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

#### **1.1 Product identifier**

Trade name

Sikagard®-406 W

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

Product use : Surfaces protection

#### 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	:	+31-30-2410120
Telefax	:	+31-30-2414482
E-mail address of person	:	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)

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

#### 2.2 Label elements

#### Labelling (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

#### Additional Labelling

EUH210 Safety data sheet available on request.

- EUH208 Contains 3-iodo-2-propynyl butylcarbamate (IPBC), 1,2-benzisothiazol-3(2H)one (BIT), reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2methyl-2H-isothiazol-3-one (3:1). May produce an allergic reaction.
- EUH211 Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.



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#### 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. 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. 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.

Contains a biocide in order to protect the product. Active ingredient: 3-iodo-2-propynyl butylcarbamate (IPBC), 55406-53-6, 1,2-benzisothiazol-3(2H)-one (BIT), 2634-33-5, reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1), 55965-84-9. Please use treated articles responsibly.



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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)
3-iodo-2-propynyl butylcarbamate (IPBC)	55406-53-6 259-627-5 01-2120762115-60- XXXX	Acute Tox. 4; H302 Acute Tox. 3; H331 Eye Dam. 1; H318 Skin Sens. 1; H317 STOT RE 1; H372 (larynx) Aquatic Acute 1; H400 Aquatic Chronic 1; H410 M-Factor (Acute aquatic toxicity): 10 M-Factor (Chronic aquatic toxicity): 1 Acute toxicity esti- mate Acute oral toxicity: 1.056 mg/kg Acute inhalation tox- icity (dust/mist): 0,763 mg/l	>= 0,1 - < 0,25

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

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1,2-benzisothiazol-3(2H)-one (BIT)	2634-33-5 220-120-9 01-2120761540-60- XXXX	Acute Tox. 4; H302 Acute Tox. 2; H330 Skin Irrit. 2; H315 Eye Dam. 1; H318 Skin Sens. 1A; H317 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	>= 0,025 - < 0,05
		M-Factor (Acute aquatic toxicity): 1 M-Factor (Chronic aquatic toxicity): 1	
		specific concentration limit Skin Sens. 1A; H317 >= 0,036 %	
		Acute toxicity esti- mate	
		Acute oral toxicity: 450 mg/kg Acute inhalation tox- icity (dust/mist): 0,21 mg/l	



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reaction mass of 5-chloro-2- methyl-2H-isothiazol-3-one and 2- methyl-2H-isothiazol-3-one (3:1)	55965-84-9 Not Assigned 01-2120764691-48- XXXX	Acute Tox. 3; H301 Acute Tox. 2; H330 Acute Tox. 2; H310 Skin Corr. 1C; H314 Eye Dam. 1; H318 Skin Sens. 1A; H317 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 EUH071	>= 0,0002 - < 0,0015
		M-Factor (Acute aquatic toxicity): 100 M-Factor (Chronic aquatic toxicity): 100	
		specific concentration limit Skin Corr. 1C; H314 >= 0,6 %	
		specific concentration limit Skin Irrit. 2; H315 0,06 - < 0,6 %	
		specific concentration limit Eye Irrit. 2; H319 0,06 - < 0,6 %	
		specific concentration limit Skin Sens. 1A; H317 >= 0,0015 %	
		specific concentration limit Eye Dam. 1; H318 >= 0,6 %	
Substances with a workplace exposi Titanium dioxide (> 10 µm)	sure limit : 13463-67-7 236-675-5 01-2119489379-17- XXXX		>= 5 - < 10

For explanation of abbreviations see section 16.

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# **SECTION 4: First aid measures**

4.1 Description of first aid meas	sure	S
General advice	:	No hazards which require special first aid measures.
If inhaled		Move to fresh air.
	•	
In case of skin contact	:	Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water.
In case of eye contact	:	Remove contact lenses. Keep eye wide open while rinsing.
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 a	and	effects, both acute and delayed
Symptoms	:	See Section 11 for more detailed information on health effects and symptoms.
Risks	:	No known significant effects or hazards.
1.2 Indication of any immediate	mo	diast attention and anapial treatment peoded
Treatment	: me	dical attention and special treatment needed Treat symptomatically.
SECTION 5: Firefighting mea	asur	res
5.1 Extinguishing media		
Suitable extinguishing media	ı :	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	n the	e substance or mixture
•		No hazardous combustion products are known
5.3 Advice for firefighters		
Special protective equipment	t :	In the event of fire, wear self-contained breathing apparatus.
for firefighters		
for firefighters Further information	:	Standard procedure for chemical fires.



