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

#### **1.1 Product identifier**

Trade name

: Sikadur<sup>®</sup>-41 + Part A

#### 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

:	Sika Nederland B.V.
	Zonnebaan 56
	3542 EG Utrecht
	Nederland
:	+31-30-2410120
:	+31-30-2414482
:	EHS@nl.sika.com
	:

#### 1.4 Emergency telephone number

+31-57-0854201

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

#### 2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)						
Skin irritation, Category 2	H315: Causes skin irritation.					
Eye irritation, Category 2	H319: Causes serious eye irritation.					
Skin sensitisation, Category 1	H317: May cause an allergic skin reaction.					
Long-term (chronic) aquatic hazard, Cat- egory 3	H412: Harmful to aquatic life with long lasting ef- fects.					

#### 2.2 Label elements

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



according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



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Hazard statements :	H315 H317 H319 H412	Causes skin irritation. May cause an allergic skin reacti Causes serious eye irritation. Harmful to aquatic life with long la	
Precautionary statements :	P101 P102	If medical advice is needed, container or label at hand. Keep out of reach of childre	
	Prevention P261 P264 P280	: Avoid breathing dust. Wash skin thoroughly after I Wear protective gloves/ eye protection.	
	<b>Disposal:</b> P501	Dispose of contents/contain with local regulation.	er in accordance

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

bis-[4-(2,3-epoxipropoxi)phenyl]propane Polypropylene glycol-Epichlorhydrin-copolymer

#### 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)
bis-[4-(2,3- epoxipropoxi)phenyl]propane	1675-54-3 216-823-5 01-2119456619-26- XXXX	Skin Irrit. 2; H315 Eye Irrit. 2; H319 Skin Sens. 1; H317 Aquatic Chronic 2; H411 specific concentration limit Eye Irrit. 2; H319 >= 5 % specific concentration limit Skin Irrit. 2; H315 >= 5 %	>= 10 - < 20
Polypropylene glycol- Epichlorhydrin-copolymer	9072-62-2 Not Assigned	Eye Irrit. 2; H319 Skin Sens. 1B; H317 STOT SE 3; H335 (Respiratory system) Aquatic Chronic 3; H412	>= 5 - < 10
Solvent naphtha (petroleum), heavy arom. Contains: naphthalene <= 1 %	Not Assigned 922-153-0 01-2119451097-39- XXXX	Asp. Tox. 1; H304	>= 1 - < 2,5



according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878

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p-toluenesulphonic acid (contain- ing a maximum of 5 % H2SO4)	104-15-4 203-180-0 01-2119538811-39- XXXX	Eye Irrit. 2; H319 STOT SE 3; H335 Skin Irrit. 2; H315 specific concentration limit	>= 1 - < 2,5
		STOT SE 3; H335 >= 20 %	
		specific concentration limit Skin Corr. 1B; H314 >= 25 %	
		specific concentration limit Skin Irrit. 2; H315 10 - < 25 %	
		specific concentration limit Eye Irrit. 2; H319 10 - < 25 %	
Substances with a workplace expo	sure limit :	1	
Quartz (SiO2)	14808-60-7 238-878-4		>= 10 - < 20
Ear explanation of obbroviations as			

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	<ul> <li>Take off contaminated clothing and shoes immediately.</li> <li>Wash off with soap and plenty of water.</li> <li>If symptoms persist, call a physician.</li> </ul>
In case of eye contact	: Immediately flush eye(s) with plenty of water. Remove contact lenses.

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878

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	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 :	Allergic reactions Excessive lachrymation Erythema Dermatitis See Section 11 for more detailed information or and symptoms.	n health effects
Risks :	irritant effects sensitising effects	
	Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation.	
4.3 Indication of any immediate m	edical attention and special treatment needed	
Treatment :	Treat symptomatically.	
SECTION 5: Firefighting measu	ires	
5.1 Extinguishing media		
Suitable extinguishing media :	In case of fire, use water/water spray/water jet/ ide/sand/foam/alcohol resistant foam/chemical extinction.	
5.2 Special hazards arising from the	ne substance or mixture	
Hazardous combustion prod- : ucts	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	ng apparatus.

Further information : Standard procedure for chemical fires.



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

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

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

#### 6.2 Environmental precautions

Environmental precautions : Do not flush into surface water or sanitary sewer system. If the product contaminates rivers and lakes or drains inform respective authorities.

