

Date of last issue: 08.06.2023	Version 5.0	Print Date 10.01.2024
Revision Date: 09.01.2024		

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

### 1.1 Product identifier

Trade name

SikaForce<sup>®</sup>-100 CT35

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

Product use : Sealant/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	:	EHS@uk.sika.com
responsible for the SDS		0

### 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)

Skin irritation, Category 2H315: Causes skin irritation.Eye irritation, Category 2H319: Causes serious eye irritation.Respiratory sensitisation, Category 1H334: May cause allergy or asthma symptoms or<br/>breathing difficulties if inhaled.Skin sensitisation, Category 1H317: May cause an allergic skin reaction.Carcinogenicity, Category 2H351: Suspected of causing cancer.Specific target organ toxicity - single exposure, Category 3, Respiratory systemH373: May cause damage to organs through pro-

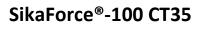
H373: May cause damage to organs through prolonged or repeated exposure if inhaled.

#### 2.2 Label elements

exposure, Category 2

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





Date of last issue: 08.06.2023 Revision Date: 09.01.2024	١	Print Date 10.01.2024	
Hazard statements :	H315 H317 H319 H334 H335 H351 H373	Causes skin irritation. May cause an allergic skin rea Causes serious eye irritation. May cause allergy or asthma breathing difficulties if inhaled. May cause respiratory irritation Suspected of causing cancer. May cause damage to organs longed or repeated exposure i	symptoms or n. through pro-
Precautionary statements :	<b>Prevention:</b> P201 P260 P264 P280	Obtain special instructions bef Do not breathe mist or vapour Wash skin thoroughly after ha Wear protective gloves/ protection eye protection/ face protection	s. ndling. ctive clothing/
	<b>Response:</b> P304 + P340 + P342 + P311	P312 IF INHALED: Remove p air and keep comfortable for b POISON CENTER/ doctor if y If experiencing respiratory syn POISON CENTER/ doctor.	reathing. Call a ou feel unwell.

## 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.

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.





## SikaForce<sup>®</sup>-100 CT35

Date of last issue: 08.06.2023 Revision Date: 09.01.2024 Version 5.0

Print Date 10.01.2024

## **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 	>= 10 - < 20

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 at	tendance.
If inhaled	Move to fresh air. Consult a physician after significant exposure	
In case of skin contact	Take off contaminated clothing and shoes imr Wash off with soap and plenty of water. If symptoms persist, call a physician.	nediately.
In case of eye contact	Immediately flush eye(s) with plenty of water. Remove contact lenses. Keep eye wide open while rinsing.	



Date of last issue: 08.06.2023 Revision Date: 09.01.2024	Version 5.0	Print Date 10.01.2024
	If eye irritation persists, consult a speci	alist.
If swallowed	: Do not induce vomiting without medical Rinse mouth with water.	
	Do not give milk or alcoholic beverages Never give anything by mouth to an une	
4.2 Most important symptoms	and effects, both acute and delayed	
Symptoms	: Asthmatic appearance Cough Respiratory disorder	
	Allergic reactions Excessive lachrymation Erythema	
	Dermatitis	
	See Section 11 for more detailed inforn and symptoms.	nation on health effects
Risks	: irritant effects sensitising effects	
	sensitising enects	
	Causes skin irritation.	
	May cause an allergic skin reaction.	
	Causes serious eye irritation. May cause allergy or asthma symptoms	s or breathing difficul-
	ties if inhaled.	
	May cause respiratory irritation.	
	Suspected of causing cancer.	
	May cause damage to organs through   exposure if inhaled.	prolonged or repeated
4.3 Indication of any immediate	e medical attention and special treatment n	eeded
Treatment	: Treat symptomatically.	

