

Version 1.1

Print Date 30.01.2025

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

1.1 Product identifier

Trade name

: Sikagard[®] M 338 Part B

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

Product use

: Epoxy coating, Product is not intended for consumer use, For professional users only.

1.3 Details of the supplier of the safety data sheet

Company name of supplier	:	Sika Poland Spółka z o.o.
		Karczunkowska 89
		02-871 Warszawa
Telephone	:	+48 22 27 28 700
Telefax	:	+48 22 27 28 800
E-mail address of person	:	EHS@pl.sika.com
responsible for the SDS		

1.4 Emergency telephone number

112

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)

Hazard pictograms



Signal word

Warning

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Hazard statements	H317 H319	Causes skin irritation. May cause an allergic skin reactior Causes serious eye irritation. Toxic to aquatic life with long lastin		
Precautionary statements	Prevention: P261 P264 P273 P280	Avoid breathing mist or vapou Wash skin thoroughly after ha Avoid release to the environm Wear protective gloves/ eye p protection.	andling. nent.	
	Response: P333 + P313 P391	If skin irritation or rash occurs advice/ attention. Collect spillage.	: Get medical	

Hazardous components which must be listed on the label:

bis-[4-(2,3-epoxipropoxi)phenyl]propane Reaction mass of isomers of epoxy resin BFDGE p-tert-butylphenyl 1-(2,3-epoxy)propyl ether

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 mass of isomers of epoxy resin BFDGE	Not Assigned 701-263-0 01-2119454392-40- XXXX	Skin Irrit. 2; H315 Skin Sens. 1A; H317 Aquatic Chronic 2; H411	>= 10 - < 20
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	>= 0,5 - < 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. If symptoms persist, call a physician.

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In case of eye contact	:	Immediately flush eye(s) with plenty of water. Remove contact lenses. 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 unconscio	
4.2 Most important symptom	s and	effects, both acute and delayed	
Symptoms	:	 Allergic reactions Excessive lachrymation Erythema Dermatitis See Section 11 for more detailed information c and symptoms. 	on health effects
Risks	:	Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation.	
		irritant effects sensitising effects	
4.3 Indication of any immedia	ate m	edical attention and special treatment needed	
Treatment		Treat symptomatically.	

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.
5.2 Special hazards arising from	the	e substance or mixture
Specific hazards during fire- fighting	:	Do not allow run-off from fire fighting to enter drains or water courses.
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 breathing apparatus.
Further information	:	Collect contaminated fire extinguishing water separately. This



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must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protect	tive	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 cont	taiı	nment 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.



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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 re- sealed and kept upright to prevent leakage. Store in accord- ance with local regulations.
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 Sheet prior to any use.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

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

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 PL 000000720016	6



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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 Colour	:	liquid transparent
Odour	:	slight
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 explosive limits

Upper explosion limit / Upper flammability limit	:	No data available
Lower explosion limit / Lower flammability limit	:	No data available
Flash point	:	> 100 °C Method: closed cup
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
рН	:	Not applicable substance/mixture is non-soluble (in water)
Viscosity		
Viscosity, kinematic	:	No data available

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Solubility(ies) Water solubility : No	o data available	
Partition coefficient: n- : No octanol/water	o data available	
	01 hPa a. 1,16 g/cm3 (20 °C)	

: No data available

- Particle characteristics : No data available

9.2 Other information

No data available

Relative vapour density

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.



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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)ph	eny	I]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
Skin corrosion/irritation Causes skin irritation.		
Serious eye damage/eye irr Causes serious eye irritation.		ion
Respiratory or skin sensitis	satio	on
Skin sensitisation May cause an allergic skin re	acti	on.
Respiratory sensitisation		
Not classified due to lack of c	lata.	
Germ cell mutagenicity		
Not classified due to lack of c	lata.	
Carcinogenicity Not classified due to lack of d	lata.	
Reproductive toxicity		
Not classified due to lack of c	lata.	
STOT - single exposure		
Not classified due to lack of c	lata.	
STOT - repeated exposure		

Not classified due to lack of data.



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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

Reaction mass of isomers of epoxy resin BFDGE:

Toxicity to fish	:	LC50 (Leuciscus idus (Golden orfe)): 2,54 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	:	LC50 (Daphnia magna (Water flea)): 2,55 mg/l Exposure time: 48 h
Toxicity to algae/aquatic plants	:	EC50 (algae): 1,8 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



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		to be either persistent, bioaccumulative a very persistent and very bioaccumulative 0.1% or higher	
12.6 Endocrine disrupting prope	ertie	6	
Product:			
Assessment	:	The substance/mixture does not contain of ered to have endocrine disrupting propert REACH Article 57(f) or Commission Dele (EU) 2017/2100 or Commission Regulation levels of 0.1% or higher.	ties according to gated regulation
12.7 Other adverse effects			
Product:			
Additional ecological infor- mation	:	An environmental hazard cannot be exclu unprofessional handling or disposal. Toxic to aquatic life with long lasting effect	

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.

