

Revision Date: 15.01.2025 Date of last issue: 01.10.2024 Version 15.0

Print Date 15.01.2025

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

1.1 Product identifier

Trade name

: Sikadur-Combiflex[®] Adhesive normal/rapid 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 Schweiz AG
		Tüffenwies 16
		8048 Zürich
Telephone	:	+41 58 436 40 40
Telefax	:	-
E-mail address of person	:	EHS@ch.sika.com
responsible for the SDS		

1.4 Emergency telephone number

Tox Info Suisse CH-8028 Zurich +41(0)44 251 51 51 / Speed calling: 145

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 12	72/2008)
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 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



Sikadur-Combiflex[®] Adhesive normal/rapid Part A

ision Date: 15.01.2025 e of last issue: 01.10.2024			Version 15.0	Print Date 15.01.202
Hazard statements	:	H317 H319	Causes skin irritation. May cause an allergic skin rea Causes serious eye irritation. Toxic to aquatic life with long la	
Precautionary statements	:	Prevention: P261 P264 P273 P280	Avoid breathing mist or va Wash skin thoroughly afte Avoid release to the envir Wear protective gloves/ e protection.	er handling. ronment.
		Response:		
		P333 + P313	If skin irritation or rash oco advice/ attention.	curs: Get medical
		P391	Collect spillage.	

Hazardous components which must be listed on the label:

bis-[4-(2,3-epoxipropoxi)phenyl]propane p-tert-butylphenyl 1-(2,3-epoxy)propyl ether

Additional Labelling

EUH211

Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

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.



Sikadur-Combiflex® Adhesive normal/rapid Part A

Revision Date: 15.01.2025 Date of last issue: 01.10.2024 Version 15.0

Print Date 15.01.2025

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 %	>= 25 - < 40
p-tert-butylphenyl 1-(2,3- epoxy)propyl ether	3101-60-8 221-453-2 01-2119959496-20- XXXX	Skin Sens. 1; H317 Aquatic Chronic 2; H411	>= 5 - < 10
(1-methylethyl)-1,1'-biphenyl Contains: diisopropyl-1,1'-biphenyl >= 9,9 %	25640-78-2 247-156-8 01-2119982993-17- XXXX	Eye Irrit. 2; H319 Asp. Tox. 1; H304 Aquatic Acute 1; H400 Aquatic Chronic 2; H411	>= 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 da Consult a phys Show this safet	•
If inhaled	Move to fresh a Consult a phys	ir. ician after significant exposure.
In case of skin contact		ninated clothing and shoes immediately. oap and plenty of water.

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

Sikadur-Combiflex[®] Adhesive normal/rapid Part A



Revision Date: 15.01.2025 Date of last issue: 01.10.2024	Versio	on 15.0	Print Date 15.01.2025
	If symptoms persist	t, call a physician.	
In case of eye contact	Remove contact ler Keep eye wide ope		
If swallowed	Rinse mouth with w Do not give milk or	iting without medical adv vater. alcoholic beverages. g by mouth to an uncons	
4.2 Most important symptoms a	l effects, both acute a	and delayed	
Symptoms	 Allergic reactions Excessive lachryma Erythema Dermatitis See Section 11 for and symptoms. 	ation more detailed informatio	on on health effects
Risks	: Causes skin irritatio May cause an aller Causes serious eye	gic skin reaction.	
	irritant effects sensitising effects		
4.3 Indication of any immediate	edical attention and	special treatment neec	ded
Treatment	: Treat symptomatica	-	
SECTION 5: Firefighting mean	ires		
5.1 Extinguishing media			
Suitable extinguishing media		water/water spray/water hol resistant foam/chem	
5.2 Special hazards arising from	he substance or mixt	ure	
Specific hazards during fire- fighting	: Do not allow run-of courses.	f from fire fighting to ent	er drains or water
Hazardous combustion prod- ucts	: No hazardous com	bustion products are kno	own
5.3 Advice for firefighters			
Special protective equipment for firefighters	: In the event of fire,	wear self-contained bre	athing apparatus.
 5.2 Special hazards arising from Specific hazards during fire- fighting Hazardous combustion prod- ucts 5.3 Advice for firefighters Special protective equipment 	ide/sand/foam/alco extinction. he substance or mixt Do not allow run-of courses. No hazardous com	hol resistant foam/chem t ure f from fire fighting to ent bustion products are kno	nical powder for ter drains or water own



Revision Date: 15.01.2025 Date of last issue: 01.10.2024	Version 15.0	Print Date 15.01.2025
Further information :	Collect contaminated fire extinguishing water must not be discharged into drains. Fire residues and contaminated fire extinguis be disposed of in accordance with local regu	shing water must
SECTION 6: Accidental release	measures	
6.1 Personal precautions, protectiv	e equipment and emergency procedures	
Personal precautions :	Use personal protective equipment. Deny access to unprotected persons.	
6.2 Environmental precautions		
Environmental precautions :	Do not flush into surface water or sanitary see If the product contaminates rivers and lakes respective authorities.	
6.3 Methods and material for conta	inment and cleaning up	
Methods for cleaning up :	Soak up with inert absorbent material (e.g. s acid binder, universal binder, sawdust). Keep in suitable, closed containers for dispo	
6.4 Reference to other sections		

