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

1.1 Product identifier

Trade name

: Sikadur[®]-31+ Rapid 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 Nederland B.V. Zonnebaan 56 3542 EG Utrecht Nederland
Telephone Telefax E-mail address of person	:	+31-30-2410120 +31-30-2414482 EHS@nl.sika.com
responsible for the SDS		

1.4 Emergency telephone number

+31-57-0854201

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)					
Skin irritation, Category 2	H315: Causes skin irritation.				
Serious eye damage, Category 1	H318: Causes serious eye damage.				
Skin sensitisation, Category 1	H317: May cause an allergic skin reaction.				
Long-term (chronic) aquatic hazard, Cat- egory 3	H412: Harmful to aquatic life with long lasting effects.				

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms



Signal word

: Danger

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Hazard statements	:	H317 M H318 C	auses skin irritation. lay cause an allergic skin reaction. auses serious eye damage. armful to aquatic life with long lasti	ng effects.		
Precautionary statements	:	P101 P102	If medical advice is needed, ha container or label at hand. Keep out of reach of children.	ve product		
		Prevention:	Prevention:			
		P261 P280	Avoid breathing dust. Wear protective gloves/ eye pro protection.	otection/ face		
		Response:				
		P305 + P351 ·	+ P338 + P310 IF IN EYES: Rins with water for several minutes. tact lenses, if present and easy tinue rinsing. Immediately call a CENTER/ doctor.	Remove con- to do. Con-		
		Disposal:				
		P501	Dispose of contents/container in with local regulation.	n accordance		

Hazardous components which must be listed on the label:

Amines, polyethylenepoly-, triethylenetetramine fraction N'-(3-aminopropyl)-N,N-dimethylpropane-1,3-diamine m-phenylenebis(methylamine) 3,6-diazaoctanethylenediamin

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.

SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006, as amended by Commission Regula-
tion (EU) 2020/878
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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)
Amines, polyethylenepoly-, tri- ethylenetetramine fraction Contains: 2-(2-aminoethylamino)ethanol <= 0,3 %	90640-67-8 292-588-2 01-2119487919-13- XXXX	Acute Tox. 4; H302 Acute Tox. 4; H312 Skin Corr. 1B; H314 Skin Sens. 1; H317 Aquatic Chronic 3; H412 EUH071 Acute toxicity esti- mate Acute oral toxicity: 1.716 mg/kg Acute dermal toxicity: 1.465 mg/kg	>= 3 - < 5
N'-(3-aminopropyl)-N,N- dimethylpropane-1,3-diamine	10563-29-8 234-148-4 01-2119970376-29- XXXX	Acute Tox. 4; H302 Acute Tox. 4; H312 Skin Corr. 1A; H314 Eye Dam. 1; H318 Skin Sens. 1; H317 Acute toxicity esti- mate Acute oral toxicity: 1.669 mg/kg Acute dermal toxicity: 1.310 mg/kg	>= 1 - < 2,5
modified amine	Not Assigned Not Assigned	Acute Tox. 4; H302 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	>= 0,5 - < 1

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m-phenylenebis(methylamine)	1477-55-0 216-032-5 01-2119480150-50- XXXX	Acute Tox. 4; H302 Acute Tox. 4; H332 Skin Corr. 1B; H314 Skin Sens. 1B; H317 Aquatic Chronic 3; H412 EUH071 Acute toxicity esti- mate Acute oral toxicity: 930 mg/kg Acute inhalation tox- icity (dust/mist): 1,34 mg/l	>= 0,25 - < 0,5
3,6-diazaoctanethylenediamin	112-24-3 203-950-6 01-2119487919-13- XXXX (covered by CAS 90640-67-8)	Acute Tox. 4; H302 Acute Tox. 4; H312 Skin Corr. 1B; H314 Eye Dam. 1; H318 Skin Sens. 1; H317 Aquatic Chronic 3; H412 Acute toxicity esti- mate Acute oral toxicity: 1.716 mg/kg Acute dermal toxicity: 1.465 mg/kg	>= 0,1 - < 0,25
Substances with a workplace expo		-	
Quartz (SiO2)	14808-60-7 238-878-4		>= 40 - < 60
Eor explanation of abbreviations se	a a a a tion 10	1	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.

