

Version 3.4

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

#### **1.1 Product identifier**

Trade name : SikaForce<sup>®</sup>-800 (formerly SikaForce<sup>®</sup>-7800) Part B

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

Product use	:	Sealant/adhesive
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#### 1.3 Details of the supplier of the safety data sheet

Company name of supplier	:	Sika Nederland B.V. Zonnebaan 56
		3542 EG Utrecht
		Nederland
Telephone	:	+31-30-2410120
Telefax	:	+31-30-2414482
E-mail address of person	:	EHS@nl.sika.com
responsible for the SDS		

#### 1.4 Emergency telephone number

+31-57-0854201

### **SECTION 2: Hazards identification**

### 2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 127	/2/2008)
Acute toxicity, Category 4	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 exposure, 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 (E Hazard pictograms	: :	o 1272/2008)	!
Signal word	: 1	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		<b>Prevention:</b> P201 P260 P264 P280 <b>Response:</b> P304 + P340 + F P342 + P311	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. 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.	Classification	Concentration (% w/w)
	Registration number		
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**

#### 4.1 Description of first aid measures

General advice	:	Move out of dangerous area. Consult a physician. Show this safety data sheet to the doctor in attendance.
If inhaled	:	Move to fresh air. Consult a physician after significant exposure.
In case of skin contact	:	Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. If symptoms persist, call a physician.



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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 unconscious	s person.
4.2 Most important symptoms a	nd e	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 on and symptoms.	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 breat ties if inhaled. May cause respiratory irritation. Suspected of causing cancer. May cause damage to organs through prolonged exposure if inhaled.	
4.3 Indication of any immediate	mo	dical attention and special treatment needed	
Treatment	:	Treat symptomatically.	
SECTION 5: Firefighting mean	sur	es	
5.1 Extinguishing modio			
<b>5.1 Extinguishing media</b> Suitable extinguishing media	:	In case of fire, use water/water spray/water jet/c ide/sand/foam/alcohol resistant foam/chemical p extinction.	
5.2 Special hazards arising from	the	e substance or mixture	
		No hazardous combustion products are known	



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# 5.3 Advice for firefighters

Special protective equipment for firefighters	:	In the event of fire, wear self-contained breathing apparatus.
Further information	:	Standard procedure for chemical fires.

### **SECTION 6: Accidental release measures**

### 6.1 Personal precautions, protective equipment and emergency procedures

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Personal precautions	:	Use personal protective equipment.
		Deny access to unprotected persons.
		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.

### 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	<ul> <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>
	Pollow standard hygiene measures when handling chemical products

Advice on protection against : Normal measures for preventive fire protection.



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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, including any incompatibilities					
Requirements for storage areas and containers	:	Keep container tightly closed in a dry and well-ventilated place. Store in accordance 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)	:	Cleaning with aprotic polar solvents must be avoided. 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

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#### **Occupational Exposure Limits**

Components	CAS-No.	Value type (Form of exposure)	Control parame- ters *	Basis *
Diphenylmethanediisocyanate, isomeres and homologues	9016-87-9	AGW (Inhalable fraction)	0,05 mg/m3 (MDI)	DE TRGS 900
	Further information: Senate commission for the rev pounds at the work place dangerous for the health lished a BEI-value for the same OEL value in the 'N value list'			nas also estab-

\*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 approved standard must be worn at all times when handling chemical products. Reference number EN 374. Follow manufacturer specifications.			
	Suitable for short time use or protection against splashes: Butyl rubber/nitrile rubber gloves (> 0,1 mm) Contaminated gloves should be removed.			

SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006

SikaForce<sup>®</sup>-800 (formerly SikaForce<sup>®</sup>-7800) Part B



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		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- 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 ventilation ods for determining inhalation exposure). T ticular to the mixing / stirring area. In case to keep the concentrations under the occu limits then respiration protection measures Ensure adequate ventilation, especially in	own or anticipated ct and the safe work- purifying or air-fed ndard if a risk as- 0000 ppm achieved by local n. (EN 689 - Meth- This applies in par- this is not sufficent pational exposure a must be used.
Environmental exposure co	ontrol	S	

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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
	respective authorities.