6.4 Reference to other sections

For personal protection see section 8.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

•		
Advice on safe handling	:	 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 asthma, 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 application 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



Revision Date: 15.01.2025	Version 15.0	Print Date 15.01.2025
Date of last issue: 01.10.2024		
	practice. When using do not eat or drink smoke. Wash hands before breaks and	
7.2 Conditions for safe storage, inc	luding any incompatibilities	
Requirements for storage : areas and containers	Keep container tightly closed in a dry an place. Store in accordance with local rec	
Further information on stor- : age stability	No decomposition if stored and applied a	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

I				
Components	CAS-No.	Value type (Form	Control parame-	Basis *
		of exposure)	ters *	

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	 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. Suitable for permanent exposure: Viton gloves (0.4 mm), breakthrough time >30 min.
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	: No special measures required.
Country CH 000000118801	6 / 16



Revision Date: 15.01.2025
Date of last issue: 01.10.2024

Version 15.0

Print Date 15.01.2025

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

Physical state Appearance Colour		liquid paste grey
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 e	vn	losivo 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	:	Not applicable
Decomposition temperature	:	No data available
рН	:	ca. 6 (20 °C) Concentration: 500 g/l 50 %
Viscosity Viscosity, kinematic	:	> 20,5 mm2/s (40 °C)

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Revision Date: 15.01.2025 Date of last issue: 01.10.2024	Version 15.0	Print Date 15.01.2025
Solubility(ies) Water solubility	: insoluble	
Partition coefficient: n- octanol/water	: No data available	
Vapour pressure Density	: 0,01 hPa : ca. 1,73 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 : No data available

10.6 Hazardous decomposition products

No hazardous decomposition products are known.



Revision Date: 15.01.2025 Date of last issue: 01.10.2024 Version 15.0

Print Date 15.01.2025

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:

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				
p-tert-butylphenyl 1-(2,3-ep	оху)propyl ether:				
Acute oral toxicity	:	LD50 Oral (Rat): > 5.000 mg/kg				
Acute inhalation toxicity	:	LC50 (Rat): 3.466 mg/l Exposure time: 4 h Test atmosphere: dust/mist				
Acute dermal toxicity	:	LD50 Dermal (Rabbit): 6.000 mg/kg				
(1-methylethyl)-1,1'-biphen	yl:					
Acute oral toxicity	:	LD50 Oral (Rat): 4.650 mg/kg Method: OECD Test Guideline 401				
Skin corrosion/irritation						
Causes skin irritation.						
Serious eye damage/eye irritation Causes serious eye irritation.						
Respiratory or skin sensitis	satio	on				
Skin sensitisation						
May cause an allergic skin re	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.						
Reproductive toxicity						

Cuptry CH 000000118801

Not classified due to lack of data.





Revision Date: 15.01.2025 Date of last issue: 01.10.2024 Version 15.0

Print Date 15.01.2025

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			

(1-methylethyl)-1,1'-biphenyl:

Toxicity to daphnia and other	:	LC50 (Daphnia magna (Water flea)): 0,167 mg/l
aquatic invertebrates		Exposure time: 48 h

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



Sikadur-Combiflex[®] Adhesive normal/rapid Part A

Revision Date: 15.01.2025 Date of last issue: 01.10.2024	Version 15.0	Print Date 15.01.2025
	to be either persistent, bioaccumulative and tox very persistent and very bioaccumulative (vPvB 0.1% or higher	
12.6 Endocrine disrupting propert	ies	
Product:		
Assessment	The substance/mixture does not contain component ered to have endocrine disrupting properties ac REACH Article 57(f) or Commission Delegated (EU) 2017/2100 or Commission Regulation (EU levels of 0.1% or higher.	cording to regulation
12.7 Other adverse effects		
Product: Additional ecological infor- mation	An environmental hazard cannot be excluded ir unprofessional handling or disposal. Toxic to aquatic life with long lasting effects.	the event of

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 Switzerlar	: 08 01 11 [S] Paint and varnish waste containing organic sol-
VeVA/LVA	vents or other hazardous substances

SECTION 14: Transport information

14.1 UN number or ID number

ADR	:	UN 3077
IMDG	:	UN 3077

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



Sikadur-Combiflex[®] Adhesive normal/rapid Part A

	Version 15.0	Print Date 15.01.20
•		
:	ENVIRONMENTALLY HAZARDOUS S N.O.S. (epoxy resin)	UBSTANCE, SOLID,
:	ENVIRONMENTALLY HAZARDOUS S N.O.S. (epoxy resin)	UBSTANCE, SOLID,
:	Environmentally hazardous substance, mentally hazardous substance, solid, n. (epoxy resin)	
)		
	Class Subsidiary risks	
:	9	
:	9	
:	9	
:	III	
:		
r :		
:	Transport in accordance with special pr	ovision 375
:	Ш	
:	9	
:		
:	I ransport in accordance with 2.10.2.7 c	of the IMDG-Code
:	956	
	Y956	
÷	III	
:	Miscellaneous	
:	Transport in accordance with special re	gulation A 197
:	956	
	Y956	
		 ENVIRONMENTALLY HAZARDOUS S N.O.S. (epoxy resin) ENVIRONMENTALLY HAZARDOUS S N.O.S. (epoxy resin) Environmentally hazardous substance, mentally hazardous substance, solid, n (epoxy resin) Class Subsidiary risks 9 9 9 9 9 (-) Transport in accordance with special pr III 9 F-A, S-F Transport in accordance with 2.10.2.7 c 956 Y956 III Miscellaneous Transport in accordance with special re

