

SAFETY DATA SHEET

In accordance with the Regulations on the content of the safety data sheet
("Sl. glasnik RS", br. 100/2011)



SikaPower®-4720 Part B

Revision Date 22.03.2024

Version 1.0

Print Date 16.12.2025

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

1.1 Product identifier

Trade name : SikaPower®-4720 Part B

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 Srbija d.o.o.
Patrijarha Pavla 1
22310 Šimanovci
Srbija

Telephone : +381 22 21 55 777
Telefax : +381 22 21 55 780
E-mail address of person responsible for the SDS : ehs@rs.sika.com

1.4 Emergency telephone number

National Toxicology Institute -
+381 11 360 84 40 (toxicologist on duty - 0- 24h)

SECTION 2: Hazards identification

Type of product : Mixture

2.1 Classification of the substance or mixture

Classification (according to CLP/GHS)

Skin corrosion, Sub-category 1B
Serious eye damage, Category 1
Skin sensitisation, Category 1

H314: Causes severe skin burns and eye damage.
H318: Causes serious eye damage.
H317: May cause an allergic skin reaction.

2.2 Label elements

Labelling (according to CLP/GHS)

Hazard pictograms :



Signal word : Danger

Hazard statements : H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.

Precautionary statements : Prevention:

SAFETY DATA SHEET

In accordance with the Regulations on the content of the safety data sheet
("Sl. glasnik RS", br. 100/2011)



SikaPower®-4720 Part B

Revision Date 22.03.2024

Version 1.0

Print Date 16.12.2025

P261 Avoid breathing mist or vapours.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response:

P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
P304 + P340 + P310 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/ doctor.
P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor.

Hazardous components which must be listed on the label:

3,3'-oxybis(ethyleneoxy)bis(propylamine)
2-ethyl-4-methylimidazole

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.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Components

Chemical name	CAS-No. EC-No. Registration number	Classification (according to CLP/GHS)	Concentration (% w/w)
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3,3'-oxybis(ethyleneoxy)bis(propylamine)	4246-51-9 224-207-2 01-2119963377-26-XXXX	Skin Corr. 1B; H314 Eye Dam. 1; H318 Skin Sens. 1; H317	>= 10 - < 20
2,4,6-tris(dimethylaminomethyl)phenol Contains: bis[(dimethylamino)methyl]phenol <= 15 %	90-72-2 202-013-9 01-2119560597-27-XXXX	Acute Tox. 4; H302 Skin Corr. 1C; H314 Eye Dam. 1; H318	>= 5 - < 10
2-ethyl-4-methylimidazole	931-36-2 213-234-5	Acute Tox. 4; H302 Skin Irrit. 2; H315	>= 2,5 - < 3

SAFETY DATA SHEET

In accordance with the Regulations on the content of the safety data sheet
("Sl. glasnik RS", br. 100/2011)



SikaPower®-4720 Part B

Revision Date 22.03.2024

Version 1.0

Print Date 16.12.2025

	01-2119980935-21-XXXX	Eye Dam. 1; H318 Skin Sens. 1; H317	
2-methylpentane-1,5-diamine	15520-10-2 239-556-6 01-2119976310-41-XXXX	Acute Tox. 4; H302 Acute Tox. 4; H332 Acute Tox. 4; H312 Skin Corr. 1A; H314 Eye Dam. 1; H318 STOT SE 3; H335 (Respiratory sys- tem)	>= 1 - < 2,5
bis[(dimethylamino)methyl]phenol	71074-89-0 275-162-0	Skin Corr. 1B; H314	>= 1 - < 2,5
4-methylimidazole	822-36-6 212-497-3	Acute Tox. 4; H302 Acute Tox. 3; H311 Skin Corr. 1; H314 Eye Dam. 1; H318 Carc. 2; H351 STOT SE 3; H335 (Respiratory sys- tem)	< 1

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.
Immediate medical treatment is necessary as untreated wounds from corrosion of the skin heal slowly and with difficulty.

In case of eye contact : Small amounts splashed into eyes can cause irreversible tissue damage and blindness.
In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Continue rinsing eyes during transport to hospital.
Remove contact lenses.
Keep eye wide open while rinsing.

SAFETY DATA SHEET

In accordance with the Regulations on the content of the safety data sheet
("Sl. glasnik RS", br. 100/2011)



SikaPower®-4720 Part B

Revision Date 22.03.2024

Version 1.0

Print Date 16.12.2025

If swallowed : Do not induce vomiting without medical advice.
Rinse mouth with water.
Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms : Allergic reactions
Dermatitis
See Section 11 for more detailed information on health effects and symptoms.

Risks : Health injuries may be delayed.
corrosive effects
sensitising effects

May cause an allergic skin reaction.
Causes serious eye damage.
Causes severe burns.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment : Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : In case of fire, use water/water spray/water jet/carbon dioxide/sand/foam/alcohol resistant foam/chemical powder for extinction.

