

Date of last issue: 24.03.2023	Version 4.0	Print Date 29.02.2024
Revision Date: 20.12.2023		

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

1.1 Product identifier

Trade name

SCHÖNOX[®] PU 900 Hardener (B)

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

Product use : Adhesive

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 12 Acute toxicity, Category 4	72/2008) H332: Harmful if inhaled.
Skin irritation, Category 2	H315: Causes skin irritation.
Eye irritation, Category 2	H319: Causes serious eye irritation.
Respiratory sensitisation, Category 1	H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Skin sensitisation, Category 1	H317: May cause an allergic skin reaction.
Carcinogenicity, Category 2	H351: Suspected of causing cancer.
Specific target organ toxicity - single ex- posure, Category 3, Respiratory system	H335: May cause respiratory irritation.
Specific target organ toxicity - repeated exposure, Category 2	H373: May cause damage to organs through pro- longed or repeated exposure if inhaled.



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2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms	:		!
Signal word	:	Danger	
Hazard statements	:	H315 H317 H319 H332 H334 H335 H351 H373	Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Harmful if inhaled. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause respiratory irritation. Suspected of causing cancer. May cause damage to organs through pro- longed or repeated exposure if inhaled.
Precautionary statements	:	Prevention:	
		P201 P260 P264 P280	Obtain special instructions before use. Do not breathe mist or vapours. Wash skin thoroughly after handling. Wear protective gloves/ protective clothing/ eye protection/ face protection.
		Response:	
		P304 + P340 + I P342 + P311	P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell. If experiencing respiratory symptoms: Call a POISON CENTER/ doctor.

Hazardous components which must be listed on the label:

Diphenylmethanediisocyanate, isomeres and homologues

Additional Labelling

"As from 24 August 2023 adequate training is required before industrial or professional use."

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

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



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

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Components

Chemical name	CAS-No. EC-No. Registration number	Classification	Concentration (% w/w)
Diphenylmethanediisocyanate, isomeres and homologues	9016-87-9 Not Assigned	Acute Tox. 4; H332 Skin Irrit. 2; H315 Eye Irrit. 2; H319 Resp. Sens. 1; H334 Skin Sens. 1; H317 Carc. 2; H351 STOT SE 3; H335 (Respiratory system) STOT RE 2; H373 \longrightarrow specific concentration limit Eye Irrit. 2; H319 >= 5 % Resp. Sens. 1; H334 >= 0,1 % Skin Irrit. 2; H315 >= 5 % STOT SE 3; H335 >= 5 %	>=80

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

A 4 Departmetic of first and 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.					



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In case of skin contact	:	Take off contaminated clothing and shoes imm Wash off with soap and plenty of water. If symptoms persist, call a physician.	ediately.
In case of eye contact	:	Immediately flush eye(s) with plenty of water. 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 unconsciou	
4.2 Most important symptoms	and	effects, both acute and delayed	
Symptoms	:	Asthmatic appearance Cough Respiratory disorder Allergic reactions Excessive lachrymation Erythema Headache Dermatitis See Section 11 for more detailed information of and symptoms.	n health effects
Risks	:	irritant effects sensitising effects	
		Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Harmful if inhaled. May cause allergy or asthma symptoms or breaties if inhaled. May cause respiratory irritation. Suspected of causing cancer. May cause damage to organs through prolonge exposure if inhaled.	
4.3 Indication of any immediat	e me	dical 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-



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	ide/sand/foam/alcohol resistant foam/chemical p extinction.	oowder for
5.2 Special hazards arising from th	e substance or mixture	
• •	No hazardous combustion products are known	
5.3 Advice for firefighters		
Special protective equipment : for firefighters	In the event of fire, wear self-contained breathin	g apparatus.
Further information :	Standard procedure for chemical fires.	
SECTION 6: Accidental release	measures	
6.1 Personal precautions, protectiv	e 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 sewe If the product contaminates rivers and lakes or c respective authorities.	
6.3 Methods and material for conta	inment 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 formation of aerosol. Avoid exceeding the given occupational exposure limits (see
	section 8).
	Do not get in eyes, on skin, or on clothing.
	For personal protection see section 8.
	Persons with a history of skin sensitisation problems or asth- ma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.
	useu.



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		Smoking, eating and drinking should be prohib plication area. Provide sufficient air exchange and/or exhaust Follow standard hygiene measures when hand products	t in work rooms.
Advice on protection against fire and explosion	:	Normal measures for preventive fire protection	۱.
Hygiene measures	:	Handle in accordance with good industrial hyg practice. When using do not eat or drink. Whe smoke. Wash hands before breaks and at the	n using do not
7.2 Conditions for safe storage, i	incl	luding any incompatibilities	
Requirements for storage areas and containers	:	Keep container tightly closed in a dry and well place. Containers which are opened must be o sealed and kept upright to prevent leakage. St 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)	:	Cleaning with aprotic polar solvents must be a Consult most current local Product Data Shee use.	

