or repeated
3 Indication of any immediate r	nedical attention and special treatmen	t needed
Treatment	: Treat symptomatically.	
ECTION 5: Firefighting meas	ures	
1 Extinguishing media		
Suitable extinguishing media	: In case of fire, use water/water spray ide/sand/foam/alcohol resistant foam extinction.	
2 Special hazards arising from	the substance or mixture	
Specific hazards during fire- fighting	: Do not allow run-off from fire fighting courses.	to enter drains or water
ountry GB 100000021288		4 / 16



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:	No hazardous combustion products are known	
:	In the event of fire, wear self-contained breathin	g apparatus.
:	must not be discharged into drains. Fire residues and contaminated fire extinguishir	ng water must
		<ul> <li>No hazardous combustion products are known</li> <li>In the event of fire, wear self-contained breathin</li> <li>Collect contaminated fire extinguishing water set</li> </ul>

## **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. If the product contaminates rivers and lakes or drains inform respective authorities.
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#### 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	: 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.



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	Follow standard hygiene measures when han products	dling chemical
Advice on protection against : fire and explosion	Normal measures for preventive fire protection	n.
Hygiene measures :	<ul> <li>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.</li> </ul>	
7.2 Conditions for safe storage, inc	luding any incompatibilities	
Requirements for storage : areas and containers	Keep container tightly closed in a dry and wel place. Containers which are opened must be sealed and kept upright to prevent leakage. S ance with local regulations.	carefully re-
Further information on stor- : age stability	No decomposition if stored and applied as dire	ected.
7.3 Specific end use(s)		
Specific use(s) :	Consult most current local Product Data Shee use.	et 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 *
Titanium dioxide (> 10 μm)	13463-67-7	TWA (inhalable dust)	10 mg/m3	GB EH40
		TWA (Respirable dust)	4 mg/m3	GB EH40

\*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 ap-



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	proved standard must be worn at all times when chemical products. Reference number EN 374. F facturer specifications.	
	Suitable for short time use or protection against 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.	splashes:
Skin and body protection :	Protective clothing (e.g. Safety shoes acc. to EN long-sleeved working clothing, long trousers). Ru and protective boots are additionaly recommend and stirring work.	ubber aprons
Respiratory protection :	In case of inadequate ventilation wear respirator Respirator selection must be based on known or exposure levels, the hazards of the product and ing limits of the selected respirator. organic vapor filter (Type A) A1: < 1000 ppm; A2: < 5000 ppm; A3: < 10000 p Ensure adequate ventilation. This can be achieve exhaust extraction or by general ventilation. (EN ods for determining inhalation exposure). This ap ticular to the mixing / stirring area. In case this is to keep the concentrations under the occupation limits then respiration protection measures must	anticipated the safe work- opm ed by local 689 - Meth- oplies in par- not sufficent al exposure
Environmental exposure control	ols	
General advice :	Do not flush into surface water or sanitary sewer If the product contaminates rivers and lakes or d respective authorities.	

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

# 9.1 Information on basic physical and chemical properties

Physical state Colour	: liquid : light grey
Odour	: slight
Melting point/ range / Freez- ing point	: No data available
Boiling point/boiling range	: No data available

## SAFETY DATA SHEET According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



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		N. 177 - 27-11	
Flammability (solid, gas)	:	No data available	
Upper/lower flammability or a	exp	losive limits	
Upper explosion limit / Upper flammability limit	:	No data available	
Lower explosion limit / Lower flammability limit	:	No data available	
Flash point	:	> 61 °C Method: closed cup	
Auto-ignition temperature	:	No data available	
Decomposition temperature	:	No data available	
рН	:	Not applicable	
Viscosity			
Viscosity, dynamic	:	1.500 mPa.s	
Viscosity, kinematic	:	> 20,5 mm2/s (40 °C)	
Solubility(ies)			
Water solubility	:	No data available	
Partition coefficient: n- octanol/water	:	No data available	
Vapour pressure	:	0,01 hPa	
Density	:	ca. 1,94 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	activity		
10.1 Reactivity			
No dangerous reaction kno	n under conditions o	f normal use.	
10.2 Chemical stability			
The product is chemically s	able.		
10.3 Possibility of hazardous	actions		
Hazardous reactions	: Stable under r	ecommended storage co	onditions.
10.4 Conditions to avoid			
Conditions to avoid	: No data availa	able	
10.5 Incompatible materials			
Materials to avoid	: No data availa	able	
10.6 Hazardous decompositio	products		
No decomposition if stored	nd applied as directe	ed.	