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products : No hazardous combustion products are known

5.3 Advice for firefighters

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

Further information : Standard procedure for chemical fires.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

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

SAFETY DATA SHEET

In accordance with the Regulations on the content of the safety data sheet
("Sl. glasnik RS", br. 100/2011)



SikaPower®-4720 Part B

Revision Date 22.03.2024

Version 1.0

Print Date 16.12.2025

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 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 practice. When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Store in accordance with local regulations.

Further information on storage stability : No decomposition if stored and applied as directed.

7.3 Specific end use(s)

Specific use(s) : Consult most current local Product Data Sheet prior to any

SAFETY DATA SHEET

In accordance with the Regulations on the content of the safety data sheet
("Sl. glasnik RS", br. 100/2011)



SikaPower®-4720 Part B

Revision Date 22.03.2024

Version 1.0

Print Date 16.12.2025

use.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

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 Wear eye/face protection.
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.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	: liquid
Appearance	: viscous liquid
Colour	: beige
Odour	: amine-like

Melting point/range / Freezing point : No data available

Boiling point/boiling range : No data available

SAFETY DATA SHEET

In accordance with the Regulations on the content of the safety data sheet
("Sl. glasnik RS", br. 100/2011)



SikaPower®-4720 Part B

Revision Date 22.03.2024

Version 1.0

Print Date 16.12.2025

Flammability (solid, gas) : No data available

Upper/lower flammability or explosive limits

Upper explosion limit / Upper flammability limit : No data available

Lower explosion limit / Lower flammability limit : No data available

Flash point : > 93,4 °C
Method: closed cup

Auto-ignition temperature : No data available

Decomposition temperature : No data available

pH : Not applicable
substance/mixture is non-soluble (in water)

Viscosity

Viscosity, kinematic : > 10000 mm²/s (40 °C)

Solubility(ies)

Water solubility : insoluble

Partition coefficient: n-octanol/water : No data available

Vapour pressure : 0,0133322 hPa

Density : 1,13 g/cm³ (20 °C)

Relative vapour density : 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

Country RS 100000003307

7 / 15

SAFETY DATA SHEET

In accordance with the Regulations on the content of the safety data sheet
("Sl. glasnik RS", br. 100/2011)



SikaPower®-4720 Part B

Revision Date 22.03.2024

Version 1.0

Print Date 16.12.2025

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 and applied as directed.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Not classified based on available information.

Components:

3,3'-oxybis(ethyleneoxy)bis(propylamine):

Acute oral toxicity : LD50 Oral (Rat): ca. 3.560 mg/kg

Acute dermal toxicity : LD50 Dermal (Rabbit): > 2.500 mg/kg

2,4,6-tris(dimethylaminomethyl)phenol:

Acute oral toxicity : LD50 (Rat): > 1.999 mg/kg

Remarks: Harmful if swallowed.

Annex VI - Harmonised
REGULATION (EC) No 1272/2008

2-methylpentane-1,5-diamine:

Acute oral toxicity : LD50 Oral (Rat): 1.170 mg/kg

Acute toxicity estimate: 1.170 mg/kg
Method: Calculation method

Acute dermal toxicity : LD50 Dermal (Rabbit): 1.870 mg/kg

Acute toxicity estimate: 1.870 mg/kg
Method: Calculation method

4-methylimidazole:

Acute oral toxicity : LD50 Oral (Rat): 751 mg/kg

Acute toxicity estimate: 751 mg/kg
Method: Calculation method

Acute dermal toxicity : LD50 Dermal (Rabbit): 440 mg/kg

Acute toxicity estimate: 440 mg/kg
Method: Calculation method

SAFETY DATA SHEET

In accordance with the Regulations on the content of the safety data sheet
("Sl. glasnik RS", br. 100/2011)



SikaPower®-4720 Part B

Revision Date 22.03.2024

Version 1.0

Print Date 16.12.2025

Skin corrosion/irritation

Causes severe burns.

Components:

2,4,6-tris(dimethylaminomethyl)phenol:

Species: Rabbit

Assessment: Corrosive

Method: OECD Test Guideline 404

Assessment: irritating

Remarks: Annex VI - Harmonised

REGULATION (EC) No 1272/2008

Serious eye damage/eye irritation

Causes serious eye damage.

Components:

2,4,6-tris(dimethylaminomethyl)phenol:

Species: Rabbit

Assessment: Causes serious eye damage.

Assessment: irritating

Remarks: Annex VI - Harmonised

REGULATION (EC) No 1272/2008

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.

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.

SAFETY DATA SHEET

In accordance with the Regulations on the content of the safety data sheet
("Sl. glasnik RS", br. 100/2011)



SikaPower®-4720 Part B

Revision Date 22.03.2024

Version 1.0

Print Date 16.12.2025

SECTION 12: Ecological information

12.1 Toxicity

Components:

2,4,6-tris(dimethylaminomethyl)phenol:

Toxicity to algae : EC50 (Scenedesmus capricornutum (fresh water algae)): > 10 - 100 mg/l
Exposure time: 72 h

4-methylimidazole:

Toxicity to fish : LC50 (Leuciscus idus (Golden orfe)): 34 mg/l
Exposure time: 96 h

Toxicity to algae : EC50 (Desmodesmus subspicatus (green algae)): 2 mg/l
Exposure time: 72 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 to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Other adverse effects

Product:

Endocrine disrupting potential : 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.

