

Version 1.2

Print Date 02.05.2025

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

1.1 Product identifier

Trade name

: SikaRoof[®] Adhesive-200

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

Product use : Sealant/adhesive

1.3 Details of the supplier of the safety data sheet

Company name of supplier	:	Sika Ireland Ltd
		Sika House
		Ballymun Industrial Estate
		Dublin 11
Telephone	:	+353 1862 0709
E-mail address of person	:	EHS@UK.Sika.com
responsible for the SDS		

1.4 Emergency telephone number

National Poisons Information Centre (NPIC) (01) 809 2166 (available 8am - 10pm every day)

Sika Ireland (01) 862 0709 (available during office hours)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

H332: Harmful if inhaled.
H315: Causes skin irritation.
H319: Causes serious eye irritation.
H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H317: May cause an allergic skin reaction.
H351: Suspected of causing cancer.
H335: May cause respiratory irritation.
H373: May cause damage to organs through pro-

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

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Revision Date: 02.05.2025 Version 1.2 Print Date 02.05.2025 Date of last issue: 10.06.2024 exposure, Category 2 longed or repeated exposure if inhaled. 2.2 Label elements Labelling (REGULATION (EC) No 1272/2008) Hazard pictograms Signal word Danger 1 Hazard statements H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H332 Harmful if inhaled. H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause respiratory irritation. H335 H351 Suspected of causing cancer. May cause damage to organs through prolonged H373 or repeated exposure if inhaled. **Prevention:** Precautionary statements P201 Obtain special instructions before use. P260 Do not breathe mist or vapours. Wash skin thoroughly after handling. P264 Wear protective gloves/ protective clothing/ P280 eye protection/ face protection. **Response:** P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell. IF exposed or concerned: Get medical ad-P308 + P313 vice/ attention.

Hazardous components which must be listed on the label:

4,4'-methylenediphenyl diisocyanate

Additional Labelling

"As from 24 August 2023 adequate training is required before industrial or professional use."

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.

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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.	Classification	Concentration (% w/w)
	Registration number		
4,4'-methylenediphenyl diisocya- nate	101-68-8 202-966-0 01-2119457014-47- XXXX	Acute Tox. 4; H332 Skin Irrit. 2; H315 Eye Irrit. 2; H319 Resp. Sens. 1; H334 Skin Sens. 1; H317 Carc. 2; H351 STOT SE 3; H335 (Respiratory system) STOT RE 2; H373	>= 25 - < 40
		specific concentration limit Eye Irrit. 2; H319 >= 5 %	
		specific concentration limit STOT SE 3; H335 >= 5 %	
		specific concentration limit Skin Irrit. 2; H315 >= 5 %	
		specific concentration limit Resp. Sens. 1; H334 >= 0,1 %	
		Acute toxicity esti- mate	
		Acute inhalation tox- icity (dust/mist): 1,5 mg/l	

For explanation of abbreviations see section 16.



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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.			
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 unconscious person.			
4.2 Most important symptoms and effects, both acute and delayed					
Symptoms	:	Asthmatic appearance Cough Respiratory disorder Allergic reactions Excessive lachrymation Erythema Headache Dermatitis See Section 11 for more detailed information on health effects and symptoms.			
Risks	:	irritant effects sensitising effects Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Harmful if inhaled. May cause allergy or asthma symptoms or breathing difficul- ties if inhaled. May cause respiratory irritation. Suspected of causing cancer. May cause damage to organs through prolonged or repeated exposure if inhaled.			

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4.3 Indication of any immediate	ne	dical attention and special treatment neede	d
Treatment	:	Treat symptomatically.	_
SECTION 5: Firefighting meas	sur	es	
5.1 Extinguishing media			
Suitable extinguishing media	:	In case of fire, use water/water spray/water juide/sand/foam/alcohol resistant foam/chemic extinction.	
5.2 Special hazards arising from	the	e substance or mixture	
		No hazardous combustion products are know	vn
5.3 Advice for firefighters			
Special protective equipment for firefighters	:	In the event of fire, wear self-contained breat	hing apparatus.
Further information	:	Standard procedure for chemical fires.	
SECTION 6: Accidental releas	se i	neasures	
6.1 Personal precautions, protect	tiv	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 se If the product contaminates rivers and lakes respective authorities.	-
6.3 Methods and material for cor	ntai	nment and cleaning up	
Methods for cleaning up	:	Soak up with inert absorbent material (e.g. sa acid binder, universal binder, sawdust). Keep in suitable, closed containers for dispos	-
6.4 Reference to other sections			
For personal protection see se	- oti	on 9	

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : Avoid formation of aerosol.