#### 6.3 Methods and material for containment and cleaning up

Methods for cleaning up	:	Pick up and arrange disposal without creating dust.
		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		Do not breathe vapours/dust. 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. Follow standard hygiene measures when handling chemical products			
Advice on protection against fire and explosion	:	Normal measures for preventive fire protection.			
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	: Keep container tightly closed in a dry and well-ventilated
areas and containers	place. Store in accordance with local regulations.

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878

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Further information on stor- age stability	: No decomposition if stored and applied	as directed.
7.3 Specific end use(s) Specific use(s)	: Consult most current local Product Data use.	Sheet prior to any

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

#### 8.1 Control parameters

#### **Occupational Exposure Limits**

CAS-No.	Value type (Form	Control parame-	Basis *	
	of exposure)	ters *		
14808-60-7	TLV-8hr (Respira-	0,075 mg/m3	NL WG	
	ble dust)	(Silica)		
Further information: Carcinogenic substances, based on the				
thresholdlimit	thresholdlimit effect			
	14808-60-7 Further inform	of exposure)           14808-60-7         TLV-8hr (Respirable dust)           Further information: Carcinogenic	of exposure)         ters *           14808-60-7         TLV-8hr (Respira- ble dust)         0,075 mg/m3 (Silica)           Further information: Carcinogenic substances, base	

\*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
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Eye/face protection :	Safety glasses with side-shields conforming to EN166 Eye wash bottle with pure water
Hand protection	Chemical-resistant, impervious gloves complying with an ap- proved standard must be worn at all times when handling chemical products. Reference number EN 374. Follow manu- facturer specifications. Recommended: Butyl rubber/nitrile rubber gloves. Contaminated gloves should be removed.
Skin and body protection :	Protective clothing (e.g. Safety shoes acc. to EN ISO 20345, long-sleeved working clothing, long trousers). Rubber aprons and protective boots are additionally recommended for mixing and stirring work.
Respiratory protection :	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. 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-



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	ticular to the mixing / stirring area. In ca to keep the concentrations under the o limits then respiration protection measu	ccupational exposure	

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.				

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

#### 9.1 Information on basic physical and chemical properties

information on basic physical	an	a chemical propertie
Physical state Appearance	:	solid paste
Colour	:	beige
Odour	:	epoxy-like
Melting point/ range / Freez- ing point	:	No data available
Boiling point/boiling range	:	No data available
Flammability (solid, gas)	:	No data available
Upper/lower flammability or	ovn	losive limits
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
		No data available
Decomposition temperature	:	No data available
рН	:	Not applicable

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878

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	substance/mixture is non-soluble (in water)	
Viscosity Viscosity, dynamic	: ca. 400.000 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	: No data available	
Density	: ca. 1,9 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 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

#### **10.5 Incompatible materials**

Materials to avoid	: No data a	vailable
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#### **10.6 Hazardous decomposition products**

No hazardous decomposition products are known.

#### **SECTION 11: Toxicological information**

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

#### Acute toxicity

Not classified due to lack of data.

#### Components:

#### bis-[4-(2,3-epoxipropoxi)phenyl]propane:

Acute oral toxicity	:	LD50 Oral (Rat): > 5.000 mg/kg

Acute dermal toxicity	:	LD50 Dermal (Rabbit): > 5.000 mg/kg
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#### Solvent naphtha (petroleum), heavy arom .:

Acute oral toxicity	:	LD50 Oral (Rat): > 5.000 mg/kg
Acute inhalation toxicity	:	LC50 (Rat): > 4,7 mg/l Exposure time: 4 h Test atmosphere: dust/mist Assessment: The substance or mixture has no acute inhala- tion toxicity

#### Skin corrosion/irritation

Causes skin irritation.

#### Serious eye damage/eye irritation

Causes serious eye irritation.

Respiratory or skin sensitisation

#### Skin sensitisation

May cause an allergic skin reaction.

#### **Respiratory sensitisation**

Not classified due to lack of data.

#### Germ cell mutagenicity

Not classified due to lack of data.

#### Carcinogenicity

Not classified due to lack of data.

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## Reproductive toxicity

Not classified due to lack of data.

### STOT - single exposure

Not classified due to lack of data.

#### STOT - repeated exposure

Not classified due to lack of data.

