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

### 1.1 Product identifier

Trade name : Sika<sup>®</sup> Injection-107

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

Product use : Sealing system, For professional users only.

### 1.3 Details of the supplier of the safety data sheet

Company name of supplier	:	Sika Limited
		Watchmead Welwyn Garden City
		Hertfordshire. AL7 1BQ
Telephone	:	+44 (0)1707 394444
Telefax	:	+44 (0)1707 329129
E-mail address of person	:	EHS@uk.sika.com
responsible for the SDS		-

#### 1.4 Emergency telephone number

National Chemical Emergency Centre (NCEC) 24 Hour Emergency Telephone Number +44 870 190 6777

## **SECTION 2: Hazards identification**

### 2.1 Classification of the substance or mixture

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

Acute toxicity, Category 4 Skin irritation, Category 2 Eye irritation, Category 2 Respiratory sensitisation, Category 1

Skin sensitisation, Category 1 Carcinogenicity, Category 2 Specific target organ toxicity - single exposure, Category 3, Respiratory system Specific target organ toxicity - repeated exposure, Category 2

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms



H332: Harmful if inhaled.

H315: Causes skin irritation.

breathing difficulties if inhaled.

H319: Causes serious eye irritation.

H351: Suspected of causing cancer.

H335: May cause respiratory irritation.

longed or repeated exposure if inhaled.

H334: May cause allergy or asthma symptoms or

H373: May cause damage to organs through pro-

H317: May cause an allergic skin reaction.



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Signal word :	Danger		
Hazard statements :	H315 H317 H319 H332 H334 H335 H351 H373	Causes skin irritation. May cause an allergic skin reac Causes serious eye irritation. Harmful if inhaled. May cause allergy or asthma sy breathing difficulties if inhaled. May cause respiratory irritation. Suspected of causing cancer. May cause damage to organs the longed or repeated exposure if the second s	mptoms or nrough pro-
Precautionary statements :	<b>Prevention:</b> P201 P260 P264 P280	Obtain special instructions befo Do not breathe mist or vapours. Wash skin thoroughly after hand Wear protective gloves/ protecti eye protection/ face protection.	dling.
	<b>Response:</b> P304 + P340 + P342 + P311	P312 IF INHALED: Remove pe air and keep comfortable for bre POISON CENTER/ doctor if you If experiencing respiratory symp POISON CENTER/ doctor.	eathing. Call a u 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.



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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)
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 %	>= 40 - < 60
2,2'-dimorpholinyldiethyl ether	6425-39-4 229-194-7 01-2119969278-20- XXXX	Eye Irrit. 2; H319	>= 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. 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	F	mmediately flush eye(s) with plenty of wate Remove contact lenses. Keep eye wide open while rinsing. f eye irritation persists, consult a specialist.	
If swallowed	F	Do not induce vomiting without medical adv Rinse mouth with water. Do not give milk or alcoholic beverages. Never give anything by mouth to an uncons	
I.2 Most important symptoms	and eff	ects, both acute and delayed	
Symptoms	C F E E E E S	Asthmatic appearance Cough Respiratory disorder Allergic reactions Excessive lachrymation Erythema Headache Dermatitis See Section 11 for more detailed informatio and symptoms.	on on health effects
Risks		rritant effects sensitising effects	
	N C H N t N S N	Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Harmful if inhaled. May cause allergy or asthma symptoms or l ies if inhaled. May cause respiratory irritation. Suspected of causing cancer. May cause damage to organs through prolo exposure if inhaled.	
4.3 Indication of any immedia		cal attention and special treatment need Freat symptomatically.	ed

ide/sand/foam/alcohol resistant foam/chemical powder fo extinction.	:	Suitable extinguishing media	:	In case of fire, use water/water spray/water jet/carbon dic ide/sand/foam/alcohol resistant foam/chemical powder fo extinction.	
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5.2 Special hazards arising from Hazardous combustion prod- ucts		e substance or mixture No hazardous combustion products are known	1
5.3 Advice for firefighters			
Special protective equipment for firefighters	: :	In the event of fire, wear self-contained breath	ing apparatus.
Further information	:	Standard procedure for chemical fires.	
<b>SECTION 6: Accidental relea</b>	se	measures	
6.1 Personal precautions, prote	ctiv	e equipment and emergency procedures	
6.1 Personal precautions, protections Personal precautions	ctiv :	e equipment and emergency procedures Use personal protective equipment. Deny access to unprotected persons.	
Personal precautions	ctiv :	Use personal protective equipment.	
	ctiv :	Use personal protective equipment.	5
Personal precautions 6.2 Environmental precautions	:	Use personal protective equipment. Deny access to unprotected persons. Do not flush into surface water or sanitary sew If the product contaminates rivers and lakes o respective authorities.	5
Personal precautions 6.2 Environmental precautions Environmental precautions	:	Use personal protective equipment. Deny access to unprotected persons. Do not flush into surface water or sanitary sew If the product contaminates rivers and lakes o respective authorities.	r drains inform nd, silica gel,
Personal precautions 6.2 Environmental precautions Environmental precautions 6.3 Methods and material for co	:	Use personal protective equipment. Deny access to unprotected persons. Do not flush into surface water or sanitary sew If the product contaminates rivers and lakes o respective authorities. inment and cleaning up Soak up with inert absorbent material (e.g. sa acid binder, universal binder, sawdust).	r drains inform nd, silica gel,