## **SECTION 5: Firefighting measures**

<b>5.1 Extinguishing media</b> 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 th	

Hazardous combustion prod-	:	No hazardous combustion products are known
ucts		



Date of last issue: 08.06.2023 Revision Date: 09.01.2024		Version 5.0	Print Date 10.01.2024
5.3 Advice for firefighters			
Special protective equipment for firefighters	:	In the event of fire, wear self-contained breathing	g apparatus.
Further information	:	Standard procedure for chemical fires.	
SECTION 6: Accidental releas	i 9	neasures	
6.1 Personal precautions, protec	tiv	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 sewer If the product contaminates rivers and lakes or d respective authorities.	
6.3 Methods and material for cor	ntai	nment and cleaning up	
Methods for cleaning up	:	Soak up with inert absorbent material (e.g. sand, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal.	silica gel,
6.4 Poference to other sections			

## 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>Follow standard hygiene measures when handling chemical products</li> </ul>
Advice on protection against fire and explosion	:	Normal measures for preventive fire protection.



Date of last issue: 08.06.2023 Revision Date: 09.01.2024		Version 5.0	Print Date 10.01.2024
Hygiene measures	:	Handle in accordance with good industrial hygie practice. When using do not eat or drink. When smoke. Wash hands before breaks and at the end	using do not
7.2 Conditions for safe storage, ir	ncl	uding any incompatibilities	
Requirements for storage areas and containers	:	Keep container tightly closed in a dry and well-v place. Containers which are opened must be ca sealed and kept upright to prevent leakage. Stor ance with local regulations.	refully re-
Further information on stor- age stability	:	No decomposition if stored and applied as direct	led.
7.3 Specific end use(s)			
Specific use(s)	:	Cleaning with aprotic polar solvents must be ave Consult most current local Product Data Sheet p use.	

## **SECTION 8: Exposure controls/personal protection**

#### 8.1 Control parameters

#### **Occupational Exposure Limits**

Components	CAS-No.	Value type (Form	Control parame- ters *	Basis *
		of exposure)		
Diphenylmethanediisocyanate, isomeres	9016-87-9	TWA	0,02 mg/m3	GB EH40
and homologues			(NCO)	
	Further information	ation: Capable of ca	using occupation	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- ters	Sampling time	Basis
Diphenylmethanediisocyanate, iso- meres and homologues	9016-87-9	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.

:

#### Personal protective equipment

Eye/face protection

Safety glasses with side-shields conforming to EN166 Eye wash bottle with pure water



Date of last issue: 08.06.2023 Revision Date: 09.01.2024	Version 5.0	Print Date 10.01.2024
Hand protection	: Chemical-resistant, impervious gloves compl proved standard must be worn at all times wh chemical products. Reference number EN 37 facturer specifications.	hen handling
	Suitable for short time use or protection again 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.	nst splashes:
Skin and body protection	: Protective clothing (e.g. Safety shoes acc. to long-sleeved working clothing, long trousers) and protective boots are additionally recommand stirring work.	. Rubber aprons
Respiratory protection	<ul> <li>In case of inadequate ventilation wear respirate Respirator selection must be based on know exposure levels, the hazards of the product a ing limits of the selected respirator.</li> <li>Use a properly fitted NIOSH approved air-pur respirator complying with an approved standard sessment indicates this is necessary.</li> <li>organic vapor filter (Type A)</li> <li>A1: &lt; 1000 ppm; A2: &lt; 5000 ppm; A3: &lt; 1000 Ensure adequate ventilation. This can be ach exhaust extraction or by general ventilation. (ods for determining inhalation exposure). This ticular to the mixing / stirring area. In case this to keep the concentrations under the occupa limits then respiration protection measures material section.</li> </ul>	n or anticipated and the safe work- rifying or air-fed ard if a risk as- 00 ppm hieved by local (EN 689 - Meth- s applies in par- is is not sufficent tional exposure
Environmental exposure con	trols	
General advice	: Do not flush into surface water or sanitary se If the product contaminates rivers and lakes	

respective authorities.