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

Components	CAS-No.	Value type (Form	Control parame-	Basis *
		of exposure)	ters *	
Diphenylmethanediisocyanate, isomeres	9016-87-9	TWA	0,02 mg/m3	GB EH40
and homologues			(NCO)	
	Further information: Capable of causing occupational asthma.			al asthma.
		STEL	0,07 mg/m3	GB EH40
			(NCO)	

*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-	Sampling time	Basis
		ters		
Diphenylmethanediisocyanate, iso- meres and homologues	9016-87-9	isocyanate- derived diamine (Isocyanates): 1	At the end of the period of expo- sure	GB EH40 BAT



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		µmol/mol creati- nine (Urine)	
2 Exposure controls			
Engineering measures			
Maintain air concentrations Ensure adequate ventilation		occupational exposure standards. cially in confined areas.	
Personal protective equip	ment		
Eye/face protection		Safety glasses with side-shields conformin Eye wash bottle with pure water	ig to EN166
Hand protection		Chemical-resistant, impervious gloves com proved standard must be worn at all times chemical products. Reference number EN facturer specifications.	when handling
		Suitable for short time use or protection ag Butyl rubber/nitrile rubber gloves (> 0,1 mn 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. long-sleeved working clothing, long trouse and protective boots are additionaly recom and stirring work.	rs). Rubber aprons
Respiratory protection		In case of inadequate ventilation wear resp Respirator selection must be based on kno exposure levels, the hazards of the produc ing limits of the selected respirator. Use a properly fitted NIOSH approved air-p respirator complying with an approved star sessment indicates this is necessary. organic vapor filter (Type A) A1: < 1000 ppm; A2: < 5000 ppm; A3: < 10 Ensure adequate ventilation. This can be a exhaust extraction or by general ventilatior ods for determining inhalation exposure). T ticular to the mixing / stirring area. In case to keep the concentrations under the occup limits then respiration protection measures Ensure adequate ventilation, especially in o	own or anticipated ot and the safe work- purifying or air-fed ndard if a risk as- 2000 ppm achieved by local n. (EN 689 - Meth- Fhis applies in par- this is not sufficent pational exposure a must be used.

Environmental exposure controls

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General advice	

: Do not flush into surface water or sanitary sewer system. If the product contaminates rivers and lakes or drains inform Version 4.0



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		respective authorities.
SECTION 9: Physical and cher	nic	al properties
9.1 Information on basic physical	an	d chemical properties
Physical state Colour	:	liquid (20 °C) brown
Odour	:	characteristic
Melting point/range / Freezing point	:	No data available
Boiling point/boiling range	:	> 200 °C
Flammability (solid, gas)	:	No data available
Upper/lower flammability or (axe	losive limits
Upper explosion limit / Up- per flammability limit		
Lower explosion limit / Lower flammability limit	:	No data available
Flash point	:	230 °C
Auto-ignition temperature	:	400 °C
Decomposition temperature	:	No data available
рН	:	Not applicable
Viscosity		
Viscosity, kinematic	:	> 20,5 mm2/s (40 °C)
Solubility(ies)		
Water solubility	:	insoluble
Partition coefficient: n-	:	No data available



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octanol/water					
Vapour pressure	: 0,01 hPa				
Density	: 1,24 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	SECTION 10: Stability and reactivity				
10.1 Reactivity					
No dangerous reaction know	vn under conditions of normal use				

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

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.



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Components:			
Diphenylmethanediisocya	nate, is	someres and homologues:	
Acute oral toxicity	: 1	_D50 Oral (Rat): > 10.000 mg/kg	
Acute inhalation toxicity	 - /	LC50: 1,5 mg/l Exposure time: 4 h Fest atmosphere: dust/mist Method: Expert judgement Assessment: The component/mixture is n short term inhalation.	noderately toxic after
Acute dermal toxicity	: 1	D50 Dermal (Rabbit): > 9.400 mg/kg	
Skin corrosion/irritation Causes skin irritation.			
Serious eye damage/eye in Causes serious eye irritation		n	
Respiratory or skin sensit	isation		
Skin sensitisation May cause an allergic skin r Respiratory sensitisation			
	a symp	toms or breathing difficulties if inhaled.	
Germ cell mutagenicity Not classified based on avai	lable ir	formation.	
Carcinogenicity Suspected of causing cance	er.		
Reproductive toxicity Not classified based on avai	lable ir	formation.	
STOT - single exposure May cause respiratory irritat	ion.		
STOT - repeated exposure			
May cause damage to organ	ns throu	igh prolonged or repeated exposure if inf	naled.
Aspiration toxicity			
Not classified based on avai		formation.	
2 Information on other haza	rds		
Endocrine disrupting prop	erties		
Product:			
Assessment		The substance/mixture does not contain or ered to have endocrine disrupting propert	



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REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 12: Ecological information

- 12.1 Toxicity
 - Components:

Diphenylmethanediisocyanate, isomeres and homologues:

Toxicity to fish	:	LC50 (Brachydanio rerio (zebrafish)): > 1.000 mg/l Exposure time: 96 h
Toxicity to algae/aquatic plants	:	EC50 (Desmodesmus subspicatus (green algae)): > 1.640 mg/l Exposure time: 72 h

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

Product:

Assessment

: This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher..

