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

### 1.1 Product identifier

Trade name : Sikagard<sup>®</sup>-405 W

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

Product use : Acrylate coating

#### 1.3 Details of the supplier of the safety data sheet

Company name of supplier	:	Sika Limited Watchmead Welwyn Garden City Hertfordshire. AL7 1BQ
Telephone Telefax	:	+44 (0)1707 394444 +44 (0)1707 329129
E-mail address of person responsible for the SDS	:	EHS@uk.sika.com

#### **1.4 Emergency telephone number**

National Chemical Emergency Centre (NCEC) 24 Hour Emergency Telephone Number +44 870 190 6777

## **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 1,2-benzisothiazol-3(2H)-one (BIT), mixture of: 5-chloro-2-methyl-4isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) (C(M)IT/MIT (3:1)), 3-iodo-2-propynyl butylcarbamate (IPBC). 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.

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, mixture of: 5-chloro-2methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) (C(M)IT/MIT (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): 1010 M-Factor (Chronic aquatic toxicity): 11 Acute toxicity esti- mate Acute oral toxicity: 1.056 mg/kg Acute inhalation tox- icity (dust/mist): 0,763 mg/l	>= 0,025 - < 0,25

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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; H317 Aquatic Acute 1; H400 Aquatic Chronic 2; H411 	>= 0,025 - < 0,05		





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mixture of: 5-chloro-2-methyl-4- isothiazolin-3-one [EC no. 247- 500-7] and 2-methyl-2H- isothiazol-3-one [EC no. 220-239- 6] (3:1) (C(M)IT/MIT (3:1))	55965-84-9 911-418-6 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  M-Factor (Acute aquatic toxicity): 100100 M-Factor (Chronic aquatic toxicity): 100100  specific concentration limit Skin Corr. 1C; H314 >= 0,6 % Skin Irrit. 2; H315 0,06 - < 0,6 % Eye Irrit. 2; H319 0,06 - < 0,6 % Skin Sens. 1A; H317 >= 0,0015 % Eye Dam. 1; H318 >= 0,6 %	>= 0,0002 - < 0,0015	
Substances with a workplace export Titanium dioxide (> 10 µm)	sure limit : 13463-67-7		>= 25 - < 40	
	236-675-5 01-2119489379-17- XXXX		>= 20 - < 40	

# SECTION 4: First aid measures

## 4.1 Description of first aid measures

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.

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# 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 and effects, both acute and delayed : See Section 11 for more detailed information on health effects Symptoms and symptoms. Risks No known significant effects or hazards. 4.3 Indication of any immediate medical attention and special treatment needed Treatment Treat symptomatically. 5 **SECTION 5: Firefighting measures** 5.1 Extinguishing media In case of fire, use water/water spray/water jet/carbon diox-Suitable extinguishing media 1 ide/sand/foam/alcohol resistant foam/chemical powder for extinction. 5.2 Special hazards arising from the substance or mixture Hazardous combustion prod- : No hazardous combustion products are known ucts 5.3 Advice for firefighters Special protective equipment : In the event of fire, wear self-contained breathing apparatus. for firefighters Further information Standard procedure for chemical fires. 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.



## Date of last issue: 01.12.2023 Version 7.5 Print Date 29.02.2024 Revision Date: 19.12.2023 6.3 Methods and material for containment and cleaning up : Wipe up with absorbent material (e.g. cloth, fleece). Methods for cleaning up 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 For personal protection see section 8. No special handling advice required. Follow standard hygiene measures when handling chemical products Advice on protection against • Normal measures for preventive fire protection. fire and explosion Hygiene measures When using do not eat or drink. When using do not smoke. 7.2 Conditions for safe storage, including any incompatibilities Requirements for storage Keep container tightly closed in a dry and well-ventilated : areas and containers place. Store in accordance with local regulations. Advice on common storage 2 No special restrictions on storage with other products. Further information on stor-No decomposition if stored and applied as directed. 5 age stability 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

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#### Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parame- ters *	Basis *
Titanium dioxide (> 10 μm)	13463-67-7	TWA (inhalable dust)	10 mg/m3	GB EH40
		TWA (Respirable dust)	4 mg/m3	GB EH40



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\*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 b Ensure adequate ventilation, Personal protective equipr Eye/face protection	esp	-
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.
		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 c	ontro	ols
General advice		No special environmental precautions required.

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

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

Physical state Colour		liquid white
Odour	:	mild



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Melting point/range / Freezing point	:	No data available	
Boiling point/boiling range	:	No data available	
Flammability (solid, gas)	:	No data available	
Upper/lower flammability or	exp	olosive limits	
Upper explosion limit / Up- per flammability limit	:	No data available	
Lower explosion limit / Lower flammability limit	:	No data available	
Flash point	:	Not applicable	
Auto-ignition temperature	:	No data available	
Decomposition temperature	:	No data available	
рН	:	8,2 - 8,4	
Viscosity Viscosity, kinematic	:	> 7 mm2/s	
<b>Solubility(ies)</b> Water solubility	:	soluble	
Partition coefficient: n- octanol/water	:	No data available	
Vapour pressure	:	23 hPa	
Density	:	1,3 g/cm3	
Relative vapour density	:	No data available	
Particle characteristics	:	No data available	



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## 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

# 10.5 Incompatible materials

Materials to avoid : No data available

## **10.6 Hazardous decomposition products**

No decomposition if stored and applied as directed.