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		If symptoms persist, call a physician.	
In case of eye contact	:	Small amounts splashed into eyes can cause in sue damage and blindness. In the case of contact with eyes, rinse immediat of water and seek medical advice. Continue rinsing eyes during transport to hospit Remove contact lenses. Keep eye wide open while rinsing.	ely with plenty
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 unconsciou	is person.
4.2 Most important symptoms and	d e	effects, both acute and delayed	
Symptoms	:	Allergic reactions Excessive lachrymation Erythema Dermatitis See Section 11 for more detailed information or and symptoms.	n health effects
Risks	:	irritant effects sensitising effects Causes skin irritation. May cause an allergic skin reaction.	
		Causes serious eye damage.	
4.3 Indication of any immediate m Treatment	ieo :	dical attention and special treatment needed Treat symptomatically.	
SECTION 5: Firefighting measure	ur	es	
5.1 Extinguishing media			
Suitable extinguishing media	:	In case of fire, use water/water spray/water jet/o ide/sand/foam/alcohol resistant foam/chemical extinction.	
5.2 Special hazards arising from t	hε	e substance or mixture	
		No hazardous combustion products are known	
5.3 Advice for firefighters			
-	:	In the event of fire, wear self-contained breathin	ng apparatus.
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Further information	:	Standard procedure for chemical fires.	
SECTION 6: Accidental relea	se i	neasures	
6.1 Personal precautions, prote	ctiv	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 s If the product contaminates rivers and lakes respective authorities.	-
6.3 Methods and material for co	ntai	nment and cleaning up	
Methods for cleaning up	:		
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	:	Do not breathe vapours/dust. Avoid exceeding the given occupational exposure limits (see section 8). Do not get in eyes, on skin, or on clothing. For personal protection see section 8. Persons with a history of skin sensitisation problems or asth- ma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used. Smoking, eating and drinking should be prohibited in the ap- plication 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. Store in accordance 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 *	
Quartz (SiO2)	14808-60-7	TLV-8hr (Respira-	0,075 mg/m3	NL WG
		ble dust)	(Silica)	
	Further inforn	nation: Carcinogenic	substances, base	ed on the
	thresholdlimit	effect		
m-phenylenebis(methylamine)	1477-55-0	L	0,02 ppm	DK OEL
			0,1 mg/m3	

*The above mentioned values are in accordance with the legislation in effect at the date of the release 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. Recommended: Butyl rubber/nitrile rubber gloves. Contaminated gloves should be removed.
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

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exposure levels, the hazards of the product and the safe working limits of the selected respirator. Ensure adequate ventilation. This can be achieved by local exhaust extraction or by general ventilation. (EN 689 - Methods for determining inhalation exposure). This applies in particular 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.

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	:	solid (20 °C) paste dark grey
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 e	exp	losive limits
Upper explosion limit / Up- per flammability limit	:	No data available
Lower explosion limit / Lower flammability limit	:	No data available
	:	
Lower flammability limit	:	> 101 °C Method: closed cup

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рН	:	substance/mixture is non-polar/aprotic	
Viscosity Viscosity, kinematic	:	> 20,5 mm2/s (40 °C)	
Solubility(ies) Water solubility	:	No data available	
Partition coefficient: n- octanol/water	:	No data available	
Vapour pressure	:	No data available	
Density	:	ca. 2,0 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 : No hazards to be specially mentioned.

10.4 Conditions to avoid

Conditions to avoid : No data available

10.5 Incompatible materials

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No hazardous decomposition products are known.

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SECTION 11: Toxicological information

10.6 Hazardous decomposition products

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

Not classified due to lack of data.

Components:

Amines, polyethylenepoly-, triethylenetetramine fraction: Acute oral toxicity : LD50 Oral (Rat): 1.716 mg/kg

		Acute toxicity estimate: 1.716 mg/kg Method: Calculation method
Acute inhalation toxicity	:	Assessment: Corrosive to the respiratory tract.
Acute dermal toxicity	:	LD50 Dermal (Rabbit): 1.465 mg/kg
		Acute toxicity estimate: 1.465 mg/kg Method: Calculation method

N'-(3-aminopropyl)-N,N-dimethylpropane-1,3-diamine:

Acute oral toxicity :	LD50 Oral (Rat): 1.669 mg/kg
	Acute toxicity estimate: 1.669 mg/kg Method: Calculation method
Acute dermal toxicity :	LD50 Dermal (Rat): 1.310 mg/kg
	Acute toxicity estimate: 1.310 mg/kg Method: Calculation method
m-phenylenebis(methylamine)	:
Acute oral toxicity :	LD50 Oral (Rat): 930 mg/kg
	Acute toxicity estimate: 930 mg/kg Method: Calculation method
Acute inhalation toxicity :	LC50 (Rat): 1,34 mg/l Exposure time: 4 h Test atmosphere: dust/mist Assessment: Corrosive to the respiratory tract.