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SECTION 6: Accidental release measures					
6.1 Personal precautions, protective equipment and emergency procedures					
Personal precautions	: For personal protection see section 8.				
6.2 Environmental precautions					
Environmental precautions	: No special environmental precautions required.				
6.3 Methods and material for cont	tainment and cleaning up				
Methods for cleaning up	: Wipe up with absorbent material (e.g. cloth, fleece). Keep in suitable, closed containers for disposal.				
6.4 Reference to other sections					
For personal protection see see	ction 8.				
SECTION 7: Handling and stor	rage				
7.1 Precautions for safe handling					
Advice on safe handling	<ul> <li>For personal protection see section 8.</li> <li>No special handling advice required.</li> <li>Follow standard hygiene measures when handling chemical products</li> </ul>				
Advice on protection against fire and explosion	: Normal measures for preventive fire protection.				
Hygiene measures	: When using do not eat or drink. When using do not smoke.				
7.2 Conditions for safe storage, ir	ncluding 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.				
Advice on common storage	: No special restrictions on storage with other products.				
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.				



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#### **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 *
Titanium dioxide (> 10 μm)	13463-67-7	TWA	10 mg/m3	DE TRGS 900

\*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.

Eye/face protection	:	Safety glasses
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. Butyl rubber/nitrile rubber gloves (> 0,1 mm) Recommended: Butyl rubber/nitrile rubber gloves.
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. 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.

#### **Environmental exposure controls**



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#### **SECTION 9: Physical and chemical properties**

#### 9.1 Information on basic physical and chemical properties

Information on basic physical	an	• •
Physical state Colour	:	liquid white
Odour	:	mild
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 o	avn	losivo limits
Upper explosion limit / Up- per flammability limit	-	
Lower explosion limit / Lower flammability limit	:	No data available
Flash point	:	Not applicable
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
pН	:	ca. 8,2 (20 °C)
Viscosity Viscosity, kinematic	:	> 20,5 mm2/s (40 °C)
<b>Solubility(ies)</b> Water solubility	:	soluble
Partition coefficient: n- octanol/water	:	No data available

: 23 hPa

Vapour pressure

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Density	: ca. 1,2 g/cm3 (20 °C)	
Relative vapour density	: No data available	
Particle characteristics	: No data available	
<b>9.2 Other information</b> 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.
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#### 10.4 Conditions to avoid

Conditions to avoid : No data available

#### 10.5 Incompatible materials

Materials to avoid : No data available

#### **10.6 Hazardous decomposition products**

No hazardous decomposition products are known.

#### **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:**

#### 3-iodo-2-propynyl butylcarbamate (IPBC):

Acute oral toxicity : LD50 Oral (Rat): 1.056 mg/kg



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		Acute toxicity estimate: 1.056 mg/kg Method: Calculation method	
Acute inhalation toxicity	:	LC50 (Rat): 0,763 mg/l Exposure time: 4 h Test atmosphere: dust/mist	
		Acute toxicity estimate: 0,763 mg/l Test atmosphere: dust/mist Method: Calculation method	
Acute dermal toxicity	:	LD50 Dermal (Rabbit): > 2.000 mg/kg	
1,2-benzisothiazol-3(2H)-or	ne (Bl	IT):	
Acute oral toxicity	:	Acute toxicity estimate: 450 mg/kg Method: Acute toxicity estimate accordin No. 1272/2008	ng to Regulation (EC)
		LD50 Oral (Rat): 450 mg/kg	
Acute inhalation toxicity	:	Acute toxicity estimate: 0,21 mg/l Test atmosphere: dust/mist Method: Acute toxicity estimate accordin No. 1272/2008	ng to Regulation (EC)
		LC50: 0,21 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: OECD Test Guideline 403	
Acute dermal toxicity	:	LD50 Dermal (Rabbit): > 2.000 mg/kg	
<b>reaction mass of 5-chloro-</b> Acute inhalation toxicity	2-met :	<b>hyl-2H-isothiazol-3-one and 2-methyl-</b> Assessment: Corrosive to the respirator	· · ·
Skin corrosion/irritation Not classified due to lack of Serious eye damage/eye ir	ritatio	on	
Not classified due to lack of Respiratory or skin sensiti		n	
Skin sensitisation	3410		
Not classified due to lack of	data.		
<b>Respiratory sensitisation</b> Not classified due to lack of e	data		
Components:	<i>.</i>		
1,2-benzisothiazol-3(2H)-or	ne (Bl	IT):	

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#### **SECTION 12: Ecological information**

#### 12.1 Toxicity

**Components:** 

#### 3-iodo-2-propynyl butylcarbamate (IPBC):

M-Factor (Acute aquatic tox- : 10 icity)