## 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.
		Smoking, eating and drinking should be prohibited in the ap-
		plication area.
		Provide sufficient air exchange and/or exhaust in work rooms.



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		Follow standard hygiene measures when handlin products	ng chemical
Advice on protection against fire and explosion	:	Normal measures for preventive fire protection.	
Hygiene measures	:	Handle in accordance with good industrial hygien practice. When using do not eat or drink. When u smoke. Wash hands before breaks and at the er	using do not
7.2 Conditions for safe storage,	inc	luding any incompatibilities	
Requirements for storage areas and containers	:	Keep container tightly closed in a dry and well-ve place. Containers which are opened must be car 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	ed.
7.3 Specific end use(s)			
Specific use(s)	:	Cleaning with aprotic polar solvents must be avo 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-	Basis *
		of exposure)	ters *	
Diphenylmethanediisocyanate, isomeres	9016-87-9	TWA	0,02 mg/m3	GB EH40
and homologues			(NCO)	
	Further information	ation: Capable of ca	ausing 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



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### 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 Hand protection	: :	Safety glasses with side-shields conforming to EN166 Eye wash bottle with pure water Chemical-resistant, impervious gloves complying with an ap- proved standard must be worn at all times when handling chemical products. Reference number EN 374. Follow manu- facturer specifications. Suitable for short time use or protection against splashes: Butyl rubber/nitrile rubber gloves (> 0,1 mm) Contaminated gloves should be removed. Suitable for permanent exposure: Viton gloves (0.4 mm), breakthrough time >30 min.
Skin and body protection Respiratory protection	:	Protective clothing (e.g. Safety shoes acc. to EN ISO 20345, long-sleeved working clothing, long trousers). Rubber aprons and protective boots are additionaly recommended for mixing and stirring work. In case of inadequate ventilation wear respiratory protection. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe work- ing limits of the selected respirator. Use a properly fitted NIOSH approved air-purifying or air-fed respirator complying with an approved standard if a risk as- sessment indicates this is necessary. organic vapor filter (Type A) A1: < 1000 ppm; A2: < 5000 ppm; A3: < 10000 ppm Ensure adequate ventilation. This can be achieved by local exhaust extraction or by general ventilation. (EN 689 - Meth- ods for determining inhalation exposure). This applies in par- ticular to the mixing / stirring area. In case this is not sufficent to keep the concentrations under the occupational exposure limits then respiration protection measures must be used. Ensure adequate ventilation, especially in confined areas.

### Environmental exposure controls

General advice

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

### 9.1 Information on basic physical and chemical properties

Physical state Colour Odour	::	liquid brown slight
Melting point/range / Freezing point	:	No data available
Boiling point/boiling range	:	No data available
Flammability (solid, gas)	:	No data available
<b>Upper/lower flammability or</b> Upper explosion limit / Up- per flammability limit	-	
Lower explosion limit / Lower flammability limit	:	No data available
Flash point	:	> 101 °C Method: closed cup
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
рН	:	Not applicable
<b>Viscosity</b> Viscosity, kinematic	:	> 20,5 mm2/s (40 °C)
<b>Solubility(ies)</b> Water solubility	:	insoluble
Partition coefficient: n- octanol/water	:	No data available
Vapour pressure	:	ca. 0,0571 hPa (20 °C)
Density	:	ca. 1,06 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 re	eactivity
10.1 Reactivity	
-	n under conditions of normal use.
10.2 Chemical stability	
The product is chemically sta	able.
10.3 Possibility of hazardous re	eactions
Hazardous reactions	: No hazards to be specially mentioned.
10.4 Conditions to avoid	
Conditions to avoid	: No data available
10.5 Incompatible materials	
Materials to avoid	: No data available
10.6 Hazardous decomposition	products
No decomposition if stored a	-
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## **SECTION 11: Toxicological information**

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

<b>Acute toxicity</b> Harmful if inhaled.		
Components:		
Diphenylmethanediisocya	nate,	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