Additional ecological information : There is no data available for this product.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

SAFETY DATA SHEET

In accordance with the Regulations on the content of the safety data sheet
("Sl. glasnik RS", br. 100/2011)



SikaPower®-4720 Part B

Revision Date 22.03.2024

Version 1.0

Print Date 16.12.2025

Product	: The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
European Waste Catalogue	: 08 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 3267
IMDG	: UN 3267
IATA	: UN 3267

14.2 UN proper shipping name

ADR	: CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (3,3'-oxybis(ethyleneoxy)bis(propylamine))
IMDG	: CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (3,3'-oxybis(ethyleneoxy)bis(propylamine))
IATA	: Corrosive liquid, basic, organic, n.o.s. (3,3'-oxybis(ethyleneoxy)bis(propylamine))

14.3 Transport hazard class(es)

	Class	Subsidiary risks
ADR	: 8	
IMDG	: 8	
IATA	: 8	

14.4 Packing group

ADR	
Packing group	: III

SAFETY DATA SHEET

In accordance with the Regulations on the content of the safety data sheet
("Sl. glasnik RS", br. 100/2011)



SikaPower®-4720 Part B

Revision Date 22.03.2024

Version 1.0

Print Date 16.12.2025

Classification Code : C7
Hazard Identification Number : 80
Labels : 8
Tunnel restriction code : (E)
Remarks : Transport according to chapter 3.4 (LQ) possible

IMDG

Packing group : III
Labels : 8
EmS Code : F-A, S-B

IATA (Cargo)

Packing instruction (cargo aircraft) : 856
Packing instruction (LQ) : Y841
Packing group : III
Labels : Corrosive

IATA (Passenger)

Packing instruction (passenger aircraft) : 852
Packing instruction (LQ) : Y841
Packing group : III
Labels : Corrosive

14.5 Environmental hazards

ADR

Environmentally hazardous : no

IMDG

Marine pollutant : no

IATA (Passenger)

Environmentally hazardous : no

IATA (Cargo)

Environmentally hazardous : no

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

SAFETY DATA SHEET

In accordance with the Regulations on the content of the safety data sheet
("Sl. glasnik RS", br. 100/2011)



SikaPower®-4720 Part B

Revision Date 22.03.2024

Version 1.0

Print Date 16.12.2025

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.

Rule book on Bans and Restrictions of Production, Placing on the Market and Use of Chemicals (State Gazette, Nr. 90/2013, 25/2015, 2/2016, 44/2017, 36/2018, 9/2020 and 57/2022) (Annex 1)

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59).

REACH - List of substances subject to authorisation (Annex XIV)

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer

Regulation (EU) 2019/1021 on persistent organic pollutants (recast)

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)
no VOC duties

Directive 2010/75/EU of 24 November 2010 on industrial emissions (integrated pollution prevention and control)
Volatile organic compounds (VOC) content: 2% w/w

Other regulations:

Rulebook on the content of a safety data sheet (Official Gazette No. 100/11)

Rulebook on classification, packaging, labeling and advertising of chemicals and products in accordance with UN Globally Harmonized System of Classification and Labelling ("State Gazz. RS", 105/2013, 52/2017, 21/2019, 40/2023).

Law on chemicals ("Off. gazette RS" No. 36/09, 88/10, 92/11, 93/12 and 25/15)

SAFETY DATA SHEET

In accordance with the Regulations on the content of the safety data sheet
("Sl. glasnik RS", br. 100/2011)



SikaPower®-4720 Part B

Revision Date 22.03.2024

Version 1.0

Print Date 16.12.2025

Law on waste management ("Off. Gazette RS" No. 36/09, 88/10, 14/16, 95/18)

Rulebook on categories, testing and classification of waste ("Off. gazette RS" No. 56/10, 93/19 and 39/21)

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.
H311	: Toxic in contact with skin.
H312	: Harmful in contact with skin.
H314	: Causes severe skin burns and eye damage.
H315	: Causes skin irritation.
H317	: May cause an allergic skin reaction.
H318	: Causes serious eye damage.
H332	: Harmful if inhaled.
H335	: May cause respiratory irritation.
H351	: Suspected of causing cancer.

Full text of other abbreviations

Acute Tox.	: Acute toxicity
Carc.	: Carcinogenicity
Eye Dam.	: Serious eye damage
Skin Corr.	: Skin corrosion
Skin Irrit.	: Skin irritation
Skin Sens.	: Skin sensitisation
STOT SE	: Specific target organ toxicity - single exposure
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 dose (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

SAFETY DATA SHEET

In accordance with the Regulations on the content of the safety data sheet
("Sl. glasnik RS", br. 100/2011)



SikaPower®-4720 Part B

Revision Date 22.03.2024

Version 1.0

Print Date 16.12.2025

and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency

SVHC : Substances of Very High Concern
vPvB : Very persistent and very bioaccumulative

Further information

Classification of the mixture:

Skin Corr. 1B H314
Eye Dam. 1 H318
Skin Sens. 1 H317

Classification procedure:

Calculation method
Calculation method
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 !

RS / EN