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



Sikadur-Combiflex[®] Adhesive normal/rapid Part A

Revision Date: 15.01.2025 Date of last issue: 01.10.2024	Version 15.0	Print Date 15.01.2025		
Labels	: Miscellaneous			
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 : Conditions of restriction for the following entries should be considered: the market and use of certain dangerous substances, mixtures and articles (Annex XVII) Number on list 3 Number on list 75: REACH - Candidate List of Substances of Very High : None of the components are listed Concern for Authorisation (Article 59). (=> 0.1 %). REACH - List of substances subject to authorisation : Not applicable (Annex XIV)

Sikadur-Combiflex[®] Adhesive normal/rapid Part A



5

Revision Date: 15.01.2025 Date of last issue: 01.10.2024	Version 15.0	Print Date 15.01.2025
Regulation (EC) on substances layer	that deplete the ozone : Not applicable	
Regulation (EU) 2019/1021 on tants (recast)	persistent organic pollu- : Not applicable	
PIC Ordinance, ChemPICO (81	4.82) : Not applicable	
Ordinance on Protection agains Threshold quantity according to nance (MAO 814.012)		
Chemical Risk Reduction Ordin (ORRChem, SR 814.81)	ance : Conditions of restriction for the for should be considered: Annex 1.11 Dangerous liquid sub	-
Waters Protection Ordinance (V	e 1	
Water pollution class	 obviously hazardous to water Classification according to AwSV, Annex 1 	(5.2)
Volatile organic compounds	 Law on the incentive tax for volatile organic (VOCV) Volatile organic compounds (VOC) content: no VOC duties 	
	Directive 2010/75/EU of 24 November 2010 emissions (integrated pollution prevention a Volatile organic compounds (VOC) content:	and control)

Other regulations:

Article 13 Maternity ordinance (SR 822.111.52): Expectant and nursing mothers are only permitted to come into contact with this product during the course of their work if, based on a risk assessment carried out in accordance with Article 63 of Ordinance 1 on the Employment Act (ArGV 1) (SR 822.111), the chemicals in question have been found not to cause any specific harm to mothers or children or if such harm can be ruled out by taking appropriate protective measures.

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

Young people undergoing basic vocational training may only work with this product if the relevant training ordinance makes provision for them to do so with a view to enabling them to achieve their training objectives and if the preconditions for the training plan have been met and the applicable age restrictions have been complied with. Young people who are not completing any basic vocational training are not permitted to work with this product. Employees of either sex who are under 18 years old are classed as young people.

Sikadur-Combiflex [®] Adhesive normal/rapid Part A			
Revision Date: 15.01.2025 Date of last issue: 01.10.2024	Version 15.0		

according to Regulation (EC) No. 1907/2006, as amended by Commission Regula-

15.2 Chemical safety assessment

SAFETY DATA SHEET

tion (EU) 2020/878

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.			
H400 :	Very toxic to aquatic life.			
H411 :	Toxic to aquatic life with long lasting effects.			
Full text of other abbreviations				
Aquatic Acute :	Short-term (acute) aquatic hazard			
Aquatic Chronic :	Long-term (chronic) aquatic hazard			
Asp. Tox. :	Aspiration hazard			
Eye Irrit. :	Eye irritation			
Skin Irrit. :	Skin irritation			
Skin Sens. :	Skin sensitisation			
ADR :	European Agreement concerning the International Carriage of			
	Dangerous Goods by Road			
CAS :	Chemical Abstracts Service			
DNEL :	Derived no-effect level			
EC50 :	Half maximal effective concentration			
GHS :	Globally Harmonized System			
IATA :	International Air Transport Association			
IMDG :	International Maritime Code for Dangerous Goods			
LD50 :	Median lethal dosis (the amount of a material, given all at			
	once, which causes the death of 50% (one half) of a group of			
1.050	test animals)			
LC50 :	Median lethal concentration (concentrations of the chemical in			
	air that kills 50% of the test animals during the observation period)			
MARPOL :	International Convention for the Prevention of Pollution from			
MARFOL .	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:

Classification procedure:



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

Sikadur-Combiflex[®] Adhesive normal/rapid Part A



Revision Date: 15.01.2025 Date of last issue: 01.10.2024			Print Date 15.01.2025
Skin Irrit. 2	H315	Calculation method	
Eye Irrit. 2	H319	Calculation method	
Skin Sens. 1	H317	Calculation method	
Aquatic Chronic 2	H411	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 !

CH / EN