M-Factor (Chronic aquatic : 1 toxicity)

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#### 1,2-benzisothiazol-3(2H)-one (BIT):

Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia (water flea)): 3 mg/l Exposure time: 48 h
M-Factor (Acute aquatic tox- icity)	:	1
M-Factor (Chronic aquatic	:	1

toxicity)

#### reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1):

```
M-Factor (Acute aquatic tox- : 100 icity)
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M-Factor (Chronic aquatic : 100 toxicity)

#### 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 Endocrine disrupting properties**

Product:	
Assessment	: The substance/mixture does not contain components consid- ered 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.
Assessment	: The substance/mixture does not contain components consid- ered 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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#### 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 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**

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

#### 14.1 UN number or ID number

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IATA (Cargo)	: Not regulated as a dang	aerous good	
IATA (Passenger)	: Not regulated as a dang	-	
4.5 Environmental hazards			
Not regulated as a dangerou	good		
4.6 Special precautions for use Not applicable	r		
4.7 Maritime transport in bulk	ccording to IMO instrumen	its	
Not applicable for product as	supplied.		
SECTION 15: Regulatory info	rmation		_
5.1 Safety, health and environ International Chemical Weap Schedules of Toxic Chemica	ons Convention (CWC)	on specific for the substance or mixture : Not applicable	
REACH Information:	All substances contained - registered by our upstru- - registered by us, and/o - excluded from the regu- - exempted from the reg	ream suppliers, and/or or ulation, and/or	
REACH - Restrictions on the the market and use of certair mixtures and articles (Annex	dangerous substances,	: Conditions of restriction for the fol- lowing entries should be considered: Number on list 75	
REACH - Candidate List of S Concern for Authorisation (A		: None of the components are listed (=> 0.1 %).	
REACH - List of substances (Annex XIV)	ubject to authorisation	: Not applicable	
Regulation (EU) No 2024/590 plete the ozone layer	on substances that de-	: Not applicable	
Regulation (EU) 2019/1021 c tants (recast)	n persistent organic pollu-	: Not applicable	
Regulation (EU) No 649/2012 ment and the Council concer of dangerous chemicals		: Not applicable	

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Seveso III: Directive 2012/18/El jor-accident hazards involving d	J of the European Parliament and of the Council on the control of ma- angerous substances. Not applicable
Volatile organic compounds :	<ul> <li>Law on the incentive tax for volatile organic compounds (VOCV)</li> <li>Volatile organic compounds (VOC) content: &lt; 0,01% w/w no VOC duties</li> </ul>
	Directive 2010/75/EU of 24 November 2010 on industrial and livestock rearing emissions (integrated pollution prevention and control) Volatile organic compounds (VOC) content: 0,23% w/w

#### 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

H301 H302 H310 H314 H315 H317 H318 H330		Toxic if swallowed. Harmful if swallowed. Fatal in contact with skin. Causes severe skin burns and eye damage. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye damage. Fatal if inhaled.		
H331	:	Toxic if inhaled.		
H372	:	Causes damage to organs through prolonged or repeated exposure.		
H400	:	Very toxic to aquatic life.		
H410	:	Very toxic 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		
Skin Irrit.	:	Skin irritation		
Skin Sens.	:	Skin sensitisation		
STOT RE	:	Specific target organ toxicity - repeated exposure		
DE TRGS 900	:	Germany. TRGS 900 - Occupational exposure limit values.		
DE TRGS 900 / TWA	:	Time Weighted Average		
ADR	:	European Agreement concerning the International Carriage of Dangerous Goods by Road		
CAS	:	Chemical Abstracts Service		

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DNEL EC50 GHS IATA IMDG	: : : : : : : : : : : : : : : : : : : :	Derived no-effect level Half maximal effective concentration Globally Harmonized System International Air Transport Association International Maritime Code for Dangerous	
LD50 LC50	:	Median lethal dosis (the amount of a materi once, which causes the death of 50% (one test animals) Median lethal concentration (concentrations air that kills 50% of the test animals during pariod)	half) of a group of s of the chemical in
MARPOL	:	period) International Convention for the Prevention Ships, 1973 as modified by the Protocol of	
OEL PBT PNEC REACH	: : :	Occupational Exposure Limit Persistent, bioaccumulative and toxic Predicted no effect concentration Regulation (EC) No 1907/2006 of the Europ and of the Council of 18 December 2006 cc istration, Evaluation, Authorisation and Res cals (REACH), establishing a European Ch	bean Parliament oncerning the Reg- triction of Chemi-
SVHC vPvB	:	Substances of Very High Concern Very persistent and very bioaccumulative	

#### **Further information**

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