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	Test atmos	ity estimate: 1,34 mg/l phere: dust/mist alculation method			
Acute dermal toxicity	: LD50 Derm	nal (Rat): > 3.100 mg/kg			
3,6-diazaoctanethylenedia	min:				
Acute oral toxicity	: LD50 Oral	(Rat): 1.716 mg/kg			
		ity estimate: 1.716 mg/kg alculation method			
Acute dermal toxicity	: LD50 Derm	nal (Rabbit): 1.465 mg/kg			
		ity estimate: 1.465 mg/kg alculation method			
Skin corrosion/irritation					
Causes skin irritation.					
Serious eye damage/eye i Causes serious eye damag					
Respiratory or skin sensit	sation				
Skin sensitisation May cause an allergic skin	eaction.				
Respiratory sensitisation Not classified due to lack of					
Germ cell mutagenicity Not classified due to lack of					
Carcinogenicity Not classified due to lack of	Carcinogenicity				
Reproductive toxicity Not classified due to lack of	data.				
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					
11.2 Information on other haza					
Endocrine disrupting pro	erties				
Product:					

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Assessment	: The substance/mixture does not cont ered to have endocrine disrupting pro REACH Article 57(f) or Commission I (EU) 2017/2100 or Commission Regu levels of 0.1% or higher.	perties according to Delegated regulation
SECTION 12: Ecological info	rmation	
12.1 Toxicity		
Components:		
m-phenylenebis(methylam	ine):	

Toxicity to fish:LC50 (Oryzias latipes (Japanese medaka)): > 10 - 100 mg/l
Exposure time: 96 hToxicity to daphnia and other
aquatic invertebrates:EC50 (Daphnia magna (Water flea)): > 10 - 100 mg/l
Exposure time: 48 h

3,6-diazaoctanethylenediamin:

Toxicity to fish	:	LC50 (Pimephales promelas (fathead minnow)): > 100 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia (water flea)): 10 - 100 mg/l Exposure time: 48 h
Toxicity to algae/aquatic plants	:	EC50 (Pseudokirchneriella subcapitata (green algae)): 10 - 100 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..

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12.6 Endocrine disrupting properties

Product:

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

12.7 Other adverse effects

Product:

Treaden		
Additional ecological infor-	:	An environmental hazard cannot be excluded in the event of
mation		unprofessional handling or disposal.
		Harmful to aquatic life with long lasting effects.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

S
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	:	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

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 14.3 Transport hazard class(es)
 Impose 1
 Impose 1
 Impose 1

 ADR
 :
 Not regulated as a dangerous good
 Impose 1
 Impose 1

 Impose 1
 :
 Not regulated as a dangerous good
 Impose 1
 Impose 1

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 Not regulated as a dangerous good
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 Not regulated as a dangerous good
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 Impose 2
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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.

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 Informatio		ur upstrea s, and/or he regulat	
	ons on the manufacture, placing o e of certain dangerous substance les (Annex XVII)		Conditions of restriction for the fol- lowing entries should be considered: Number on list 75:
	te List of Substances of Very High risation (Article 59).	n :	None of the components are listed (=> 0.1 %).
REACH - List of substances subject to authorisation (Annex XIV)		ı :	Not applicable
Regulation (EC) o	n substances that deplete the ozo	one :	Not applicable

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 Regulation (EU) 2019/1021 on persistent organic pollu- : Not applicable tants (recast)
 Not applicable

Netherlands. Substances of very high concern (ZZS-list) : Quartz (SiO2)

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) Not applicable

15.2 Chemical safety assessment

No Chemical Safety Assessment has been carried out for this mixture by the supplier.

SECTION 16: Other information

Full text of H-Statements

H302	:	Harmful if swallowed.	
H312	:	Harmful in contact with skin.	
H314	:	Causes severe skin burns and eye damage.	
H317	:	May cause an allergic skin reaction.	
H318	:	Causes serious eye damage.	
H332	:	Harmful if inhaled.	
H400	:	Very toxic to aquatic life.	
H410	:	Very toxic to aquatic life with long lasting effects.	
H412	:	Harmful to aquatic life with long lasting effects.	
Full text of other abbreviations			
Acute Tox.	:	Acute toxicity	
Aquatic Acute	:	Short-term (acute) aquatic hazard	
Aquatic Chronic	:	Long-term (chronic) aquatic hazard	
Eye Dam.	:	Serious eye damage	
Skin Corr.	:	Skin corrosion	

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Skin Sens. DK OEL NL WG	Skin sensitisation Denmark. Occupational Exposure Limits Netherlands. Law on Labour conditions - Occupational Expo-
DK OEL / L NL WG / TLV-8hr ADR	sure Limits Ceiling Time Weighted Average 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
GHS IATA IMDG	Globally Harmonized System International Air Transport Association International Maritime Code for Dangerous Goods
LD50	
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 : PBT	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 : vPvB :	Substances of Very High Concern Very persistent and very bioaccumulative

Further information

Classification of th	ne mixture:	Classification procedure:
Skin Irrit. 2	H315	Calculation method
Eye Dam. 1	H318	Calculation method
Skin Sens. 1	H317	Calculation method
Aquatic Chronic 3	H412	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 !

NL / EN

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