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tion (EU) 2020/878

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Revision Date: 02.05.2025 Version 1.2 Print Date 02.05.2025 Date of last issue: 10.06.2024 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. Provide sufficient air exchange and/or exhaust in work rooms. Follow standard hygiene measures when handling chemical products Advice on protection against Normal measures for preventive fire protection. fire and explosion Hygiene measures Handle in accordance with good industrial hygiene and safety : practice. When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday. 7.2 Conditions for safe storage, including any incompatibilities Requirements for storage Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully reareas and containers sealed and kept upright to prevent leakage. Store in accordance with local regulations. Further information on stor-No decomposition if stored and applied as directed. age stability 7.3 Specific end use(s) Specific use(s) Cleaning with aprotic polar solvents must be avoided.

Cleaning with aprotic polar solvents must be avoided. 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 of exposure)	Control parame- ters *	Basis *
4,4'-methylenediphenyl diisocyanate	101-68-8	OELV - 8 hrs (TWA)	0,005 ppm (NCO)	IE OEL
	Further information: Chemical agents which following exposure may cause sensitisation of the respiratory tract and lead to asth- ma, rhinitis or extrinsic allergic alveolitis			

*The above mentioned values are in accordance with the legislation in effect at the date of the re-

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lease of this safety data sheet.

8.2 Exposure controls

Engineering measures

Maintain air concentrations below occupational exposure standards. Ensure adequate ventilation, especially in confined areas.

Personal protective equipment	
Eye/face protection	Safety glasses with side-shields conforming to EN166 Eye wash bottle with pure water
Hand protection :	Chemical-resistant, impervious gloves complying with an ap- proved standard must be worn at all times when handling chemical products. Reference number EN 374. Follow manu- facturer specifications. 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 additionaly recommended for mixing and stirring work.
Respiratory protection :	In case of inadequate ventilation wear respiratory protection. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe work- ing limits of the selected respirator. Use a properly fitted NIOSH approved air-purifying or air-fed respirator complying with an approved standard if a risk as- sessment indicates this is necessary. organic vapor filter (Type A) A1: < 1000 ppm; A2: < 5000 ppm; A3: < 10000 ppm Ensure adequate ventilation. This can be achieved by local exhaust extraction or by general ventilation. (EN 689 - Meth- ods for determining inhalation exposure). This applies in par- ticular to the mixing / stirring area. In case this is not sufficent to keep the concentrations under the occupational exposure limits then respiration protection measures must be used. Ensure adequate ventilation, especially in confined areas.

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.



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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	an	liquid
Colour	:	various
Odour	:	musty
Melting point/ range	:	< 10 °C
Initial boiling point and boiling range	:	330 °C
Flammability (solid, gas)	:	No data available
Upper/lower flammability or o	ахр	losive limits
Upper explosion limit / Upper flammability limit	-	
Lower explosion limit / Lower flammability limit	:	No data available
Flash point	:	> 200 °C Method: closed cup
Auto-ignition temperature	:	600 °C
		No data available
Decomposition temperature	:	No data available
рН	:	7 - 8 (20 °C)
Viscosity Viscosity, dynamic	:	> 2.000 mPa.s (25 °C)
Viscosity, kinematic	:	> 20,5 mm2/s (70 °C)
Solubility(ies) Water solubility	:	insoluble

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

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Partition coefficient: n- octanol/water	: No data available	
Vapour pressure	: 0,01 hPa	
Density	: ca. 1,12 g/cm3 (20 °C)	
Relative vapour density	: 8,5	
Particle characteristics	: No data available	
9.2 Other information No data available		

SECTION 10: Stability and reactivity

10.1 Reactivity

No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

The product is chemically stable.

10.3 Possibility of hazardous reactions

Hazardous reactions : No hazards to be specially mentioned.

10.4 Conditions to avoid

Conditions to avoid : No data available

10.5 Incompatible materials

Materials to avoid	:	No data available
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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

Harmful if inhaled.

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Components:

4,4'-methylenediphenyl diisocyanate:

Acute oral toxicity	:	LD50 Oral (Rat): > 5.000 mg/kg Method: OECD Test Guideline 401
Acute inhalation toxicity	:	LC50: 1,5 mg/l Exposure time: 4 h Test atmosphere: dust/mist

Acute toxicity estimate: 1,5 mg/l Test atmosphere: dust/mist Method: Calculation method

Method: Expert judgement

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/eye irritation

Causes serious eye irritation.

Respiratory or skin sensitisation

Skin sensitisation

May cause an allergic skin reaction.

Respiratory sensitisation

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Germ cell mutagenicity

Not classified based on available information.

Carcinogenicity

Suspected of causing cancer.

Reproductive toxicity

Not classified based on available information.

STOT - single exposure

May cause respiratory irritation.

STOT - repeated exposure

May cause damage to organs through prolonged or repeated exposure if inhaled.

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

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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

No data available

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

2

Product:

Assessment

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher..