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

## 9.1 Information on basic physical and chemical properties

Physical state Appearance Colour Odour	:	liquid viscous liquid various slight
Melting point/range / Freezing point	:	No data available
Boiling point/boiling range	:	No data available



Date of last issue: 08.06.2023 Revision Date: 09.01.2024		Version 5.0	Print Date 10.01.2024
Flammability (solid, gas)	:	No data available	
Upper/lower flammability or o	exp	losive limits	
Upper explosion limit / Up- per flammability limit	:	No data available	
Lower explosion limit / Lower flammability limit	:	No data available	
Flash point	:	> 101 °C Method: closed cup	
Auto-ignition temperature	:	No data available	
Decomposition temperature	:	No data available	
рН	:	Not applicable substance/mixture is non-soluble (in water)	
Viscosity			
Viscosity, kinematic	:	> 20,5 mm2/s (40 °C)	
Solubility(ies)			
Water solubility	:	insoluble	
Partition coefficient: n- octanol/water	:	No data available	
Vapour pressure	:	0,01 hPa	
Density	:	ca. 1,12 g/cm3 (20 °C)	
Relative vapour density	:	No data available	
Particle characteristics	:	No data available	
9 2 Other information			

## 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



Date of last issue: 08.06.2023	V	/ersion 5.0	Print Date 10.01.2024
Revision Date: 09.01.2024			
Hazardous reactions	: No hazards to	be specially mentioned.	
10.4 Conditions to avoid			
Conditions to avoid	: No data availa	able	
10.5 Incompatible materials			
Materials to avoid	: No data availa	able	
<b>10.6 Hazardous decomposition</b> No decomposition if stored a	-	ed.	
SECTION 11: Toxicological	nformation		
11.1 Information on hazard cla	ses as defined in F	Regulation (EC) No 1272	2/2008
Acute toxicity Not classified due to lack of			
Components:			
 Diphenylmethanediisocya	ate isomeres and	homologues:	
Acute oral toxicity		t): > 10.000 mg/kg	
Acute inhalation toxicity	: LC50: 1,5 mg/ Exposure time Test atmosphe Method: Exper Assessment: T short term inha	: 4 h ere: dust/mist t judgement 'he component/mixture is	s moderately toxic after
Acute dermal toxicity	: LD50 Dermal (	Rabbit): > 9.400 mg/kg	
Skin corrosion/irritation Causes skin irritation.			
Serious eye damage/eye in Causes serious eye irritation			
Respiratory or skin sensit			
<b>Skin sensitisation</b> May cause an allergic skin r	action.		
Respiratory sensitisation			
May cause allergy or asthm	symptoms or breath	ning difficulties if inhaled.	
Germ cell mutagenicity			

Not classified due to lack of data.



## SikaForce<sup>®</sup>-100 CT35

Date of last issue: 08.06.2023 Revision Date: 09.01.2024	Version 5.0	Print Date 10.01.2024
<b>Carcinogenicity</b> Suspected of causing cancer.		
<b>Reproductive toxicity</b> Not classified due to lack of data.		
<b>STOT - single exposure</b> May cause respiratory irritation.		
<b>STOT - repeated exposure</b> May cause damage to organs through	prolonged or repeated exposure	if inhaled.
Aspiration toxicity Not classified due to lack of data.		
11.2 Information on other hazards		

### Endocrine disrupting properties

#### Product:

Assessment

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

## **SECTION 12: Ecological information**

## 12.1 Toxicity

## Components:

## 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



Date of last issue: 08.06.2023 Revision Date: 09.01.2024	Version 5.0	Print Date 10.01.2024
12.5 Results of PBT and vPvB as	ssessment	
Product:		
Assessment	<ul> <li>This substance/mixture contains no cor to be either persistent, bioaccumulative very persistent and very bioaccumulative 0.1% or higher</li> </ul>	and toxic (PBT), or
12.6 Endocrine disrupting prope	rties	
Product:		
Assessment	: The substance/mixture does not contain ered to have endocrine disrupting prope REACH Article 57(f) or Commission De (EU) 2017/2100 or Commission Regula levels of 0.1% or higher.	erties according to legated regulation
12.7 Other adverse effects		
Product:		
Additional ecological infor- mation	: There is no data available for this produ	uct.
SECTION 13: Disposal consid	lerations	
13.1 Waste treatment methods		
Product	: The generation of waste should be avo wherever possible.	ided 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.