12.6 Endocrine disrupting properties

Product:

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

12.7 Other adverse effects

Product:

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

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 good			
14.6 Special precautions for user			
Not applicable			
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) Conditions of restriction for the fol-2 lowing entries should be considered: Diphenylmethanediisocyanate, isomeres and homologues (Number on list 56) UK REACH Candidate list of substances of very high Not applicable 2 concern (SVHC) for Authorisation The Persistent Organic Pollutants Regulations (retained : Not applicable Regulation (EU) 2019/1021 as amended for Great Britain) International Chemical Weapons Convention (CWC) Not applicable 1 Schedules of Toxic Chemicals and Precursors Regulation (EC) No 1005/2009 on substances that de-Not applicable 2 plete the ozone layer UK REACH List of substances subject to authorisation Not applicable (Annex XIV) GB Export and import of hazardous chemicals - Prior : Not applicable Informed Consent (PIC) Regulation Country GB 00000613036



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Control of Major Accident Haz 2015 (COMAH) Volatile organic compounds	zards Regulations Not applicable : Law on the incentive tax for volatile organ (VOCV) no VOC duties	ic compounds

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-	: Environmental Protection Act 1990 & Subsidiary Regulations
mental regulation/legislation	Health and Safety at Work Act 1974 & Subsidiary Regulations
specific for the substance or	Control of Substances Hazardous to Health Regulations
mixture:	(COSHH)
	May be subject to the Control of Major Accident Hazards 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 H317 H319 H332 H334 H335 H351 H373		Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Harmful if inhaled. May cause allergy or asthma symptoms or breathing difficul- ties if inhaled. May cause respiratory irritation. Suspected of causing cancer. May cause damage to organs through prolonged or repeated exposure if inhaled.
Full text of other abbreviations		
Acute Tox. Carc. Eye Irrit. Resp. Sens. Skin Irrit. Skin Sens. STOT RE	, , , , , , , , , , , , , , , , , , ,	Acute toxicity Carcinogenicity Eye irritation Respiratory sensitisation Skin irritation Skin sensitisation Specific target organ toxicity - repeated exposure
STOT SE GB EH40 GB EH40 BAT GB EH40 / TWA GB EH40 / STEL	:	Specific target organ toxicity - single exposure UK. EH40 WEL - Workplace Exposure Limits UK. Biological monitoring guidance values Long-term exposure limit (8-hour TWA reference period) Short-term exposure limit (15-minute reference period)



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ADR		European Agreement concerning the	International Carriage of
	•	Dangerous Goods by Road	international carnage of
CAS		Chemical Abstracts Service	
DNEL	•	Derived no-effect level	
EC50	÷	Half maximal effective concentration	
GHS	÷	Globally Harmonized System	
IATA	÷	International Air Transport Associatio	l
IMDG	:	International Maritime Code for Dang	
LD50	:	Median lethal dosis (the amount of a	
		once, which causes the death of 50% test animals)	
LC50	:	Median lethal concentration (concent air that kills 50% of the test animals d	
MARPOL		period) International Convention for the Preve	ontion of Pollution from
WARFOL	•	Ships, 1973 as modified by the Proto	
OEL		Occupational Exposure Limit	01011370
PBT	:	Persistent, bioaccumulative and toxic	
PNEC	:	Predicted no effect concentration	
REACH	:	Regulation (EC) No 1907/2006 of the and of the Council of 18 December 24 istration, Evaluation, Authorisation an	006 concerning the Reg- d Restriction of Chemi-
SVHC		cals (REACH), establishing a Europe	an Chemicals Agency
vPvB	:	Substances of Very High Concern Very persistent and very bioaccumula	tive
Further information			
Classification of the mixture	e :	Classificatio	on procedure:
Acute Tox. 4	H3	32 Calculation r	nethod
Skin Irrit. 2	H3	15 Calculation r	nethod

Acute Tox. 4	H332	Calculation method
Skin Irrit. 2	H315	Calculation method
Eye Irrit. 2	H319	Calculation method
Resp. Sens. 1	H334	Calculation method
Skin Sens. 1	H317	Calculation method
Carc. 2	H351	Calculation method
STOT SE 3	H335	Calculation method
STOT RE 2	H373	Calculation method

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

Changes as compared to previous version !

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