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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> Injection Resin 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

Company name of supplier	:	Sika Norge AS
		Sanitetsveien 1
		2013 Skjetten
Telephone	:	+47 67 06 79 00
E-mail address of person responsible for the SDS	:	kundeservice@no.sika.com

#### **1.4 Emergency telephone number**

Giftinformasjonen: 22 59 13 00

#### **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.					
Serious eye damage, Category 1	H318: Causes serious eye damage.					
Skin sensitisation, Category 1	H317: May cause an allergic skin reaction.					
Long-term (chronic) aquatic hazard, Cat- egory 2	H411: Toxic to aquatic life with long lasting effects.					

#### 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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		uses serious eye damage. xic to aquatic life with long lasting	effects.
Precautionary statements :	P101	If medical advice is needed, hav container or label at hand.	ve product
	P102	Keep out of reach of children.	
	Prevention:		
	P273	Avoid release to the environmer	nt.
	P280	Wear protective gloves/ eye pro protection.	tection/ face
	Response:		
	P305 + P351 +	P338 + P310 IF IN EYES: Rinst with water for several minutes. If tact lenses, if present and easy tinue rinsing. Immediately call a CENTER/ doctor.	Remove con- to do. Con-
	P391	Collect spillage.	
	Disposal:		
	P501	Dispose of contents/container in with local regulation.	accordance

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

bis-[4-(2,3-epoxipropoxi)phenyl]propane reaction product: bisphenol F-(epichlorhydrin) epoxy resin (number average molecular weight <= 700) 1,4-bis(2,3 epoxypropoxy)butane

#### 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 %	>= 60 - < 80
reaction product: bisphenol F- (epichlorhydrin) epoxy resin (number average molecular weight <= 700)	9003-36-5 500-006-8 01-2119454392-40- XXXX	Skin Irrit. 2; H315 Skin Sens. 1; H317 Aquatic Chronic 2; H411	>= 25 - < 40
1,4-bis(2,3 epoxypropoxy)butane	2425-79-8 219-371-7 01-2119494060-45- XXXX	Acute Tox. 4; H302 Acute Tox. 4; H332 Acute Tox. 4; H312 Skin Irrit. 2; H315 Eye Irrit. 2; H319 Skin Sens. 1; H317 Repr. 1B; H360F Acute toxicity esti- mate Acute oral toxicity: 1.163 mg/kg	>= 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.

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

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	Consult a physician. Show this safety data	sheet to the doctor i	n attendance.	
If inhaled	: Move to fresh air. Consult a physician af	ter significant expos	ure.	
In case of skin contact	: Take off contaminated Wash off with soap an If symptoms persist, ca	d plenty of water.	immediately.	
In case of eye contact	: Small amounts splash sue damage and blind In the case of contact of water and seek med Continue rinsing eyes Remove contact lense Keep eye wide open w	ness. with eyes, rinse imm dical advice. during transport to h s.	nediately with plenty	
If swallowed	: Do not induce vomiting Rinse mouth with wate Do not give milk or alc Never give anything by	er. coholic beverages.		
4.2 Most important symptoms	and effects, both acute and	delaved		
Symptoms	: Allergic reactions Excessive lachrymatio Erythema Dermatitis See Section 11 for mo and symptoms.	n	on on health effects	
Risks	: irritant effects sensitising effects			
	Causes skin irritation. May cause an allergic Causes serious eye da			
	e medical attention and spe	ecial treatment nee	ded	
4.3 Indication of any immedia				

5.1 Extinguishing media		
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.

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

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5.2 Special hazards arising from	the	substance or mixture	
Specific hazards during fire- fighting	:	Do not allow run-off from fire fighting to courses.	enter drains or water
Hazardous combustion prod- ucts	:	No hazardous combustion products are	e known
5.3 Advice for firefighters			
Special protective equipment for firefighters	:	In the event of fire, wear self-contained	breathing apparatus.
Further information	:	Collect contaminated fire extinguishing must not be discharged into drains. Fire residues and contaminated fire ext be disposed of in accordance with local	inguishing water must

#### **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	:	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal.			

#### 6.4 Reference to other sections

For personal protection see section 8.

#### **SECTION 7: Handling and storage**

#### 7.1 Precautions for safe handling

Advice on safe handling	:	Avoid 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

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	used. Smoking, eating and drinking should be prohibite plication area. Follow standard hygiene measures when handlir products	•
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 us 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 can 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) :	Consult most current local Product Data Sheet p use.	rior to any

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

#### 8.1 Control parameters

#### **Occupational Exposure Limits**

Contains no substances with occupational exposure limit values.

#### 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	<ul> <li>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.</li> <li>Suitable for short time use or protection against splashes: Butyl rubber/nitrile rubber gloves (&gt; 0,1 mm)</li> </ul>

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			d.
Skin and body protection	long-sleeved w	hing (e.g. Safety shoes ad vorking clothing, long trou boots are additionaly rec rk.	sers). Rubber aprons
Respiratory protection	: No special me	asures required.	
Environmental exposure co	ntrols		
General advice		to surface water or sanita contaminates rivers and la norities.	

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

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

Physical state Colour	:	liquid yellow
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	exp	losive limits
Upper explosion limit / Upper explosion limit / Upper flammability limit	-	
Lower explosion limit / Lower flammability limit	:	No data available
Flash point	:	> 101 °C Method: closed cup
Auto-ignition temperature	:	No data available

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Decomposition temperature	:	No data available	
рН	:	Not applicable substance/mixture is non-soluble (in water)	
Viscosity			
Viscosity, dynamic	:	500 - 1.000 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	:	0,1 hPa	
Density	:	ca. 1,20 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 : Stable under recommended storage conditions.