## **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	



Date of last issue: 08.06.2023 Revision Date: 09.01.2024		Version 5.0	Print Date 10.01.2024
ΑΤΑΙ	:	Not regulated as a dangerous good	
14.2 UN proper shipping name	Ð		
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(e	s)		
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	
<b>14.5 Environmental hazards</b> Not regulated as a dangero	ous go	od	
<b>14.6 Special precautions for u</b> Not applicable	ser		
<b>14.7 Maritime transport in bul</b> Not applicable for product a		-	

## **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- lowing entries should be considered: Diphenylmethanediisocyanate, iso- meres and homologues (Number on list 56)
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



# SikaForce<sup>®</sup>-100 CT35

Date of last issue: 08.06.2023 Revision Date: 09.01.2024	Version 5.0	Print Date 10.01.2024		
International Chemical Weapons Schedules of Toxic Chemicals an	. ,			
Regulation (EC) No 1005/2009 or plete the ozone layer	n substances that de- : Not applicable			
UK REACH List of substances su (Annex XIV)	bject to authorisation : Not applicable			
GB Export and import of hazardou Informed Consent (PIC) Regulation				
Control of Major Accident Hazard 2015 (COMAH)	s Regulations Not applicable			
Volatile organic compounds :				
	Directive 2010/75/EU of 24 November 2010 of emissions (integrated pollution prevention an 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:	<ul> <li>Environmental Protection Act 1990 &amp; Subsidiary Regulations Health and Safety at Work Act 1974 &amp; Subsidiary Regulations Control of Substances Hazardous to Health Regulations (COSHH) May be subject to the Control of Major Accident Hazards</li> </ul>
	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	
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H315	: Causes skin irritation.
H317	: May cause an allergic skin reaction.
H319	: Causes serious eye irritation.
H332	: Harmful if inhaled.
H334	<ol> <li>May cause allergy or asthma symptoms or breathing difficul- ties if inhaled.</li> </ol>
H335	: May cause respiratory irritation.
H351	: Suspected of causing cancer.
H373	: May cause damage to organs through prolonged or repeated exposure if inhaled.



Date of last issue: 08.06.2023 Revision Date: 09.01.2024 Version 5.0

Print Date 10.01.2024

Full text of other abbreviations			
Acute Tox.	:	Acute toxicity	
Carc.	:	Carcinogenicity	
Eye Irrit.	:	Eye irritation	
Resp. Sens.	:	Respiratory sensitisation	
Skin Irrit.	:	Skin irritation	
Skin Sens.	:	Skin sensitisation	
STOT RE	:	Specific target organ toxicity - repeated exposure	
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	
IATA	:	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	
1.050		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	
OEL		Ships, 1973 as modified by the Protocol of 1978	
PBT	:	Occupational Exposure Limit Persistent, bioaccumulative and toxic	
PNEC	:	Predicted no effect concentration	
REACH	:	Regulation (EC) No 1907/2006 of the European Parliament	
REACH	•	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	
···· <b>=</b>	•		

## **Further information**

Classification of the mixture:		
H315	Calculation method	
H319	Calculation method	
H334	Calculation method	
H317	Calculation method	
H351	Calculation method	
H335	Calculation method	
	H315 H319 H334 H317 H351	



Date of last issue: 08.06.2023 Revision Date: 09.01.2024		Version 5.0	Print Date 10.01.2024
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 !

GB / EN