12.6 Endocrine disrupting properties

Product:

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

Product:

Additional ecological infor-	:	There is no data available for this product.
mation		

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

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

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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	:	Not regulated as a dangerous good		
IMDG	:	Not regulated as a dangerous good		
ΙΑΤΑ	:	Not regulated as a dangerous good		
14.2 UN proper shipping name				
ADR	:	Not regulated as a dangerous good		
IMDG	:	Not regulated as a dangerous good		
ΙΑΤΑ	:	Not regulated as a dangerous good		
14.3 Transport hazard class(es)				
ADR	:	Not regulated as a dangerous good		
IMDG	:	Not regulated as a dangerous good		
ΙΑΤΑ	:	Not regulated as a dangerous good		
14.4 Packing group				
ADR	:	Not regulated as a dangerous good		
IMDG	:	Not regulated as a dangerous good		
IATA (Cargo)	:	Not regulated as a dangerous good		
IATA (Passenger)	:	Not regulated as a dangerous good		
14.5 Environmental hazards				
Not regulated as a dangerous good				
14.6 Special precautions for user				
Not applicable				

14.7 Maritime transport in bulk according to IMO instruments Not applicable for product as supplied.

Country IE 100000017150

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SECTION 15: Regulatory information

In	Safety, health and environment International Chemical Weapons (International of Toxic Chemicals and	Convention (CWC)	ion :	specific for the substance or mixture Not applicable	
R	EACH 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.			
th	EACH - Restrictions on the man ne market and use of certain dan nixtures and articles (Annex XVII)	gerous substances,	:	Conditions of restriction for the fol- lowing entries should be considered: Number on list 3	
				Banned and/or restricted	
	EACH - Candidate List of Substa Concern for Authorisation (Article		:	None of the components are listed (=> 0.1 %).	
	EACH - List of substances subje Annex XIV)	ect to authorisation	:	Not applicable	
	egulation (EU) No 2024/590 on s lete the ozone layer	substances that de-	:	Not applicable	
	Regulation (EU) 2019/1021 on pe ants (recast)	rsistent organic pollu-	:	Not applicable	
m	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 of the European Parliament and of the Council on the control of ma- jor-accident hazards involving dangerous substances. Not applicable				
V	olatile organic compounds :	Law on the incentive ta (VOCV) no VOC duties	ax fo	or volatile organic compounds	
		Directive 2010/75/EU o	of 24	4 November 2010 on industrial and	

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livestock rearing emissions (integrated pollution prevention and control) Not applicable

If other regulatory information applies that is not already provided elsewhere in the Safety Data Sheet, then it is described in this subsection.

Health, safety and environmental regulation/legislation specific for the substance or mixture: Environmental Protection Act 1990 & Subsidiary Regulations Health and Safety at Work Act 1974 & Subsidiary Regulations Control of Substances Hazardous to Health Regulations (COSHH)
May be subject to the Control of Major Accident Hazards Regulations (COMAH), and amendments.

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 H317 H319 H332 H334 H335 H351 H373		Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Harmful if inhaled. May cause allergy or asthma symptoms or breathing difficul- ties if inhaled. May cause respiratory irritation. Suspected of causing cancer. May cause damage to organs through prolonged or repeated exposure if inhaled.
Full text of other abbreviatio	ns	
Acute Tox. Carc. Eye Irrit. Resp. Sens. Skin Irrit. Skin Sens. STOT RE STOT SE IE OEL		Acute toxicity Carcinogenicity Eye irritation Respiratory sensitisation Skin irritation Skin sensitisation Specific target organ toxicity - repeated exposure Specific target organ toxicity - repeated exposure Ireland. List of Chemical Agents and Carcinogens with Occu- pational Exposure Limit Values - Code of Practice, Schedule 1 and 2
IE OEL / OELV - 8 hrs (TWA) ADR	:	Occupational exposure limit value (8-hour reference period) European Agreement concerning the International Carriage of Dangerous Goods by Road
CAS DNEL EC50	:	Chemical Abstracts Service Derived no-effect level Half maximal effective concentration

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

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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	: Median lethal concentration (concentrations of the chemical in air that kills 50% of the test animals during the observation
MARPOL	period) International Convention for the Prevention of Pollution from
MARFOL	Ships, 1973 as modified by the Protocol of 1978
OEL	Occupational Exposure Limit
	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 n	Classification procedure:	
Acute Tox. 4	H332	Calculation method
Skin Irrit. 2	H315	Calculation method
Eye Irrit. 2	H319	Calculation method
Resp. Sens. 1	H334	Calculation method
Skin Sens. 1	H317	Calculation method
Carc. 2	H351	Calculation method
STOT SE 3	H335	Calculation method
STOT RE 2	H373	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 !

IE / EN