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

#### Acute toxicity

Not classified due to lack of data.

### Components:

### diethylmethylbenzenediamine:

Acute oral toxicity	:	LD50 Oral (Rat): 738 mg/kg
		Acute toxicity estimate: 738 mg/kg Method: Calculation method
Acute dermal toxicity	:	LD50 Dermal (Rat): 2.500 mg/kg
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### Pentamethyl piperidylsebacate:

Acute oral toxicity : LD50 Oral (Rat): 3.230 mg/kg

#### Skin corrosion/irritation

Not classified due to lack of data.



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Serious eye damage/eye irritati Causes serious eye irritation.	on	
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		
Not classified due to lack of data.		
STOT - repeated exposure		
May cause damage to organs thr	ough prolonged or repeated exposure.	
Aspiration toxicity		
Not classified due to lack of data.		
11.2 Information on other hazards		
Endocrine disrupting propertie	S	
Product:		
Assessment :	The substance/mixture does not contain comered to have endocrine disrupting properties REACH Article 57(f) or Commission Delegate (EU) 2017/2100 or Commission Regulation (levels of 0.1% or higher.	according to ed regulation

# **SECTION 12: Ecological information**

# 12.1 Toxicity

**Components:** 

### Pentamethyl piperidylsebacate:

Toxicity to fish	:	LC50 (Fish): 0,97 mg/l Exposure time: 96 h

M-Factor (Acute aquatic tox- : 1

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# Sikalastic<sup>®</sup>-702 Part A

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icity)		
M-Factor (Chronic aquatic toxicity)	: 1	
<b>12.2 Persistence and degradabilit</b> No data available	y .	
<b>12.3 Bioaccumulative potential</b> No data available		
<b>12.4 Mobility in soil</b> No data available		
12.5 Results of PBT and vPvB ass	essment	
Product:		
Assessment	<ul> <li>This substance/mixture contains no comp to be either persistent, bioaccumulative ar very persistent and very bioaccumulative 0.1% or higher</li> </ul>	nd toxic (PBT), or
12.6 Endocrine disrupting propert	ies	
Product:		
Assessment	<ul> <li>The substance/mixture does not contain of ered to have endocrine disrupting properti REACH Article 57(f) or Commission Deleg (EU) 2017/2100 or Commission Regulation levels of 0.1% or higher.</li> </ul>	ies according to gated regulation
12.7 Other adverse effects		
Product:		
Additional ecological infor- mation	<ul> <li>An environmental hazard cannot be exclu unprofessional handling or disposal.</li> <li>Toxic to aquatic life with long lasting effec</li> </ul>	
SECTION 13: Disposal conside	erations	
13.1 Waste treatment methods		
Product	: The generation of waste should be avoide	ed or minimized

wherever possible.

waste disposal contractor.

way.

Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe

Dispose of surplus and non-recyclable products via a licensed



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		Disposal of this product, solutions an at all times comply with the requirement protection and waste disposal legislat local authority requirements. Avoid dispersal of spilled material and soil, waterways, drains and sewers.	ents of environmental tion and any regional	
SECTION 14: Transport inform	nat	ion		
14.1 UN number or ID number				
ADR	:	UN 3082		
IMDG	:	UN 3082		
ΙΑΤΑ	:	UN 3082		
14.2 UN proper shipping name				
ADR	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (diethylmethylbenzenediamine)		
IMDG	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (diethylmethylbenzenediamine)		
ΙΑΤΑ	:	Environmentally hazardous substance, liquid, n.o.s. (diethylmethylbenzenediamine)		
14.3 Transport hazard class(es)				
		Class Subsidiary risk	(S	
ADR	:	9		
IMDG	:	9		
ΙΑΤΑ	:	9		
14.4 Packing group				
ADR Packing group Classification Code Hazard Identification Number Labels Tunnel restriction code	: : : : : : : : : : : : : : : : : : : :	III M6 90 9 (-)		
<b>IMDG</b> Packing group Labels EmS Code	:	III 9 F-A, S-F		
IATA (Cargo)				