SECTION 14: Transport information

14.1 UN number or ID number

ADR	:	UN 3082
IMDG	:	UN 3082
ΙΑΤΑ	:	UN 3082

14.2 UN proper shipping name

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ADR	: ENVIRONM N.O.S. (epoxy resin	ENTALLY HAZARDOUS (SUBSTANCE, LIQUID,	
IMDG	N.O.S.	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,		
ΙΑΤΑ	: Environmen (epoxy resin	tally hazardous substance	, liquid, n.o.s.	
4.3 Transport hazard class(es)				
	Class	Subsidiary risks	b	
ADR	: 9			
IMDG	: 9			
IATA	: 9			
4.4 Packing group				
ADR Packing group Classification Code Hazard Identification Number Labels Tunnel restriction code	: III : M6 : 90 : 9 : (-)			
IMDG Packing group Labels EmS Code	: III : 9 : F-A, S-F			
IATA (Cargo) Packing instruction (cargo aircraft) Packing instruction (LQ) Packing group Labels	: 964 : Y964 : III : Miscellaneo	us		
IATA (Passenger) Packing instruction (passen- ger aircraft) Packing instruction (LQ) Packing group Labels	: 964 : Y964 : III : Miscellaneo			
4.5 Environmental hazards				
ADR Environmentally hazardous	: yes			
IMDG Marine pollutant	: yes			
IATA (Passenger) Environmentally hazardous	: yes			

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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 containe - registered by our upst - registered by us, and/ - excluded from the reg - exempted from the reg	tream suppliers, and/or /or gulation, and/or		
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	
			Number on list 75:	
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 (EC) on substances that deplete the ozone layer			Not applicable	
Regulation (EU) 2019/1021 on persistent organic pollu- tants (recast)		:	Not applicable	
Regulation (EU) No 649/2012 of	the European Parlia-	:	Not applicable	



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ment 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. E2 ENVIRONMENTAL HAZARDS

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) Not applicable

Other regulations:

Act of February 25, 2011 on chemical substances and their mixtures (i.e. Journal of Laws of 2020, item 2289)

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 (Official Journal of the European Union L 353 from 31.12.2008) with further adaptation to technical progress (ATP).

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC (Official Journal of the European Union L 396 from 30.12.2006, as amended).

Commission Regulation (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

Ordinance of the Minister of Family, Labour and Social Policy of 12 June 2018 concerning the highest allowable concentrations and levels of the agents harmful for health in the workplace (Dz.U 2018 pos 1286, with later amendments).

Ordinance of the Minister of Health of 2nd February 2011 concerning tests and measurement of agents harmful for health in the workplace (Dz. U. Nr. 33, item 166 with later amendments).

Ordinance of the Minister of Health of 30th December 2004 on the health and safety of workers related to chemical agents at work (consolidated text, Journal of Laws 2016 no. 0 item 1488)

Act of 14 December 2012. on Waste (Journal of Laws of 2013. pos. 21, as amended).

Act of 13 June 2013. On packaging and packaging waste (Journal. U. of 2013. Item. 888, as



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amended).

Ordinance of the Minister of Climate of 2nd January 2020 on Waste Catalog (Dz. U. 2020 item 10).

Ordinance of the Minister of Environment on the requirements for carrying out the process of thermal treatment of waste and how to deal with waste produced in the process. (Dz. U. of 2016., Pos. 108)

Act of 19 August 2011 on transport of dangerous goods (Dz. U. Nr. 227, item 1367, as amended).

Government Statement of February 15, 2021 on the entry into force of amendments to Annexes A and B to Agreement concerning the International Carriage of Dangerous Goods by Road (ADR), drawn up in Geneva on September 30, 1957 (Journal of Laws 202 poz.874 as amended)

Act of July 29, 2005 on drug addiction prevention (Journal of Laws of 2005, No. 179, item 1485, with later amendments)

Regulation (EU) 2016/425 of the European Parliament and of the Council of 9 March 2016 on personal protective equipment and repealing Council Directive 89/686/EEC

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					
H315	:	Causes skin irritation.			
H317	:	May cause an allergic skin reaction.			
H319	:	Causes serious eye irritation.			
H411	:	Toxic to aquatic life with long lasting effects.			
Full text of other abbreviations					
Aquatic Chronic	:	Long-term (chronic) aquatic 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			
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			

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LC50		test animals) Median lethal concentration (concentration	s of the chemical in
2000	•	air that kills 50% of the test animals during period)	
MARPOL	:	International Convention for the Prevention Ships, 1973 as modified by the Protocol of	
OEL	:	Occupational Exposure Limit	
PBT	:	Persistent, bioaccumulative and toxic	
PNEC	:	Predicted no effect concentration	
REACH	:	Regulation (EC) No 1907/2006 of the Euro and of the Council of 18 December 2006 c istration, Evaluation, Authorisation and Res cals (REACH), establishing a European Ch	oncerning the Reg- striction of Chemi-
SVHC vPvB	:	Substances of Very High Concern Very persistent and very bioaccumulative	

Further information

Classification of the	Classification procedure:	
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 !

PL/EN