#### 10.4 Conditions to avoid

Conditions to avoid : No data available

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#### 10.5 Incompatible materials

Materials to avoid

: Acids Amines

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

Not classified based on available information.

#### 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

#### 1,4-bis(2,3 epoxypropoxy)butane:

Acute oral toxicity : LD50 Oral (Rat): 1.163 mg/kg

#### Skin corrosion/irritation

Causes skin irritation.

#### Serious eye damage/eye irritation

Causes serious eye damage.

#### Respiratory or skin sensitisation

#### Skin sensitisation

May cause an allergic skin reaction.

#### Respiratory sensitisation

Not classified based on available information.

#### Germ cell mutagenicity

Not classified based on available information.

Carcinogenicity

Not classified based on available information.

#### **Reproductive toxicity**

Not classified based on available information.

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#### STOT - single exposure

Not classified based on available information.

#### STOT - repeated exposure

Not classified based on available information.

#### Aspiration toxicity

Not classified based on available information.

#### 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 : EC50 (Daphnia magna (Water flea)): 1,8 mg/l

Exposure time: 48 h

#### 12.2 Persistence and degradability

No data available

aquatic invertebrates

#### 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..



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#### **12.6 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.

#### 12.7 Other adverse effects

- Toddoll		
Additional ecological infor-	:	An environmental hazard cannot be excluded in the event of
mation		unprofessional handling or disposal.
		Toxic 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.
Waste Code	:	7051
European Waste Catalogue	:	08 04 09* waste adhesives and sealants containing organic solvents or other dangerous substances
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	:	UN 3082
IMDG	:	UN 3082

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ΙΑΤΑ	:	UN 3082	
14.2 UN proper shipping name	-		
ADR	:	ENVIRONMENTALLY HAZARDOUS SU N.O.S. (epoxy resin)	JBSTANCE, LIQUID,
IMDG	:	ENVIRONMENTALLY HAZARDOUS SU N.O.S. (epoxy resin)	JBSTANCE, LIQUID,
ΙΑΤΑ	:	Environmentally hazardous substance, li (epoxy resin)	iquid, n.o.s.
14.3 Transport hazard class(es)			
		Class Subsidiary risks	
ADR	:	9	
IMDG	:	9	
ΙΑΤΑ	:	9	
14.4 Packing group			
ADR Packing group Classification Code Hazard Identification Number Labels Tunnel restriction code Remarks		III M6 90 9 (-) Transport in accordance with special pro	ovision 375
IMDG Packing group Labels EmS Code Remarks		III 9 F-A, S-F Transport in accordance with 2.10.2.7 of	f the IMDG-Code
IATA (Cargo) Packing instruction (cargo aircraft)	:	964	
Packing instruction (LQ) Packing group Labels	:	Y964 III Miscellaneous	
Remarks	:	Transport in accordance with special reg	gulation A 197
IATA (Passenger) Packing instruction (passen- ger aircraft) Packing instruction (LQ)	:	964 Y964	
Packing group Labels	:	III Miscellaneous	



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14.5 Environmental hazards				

ADR Environmentally hazardous	:	yes
IMDG Marine pollutant	:	yes
IATA (Passenger) Environmentally hazardous	:	yes
IATA (Cargo) Environmentally hazardous	:	yes

#### 14.6 Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

#### 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 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, mixtures and articles (Annex XVII)	:	Conditions of restriction for the fol- lowing entries should be considered: Number on list 3
REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59).	:	None of the components are listed (=> 0.1 %).
REACH - List of substances subject to authorisation (Annex XIV)	:	Not applicable
Regulation (EU) No 2024/590 on substances that deplete the ozone layer	:	Not applicable

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Regulation (EU) 2019/1021 on p tants (recast)	ersistent organic pollu- : Not applicable				
Regulation (EU) No 649/2012 of the European Parlia- : Not applicable ment and the Council concerning the export and import of dangerous chemicals					
Seveso III: Directive 2012/18/EU jor-accident hazards involving da E2	of the European Parliament and of the Cou angerous substances. ENVIRONMENTAL HAZARDS	ncil on the control of ma-			
Volatile organic compounds :	<ul> <li>Law on the incentive tax for volatile organic compounds (VOCV)</li> <li>Volatile organic compounds (VOC) content: &lt; 0,01% w/w no VOC duties</li> </ul>				
	Directive 2010/75/EU of 24 November 207 livestock rearing emissions (integrated po and control) Volatile organic compounds (VOC) conter	llution prevention			

#### Other regulations:

Young people under the age of 18 are not allowed to use or be exposed to the product professionally. Young people above the age of 15 are, however, except from this rule if the product is a necessary part of their education.

#### 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

H302	:	Harmful if swallowed.		
H312	:	Harmful in contact with skin.		
H315	:	Causes skin irritation.		
H317	:	May cause an allergic skin reaction.		
H319	:	Causes serious eye irritation.		
H332	:	Harmful if inhaled.		
H360F	:	May damage fertility.		
H411	:	Toxic to aquatic life with long lasting effects.		
Full text of other abbreviations				
Acute Tox.	:	Acute toxicity		
Aquatic Chronic	:	Long-term (chronic) aquatic hazard		
Eye Irrit.	:	Eye irritation		

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Repr.	:	Reproductive toxicity
Skin Irrit.	:	Skin irritation
Skin Sens.	:	Skin sensitisation
ADR	:	European Agreement concerning the International Carriage of
<u></u>		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
		once, which causes the death of 50% (one half) of a group of
		test animals)
LC50	:	
		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-
		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

#### **Further information**

Classification of the mixture:		
H315	Calculation method	
H318	Calculation method	
H317	Calculation method	
H411	Calculation method	
	H315 H318 H317	

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 !

NO / EN



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