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Packing instruction (cargo aircraft) Packing instruction (LQ) Packing group Labels	:	964 Y964 III Miscellaneous	
IATA (Passenger) Packing instruction (passen- ger aircraft) Packing instruction (LQ) Packing group Labels	:	964 Y964 III Miscellaneous	
14.5 Environmental hazards			
ADR Environmentally hazardous IMDG Marino pollutant	:	yes	
Marine pollutant IATA (Passenger)	•	yes	
Environmentally hazardous	:	yes	
IATA (Cargo) Environmentally hazardous	:	yes	
14.6 Special precautions for use	•		

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

## 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 (Annex 17)	:	Banned and/or restricted
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				
Regulation (EC) on substances t layer	hat deplete the ozone : 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 Hazard 2015 (COMAH)	ds Regulations E2 ENVIRONMENTAL F	HAZARDS		
Volatile organic compounds :	Law on the incentive tax for volatile organic (VOCV) Volatile organic compounds (VOC) content: no VOC duties			
	Directive 2010/75/EU of 24 November 2010 emissions (integrated pollution prevention a Volatile organic compounds (VOC) content:	ind control)		
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	Environmental Protection Act 1990 & Subside Health and Safety at Work Act 1974 & Subside Control of Substances Hazardous to Health	sidiary Regulations		

Control of Substances Hazardous to Health Regulations (COSHH) May be subject to the Control of Major Accident Hazards Regulations (COMAH), and amendments.

#### Other regulations:

mixture:

Take note of The Management of Health and Safety at Work Regulations 1999 (requirements relating to new and expectant mothers at work contained in Regulation 16 to 18) and of the Pregnant Workers Directive 92/85/EEC.

Take note of The Management of Health and Safety at Work Regulations 1999 (requirements relating to protection of young people at work contained in Regulation 19) and of Directive 94/33/EC on the protection of young people at work.

#### 15.2 Chemical safety assessment

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



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# **SECTION 16: Other information**

Full text of H-Statements		
H302	:	Harmful if swallowed.
H312	:	Harmful in contact with skin.
H317	÷	May cause an allergic skin reaction.
H319		Causes serious eye irritation.
H361f		Suspected of damaging fertility.
H373		May cause damage to organs through prolonged or repeated
	•	exposure.
H400		Very toxic to aquatic life.
H410		Very toxic to aquatic life with long lasting effects.
Full text of other abbreviation	ons	
Acute Tox.		
Aquatic Acute	:	Acute toxicity Short-term (acute) aquatic hazard
	:	
Aquatic Chronic	:	Long-term (chronic) aquatic hazard Eye irritation
Eye Irrit. Boor	:	
Repr. Skin Sens.	:	Reproductive toxicity Skin sensitisation
STOT RE	:	
GB EH40	:	Specific target organ toxicity - repeated exposure UK. EH40 WEL - Workplace Exposure Limits
GB EH40 / TWA	:	Long-term exposure limit (8-hour TWA reference period)
ADR	:	
ADK	•	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
ΙΑΤΑ	:	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)
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
REACH	:	Regulation (EC) No 1907/2006 of the European Parliament
		and of the Council of 18 December 2006 concerning the Reg-
		istration, Evaluation, Authorisation and Restriction of Chemi-
		cals (REACH), establishing a European Chemicals Agency
SVHC	:	Substances of Very High Concern
vPvB	:	Very persistent and very bioaccumulative



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Classification of the	Classification procedure:	
Eye Irrit. 2	H319	Calculation method
Skin Sens. 1	H317	Calculation method
STOT RE 2	H373	Calculation method
Aquatic Chronic 2	H411	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 !

GB / EN