#### 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:**

## bis-[4-(2,3-epoxipropoxi)phenyl]propane:

Toxicity to fish	:	LC50 (Oncorhynchus mykiss (rainbow trout)): 2 mg/l Exposure time: 96 h			
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): 1,8 mg/l Exposure time: 48 h			
Polypropylene glycol-Epichlorhydrin-copolymer:					
Toxicity to fish	:	LC50 (Leuciscus idus (Golden orfe)): 67 mg/l Exposure time: 96 h			
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): 90 mg/l Exposure time: 48 h			

#### Solvent naphtha (petroleum), heavy arom.:

Toxicity to daphnia and other	:	EC50: 1,1 mg/l
aquatic invertebrates (Chron-		Exposure time: 48 h
ic toxicity)		Species: Daphnia magna (Water flea)

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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:

I TOULOLL		
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.	s according to ated regulation
2.7 Other adverse effects		
Product:		

## 12.

Product:		
Additional ecological infor-	:	An environmental hazard cannot be excluded in the event of
mation		unprofessional handling or disposal.
		Harmful to aquatic life with long lasting effects.

### **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.



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European Waste Catalogue	: 08 04 09* waste adhesives and sealants solvents or other dangerous substances	containing organic
Contaminated packaging	: 15 01 10* packaging containing residues by dangerous substances	of or contaminated

#### **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				
Not regulated as a dangerous good				
14.6 Special precautions for use	r			

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 International Chemical Weapons Convention (CWC) : Not applicable

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 Schedules of Toxic Chemicals and Precursors

 REACH Information:
 All substances contained in our Products are

 registered by our upstream suppliers, and/or
 registered by us, and/or
 excluded from the regulation, and/or
 exempted from the registration.

 REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances,
 Conditions of restriction for the following entries should be considered:

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Number on list 75:

(=> 0.1 %).

None of the components are listed

mixtures and articles (Annex XVII)

- REACH Candidate List of Substances of Very High Concern for Authorisation (Article 59).
- REACH List of substances subject to authorisation : Not applicable (Annex XIV)
- Regulation (EC) on substances that deplete the ozone : Not applicable layer
- Regulation (EU) 2019/1021 on persistent organic pollu- : Not applicable tants (recast)
- Netherlands. Substances of very high concern (ZZS-list) : Quartz (SiO2)
- Regulation (EU) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances. Not applicable

Volatile organic compounds	:	Law on the incentive tax for volatile organic compounds (VOCV) Volatile organic compounds (VOC) content: 0,11% w/w no VOC duties
		Directive 2010/75/EU of 24 November 2010 on industrial emissions (integrated pollution prevention and control) Volatile organic compounds (VOC) content: 0,11% w/w



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#### Other regulations:

Take note of Directive 92/85/EEC regarding maternity protection or stricter national regulations, where applicable.

#### 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	
H304 :	May be fatal if swallowed and enters airways.
H315 :	Causes skin irritation.
H317 :	May cause an allergic skin reaction.
H319 :	Causes serious eye irritation.
H335 :	May cause respiratory irritation.
H411 :	Toxic to aquatic life with long lasting effects.
H412 :	Harmful to aquatic life with long lasting effects.
Full text of other abbreviations	
Aquatic Chronic :	Long-term (chronic) aquatic hazard
Asp. Tox.	Aspiration hazard
Eye Irrit. :	Eye irritation
Skin Irrit. :	Skin irritation
Skin Sens. :	Skin sensitisation
STOT SE :	Specific target organ toxicity - single exposure
NL WG :	Netherlands. Law on Labour conditions - Occupational Expo- sure Limits
NL WG / TLV-8hr :	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
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
	test animals)
LC50 :	Median lethal concentration (concentrations of the chemical in
	air that kills 50% of the test animals during the observation
	period)
MARPOL :	International Convention for the Prevention of Pollution from
-	Ships, 1973 as modified by the Protocol of 1978
OEL :	Occupational Exposure Limit
PBT :	Persistent, bioaccumulative and toxic
PNEC :	Predicted no effect concentration
REACH :	Regulation (EC) No 1907/2006 of the European Parliament
	and of the Council of 18 December 2006 concerning the Reg-

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SVHC vPvB Further information			
Classification of the mixture	9:	Classification procedur	'e:
Skin Irrit. 2	H315	Calculation method	
Eye Irrit. 2	H319	Calculation method	
Skin Sens. 1	H317	Calculation method	
Aquatic Chronic 3	H412	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