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Skin corrosion/irritation Causes skin irritation.		
Serious eye damage/eye irrita Causes serious eye irritation.	tion	
Respiratory or skin sensitisat	ion	
<b>Skin sensitisation</b> May cause an allergic skin reac	tion.	
<b>Respiratory sensitisation</b> May cause allergy or asthma sy	mptoms or breathing difficulties if inhaled.	
Germ cell mutagenicity Not classified based on available	e information.	
<b>Carcinogenicity</b> Suspected of causing cancer.		
<b>Reproductive toxicity</b> Not classified based on availabl	e information.	
<b>STOT - single exposure</b> May cause respiratory irritation.		
STOT - repeated exposure May cause damage to organs the	nrough prolonged or repeated exposure if inhale	d.
Aspiration toxicity Not classified based on availabl	e information.	
11.2 Information on other hazards		
Endocrine disrupting propert	ies	
<u>Product:</u> Assessment	The substance/mixture does not contain com ered to have endocrine disrupting properties REACH Article 57(f) or Commission Delegate (EU) 2017/2100 or Commission Regulation (F levels of 0.1% or higher.	according to ed regulation

## **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



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Toxicity to algae/aquatic plants	:	EC50 (Desmodesmus subspicatus (green alg mg/l Exposure time: 72 h	ae)): > 1.640
<b>12.2 Persistence and degradabil</b> No data available	ity		
<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 as	sse	ssment	
Product: Assessment	:	This substance/mixture contains no compone to be either persistent, bioaccumulative and to very persistent and very bioaccumulative (vPv 0.1% or higher	oxic (PBT), or
12.6 Endocrine disrupting prope	rtie	25	
Product:			
Assessment	:	The substance/mixture does not contain comp ered to have endocrine disrupting properties a REACH Article 57(f) or Commission Delegate (EU) 2017/2100 or Commission Regulation (E levels of 0.1% or higher.	according to d regulation
12.7 Other adverse effects			
<u>Product:</u> Additional ecological infor- mation	:	There is no data available for this product.	
SECTION 13: Disposal consid	ler	ations	
13.1 Waste treatment methods			
Product	:	The generation of waste should be avoided or wherever possible. Empty containers or liners may retain some p This material and its container must be dispos	roduct residues.

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



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		protection and waste disposal legislation and any local authority requirements. Avoid dispersal of spilled material and runoff and soil, waterways, drains and sewers.	-
European Waste Catalogue	:	08 05 01* waste isocyanates	
Contaminated packaging	:	15 01 10* packaging containing residues of or co by dangerous substances	ontaminated

## **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	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	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	4 Packing group		
	ADR	:	Not regulated as a dangerous good
	IMDG	:	Not regulated as a dangerous good
	IATA (Cargo)	:	Not regulated as a dangerous good
	IATA (Passenger)	:	Not regulated as a dangerous good
14.	5 Environmental hazards		
	Not regulated as a dangerous	goo	bd

### 14.6 Special precautions for user

Not applicable

## **14.7 Maritime transport in bulk according to IMO instruments** Not applicable for product as supplied.



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### **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 subs concern (SVHC) for Authorisation	:	Not applicable		
The Persistent Organic Pollutants Regulation (EU) 2019/1021 as am ain)		:	Not applicable	
International Chemical Weapons ( Schedules of Toxic Chemicals and	:	Not applicable		
Regulation (EC) No 1005/2009 on plete the ozone layer	:	Not applicable		
UK REACH List of substances sub (Annex XIV)	:	Not applicable		
GB Export and import of hazardou Informed Consent (PIC) Regulatio	:	Not applicable		
Control of Major Accident Hazards	s Regulations	Not	applicable	
2015 (COMAH) Volatile organic compounds :	Law on the incentive ta (VOCV) no VOC duties	ax f	or volatile organic compounds	
	Directive 2010/75/EU of 24 November 2010 on industrial emissions (integrated pollution prevention and control) 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:	Health and Safety at W Control of Substances (COSHH)	Vorł Ha	Act 1990 & Subsidiary Regulations Act 1974 & Subsidiary Regulations zardous to Health Regulations htrol of Major Accident Hazards	

Regulations (COMAH), and amendments.



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#### 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

Full lext 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
	-	exposure if inhaled.
Full text of other abbreviation	าร	
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
2200	•	once, which causes the death of 50% (one half) of a group of
		test animals)
LC50		Median lethal concentration (concentrations of the chemical in
2000	•	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
	·	
untry CD 10000011500		44/4



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PNEC REACH	<ul> <li>Predicted no effect concentration</li> <li>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</li> </ul>				
SVHC	: Substances of Very Higl	Substances of Very High Concern Very persistent and very bioaccumulative			
vPvB	very persistent and very	bioaccumulative			
Further information					
Classification of the mixture	:	Classification procedu	re:		
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			

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

Calculation method

Calculation method

Changes as compared to previous version !

H335

H373

GB / EN

STOT SE 3

STOT RE 2