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

### 9.1 Information on basic physical and chemical properties

Physical state Appearance Colour	:	liquid paste grey
Odour	:	slight
Melting point/range / Freezing point	:	No data available
Boiling point/boiling range	:	No data available
Flammability (solid, gas)	:	No data available



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Upper/lower flammability or explosive limits			
Upper explosion limit / Up- per flammability limit	:	No data available	
Lower explosion limit / Lower flammability limit	:	No data available	
Flash point	:	> 100 °C Method: closed cup	
Auto-ignition temperature	:	No data available	
Decomposition temperature	:	No data available	
рН	:	substance/mixture reacts with water	
Viscosity			
Viscosity, dynamic	:	ca. 35.000 mPa.s (20 °C)	
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. 1,23 g/cm3 (20 °C)	
Relative vapour density	:	No data available	
Particle characteristics	:	No data available	

### 9.2 Other information

No data available

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**SECTION 10: Stability and reactivity** 

#### 10.1 Reactivity

No dangerous reaction known under conditions of normal use.

#### 10.2 Chemical stability

The product is chemically stable.

#### 10.3 Possibility of hazardous reactions

Hazardous reactions : No hazards to be specially mentioned.

### 10.4 Conditions to avoid

Conditions to avoid :	No data available
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#### 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.

#### **Components:**

### Diphenylmethanediisocyanate, isomeres and homologues:

Acute oral toxicity	:	LD50 Oral (Rat): > 10.000 mg/kg
Acute inhalation toxicity	:	LC50: 1,5 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: Expert judgement Assessment: The component/mixture is moderately toxic after short term inhalation.
Acute dermal toxicity	:	LD50 Dermal (Rabbit): > 9.400 mg/kg
Skin corrosion/irritation Causes skin irritation.		

### Serious eye damage/eye irritation

Causes serious eye irritation.



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### Respiratory or skin sensitisation

#### Skin sensitisation

May cause an allergic skin reaction.

#### Respiratory sensitisation

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

#### Germ cell mutagenicity

Not classified due to lack of data.

#### Carcinogenicity

Suspected of causing cancer.

#### **Reproductive toxicity**

Not classified due to lack of data.

### STOT - single exposure

May cause respiratory irritation.

#### STOT - repeated exposure

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	<ul> <li>EC50 (Desmodesmus subspicatus (green algae)): &gt; 1.640 mg/l Exposure time: 72 h</li> </ul>			



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### 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.
12.7 Other adverse effects		
Product:		
Additional ecological infor- mation	:	There is no data available for this product.

### **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



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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			
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			

### 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/legi	slation	specific for the substance or mixture
	International Chemical Weapons Convention (CWC) Schedules of Toxic Chemicals and Precursors	:	Not applicable

REACH Information:

All substances contained in our Products are - registered by our upstream suppliers, and/or

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	<ul> <li>registered by us, and/or</li> <li>excluded from the regulation, and/or</li> <li>exempted from the registration.</li> </ul>			
REACH - Restrictions on the ma the market and use of certain da mixtures and articles (Annex XV	ngerous substances,	:	Conditions of restriction for the fol- lowing entries should be considered: Number on list 3	
			Diphenylmethanediisocyanate, iso- meres and homologues (Number on list 74, 56)	
REACH - Candidate List of Subs Concern for Authorisation (Article			None of the components are listed (=> 0.1 %).	
REACH - List of substances sub (Annex XIV)	ject to authorisation :	:	Not applicable	
Regulation (EC) No 1005/2009 c plete the ozone layer	on substances that de- :		Not applicable	
Regulation (EU) 2019/1021 on p tants (recast)	ersistent organic pollu- :	:	Not applicable	
Regulation (EC) No 649/2012 of ment and the Council concerning of dangerous chemicals		:	Not applicable	
Seveso III: Directive 2012/18/EU jor-accident hazards involving da	•	nt	and of the Council on the control of ma-	
Volatile organic compounds :	Law on the incentive tax (VOCV) no VOC duties	fo	r volatile organic compounds	
			November 2010 on industrial tion prevention and control)	

### 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	
H315	: Causes skin irritation.
H317	
	: May cause an allergic skin reaction.
H319	: Causes serious eye irritation.
H332	: Harmful if inhaled.
H334	: May cause allergy or asthma symptoms or breathing difficul-
	ties if inhaled.
H335	: May cause respiratory irritation.
H351	: Suspected of causing cancer.
H373	: May cause damage to organs through prolonged or repeated
11373	
	exposure if inhaled.
Full text of other abbreviation	
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
DE TRGS 900	
	: Germany. TRGS 900 - Occupational exposure limit values.
DE TRGS 900 / AGW	: Time Weighted Average
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
ΙΑΤΑ	: International Air Transport Association
IMDG	: International Maritime Code for Dangerous Goods
LD50	: Median lethal dosis (the amount of a material, given all at
EB00	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
	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
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

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**Classification procedure:** 



### **Further information**

#### **Classification of the mixture:**

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 !

NL / EN