## **SECTION 11: Toxicological information**

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

#### Acute toxicity

Not classified based on available information.

#### Components:

<b>3-iodo-2-propynyl butylcarbar</b> Acute oral toxicity :	nate (IPBC): LD50 Oral (Rat): 1.056 mg/kg
	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



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> 2.000 mg/kg	
ig/kg	
597 mg/kg ethod	
mist uideline 403	
0,4 mg/l mist ethod	
> 2.000 mg/kg	
247-500-7] and 2-	methyl-2H-isothiazol-3-
to the respiratory	tract.
n by skin contact.	



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# Reproductive toxicity

Not classified based on available information.

## STOT - single exposure

Not classified based on available information.

## STOT - repeated exposure

Not classified based on available information.

#### Aspiration toxicity

Not classified based on available information.

# 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:

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

M-Factor (Acute aquatic tox- icity)	:	10
		10
M-Factor (Chronic aquatic toxicity)	:	1
		1
1,2-benzisothiazol-3(2H)-one	(B	IT):
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia (water flea)): 3 mg/l Exposure time: 48 h
mixture of: 5-chloro-2-methyl-4 one [EC no. 220-239-6] (3:1) (0		othiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3- /)IT/MIT (3:1)):
M-Factor (Acute aquatic tox- icity)	:	100



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	100	
M-Factor (Chronic aquatic	100	
toxicity)	100	
12.2 Persistence and degradabilit No data available		
<b>12.3 Bioaccumulative potential</b> No data available		
<b>12.4 Mobility in soil</b> No data available		
12.5 Results of PBT and vPvB ass	essment	
Product:		
Assessment	This substance/mixture contains no comp to be either persistent, bioaccumulative ar very persistent and very bioaccumulative 0.1% or higher	nd toxic (PBT), or
12.6 Endocrine disrupting proper	es	
Product:		
Assessment	The substance/mixture does not contain of ered to have endocrine disrupting properti REACH Article 57(f) or Commission Deleg (EU) 2017/2100 or Commission Regulation levels of 0.1% or higher.	ies according to gated regulation
12.7 Other adverse effects		
Product:		
Additional ecological infor- mation	There is no data available for this product	
SECTION 13: Disposal conside	rations	
13.1 Waste treatment methods		
Product	The generation of waste should be avoide wherever possible. Empty containers or liners may retain som This material and its container must be dis way.	ne product residues.



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	Dispose of surplus and non-recyclable pro waste disposal contractor. Disposal of this product, solutions and an at all times comply with the requirements protection and waste disposal legislation a local authority requirements. Avoid dispersal of spilled material and run soil, waterways, drains and sewers.	y by-products should of environmental and any regional
European Waste Catalogue	: 08 01 12 waste paint and varnish other th in 08 01 11	nan those mentioned

# **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
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		
••		

# 14.1 UN number or ID number

14.7 Maritime transport in bulk according to IMO instruments

Not applicable for product as supplied.



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# **SECTION 15: Regulatory information**

#### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Relevant EU provisions transposed through retained EU law

International Chemical Weapons Convention (CWC) : Schedules of Toxic Chemicals and Precursors			t applicable
Regulation (EC) No 1005/2009 on substances that deplete the ozone layer			t applicable
GB Export and import of hazard Informed Consent (PIC) Regula		: No	t applicable
Volatile organic compounds	: Law on the incentive ta (VOCV) no VOC duties	x for vo	latile organic compounds
	emissions (integrated	ollution	vember 2010 on industrial prevention and control) /OC) content: 0,2% w/w

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 environ-	: Environmental Protection Act 1990 & Subsidiary Regulations
mental regulation/legislation	Health and Safety at Work Act 1974 & Subsidiary Regulations
specific for the substance or	Control of Substances Hazardous to Health Regulations
mixture:	(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

 Toxic if swallowed. Harmful if swallowed.
 Fatal in contact with skin.
Causes severe skin burns and eye damage. Causes skin irritation.



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H317	May cause an allergic skin reaction.		
H318	Causes serious eye damage.		
H330	Fatal if inhaled.		
H331	Toxic if inhaled.		
H372	Causes damage to organs through prolo	nged or repeated	
	exposure.		
H400	Very toxic to aquatic life.		
H410	Very toxic to aquatic life with long lasting	effects.	
H411	Toxic to aquatic life with long lasting effe		
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	<ul> <li>Specific target organ toxicity - repeated e</li> </ul>		
GB EH40	: UK. EH40 WEL - Workplace Exposure Li		
GB EH40 / TWA	Long-term exposure limit (8-hour TWA re		
ADR	European Agreement concerning the Inte	ernational Carriage of	
	Dangerous Goods by Road		
CAS	Chemical Abstracts Service		
DNEL	Derived no-effect level		
EC50	Half maximal effective concentration		
GHS	Globally Harmonized System		
IATA	International Air Transport Association		
	International Maritime Code for Dangerou		
LD50	: Median lethal dosis (the amount of a mat		
	once, which causes the death of 50% (or test animals)	ie hall) of a group of	
LC50	Median lethal concentration (concentratio	one of the chemical in	
LC30	air that kills 50% of the test animals durin		
	period)	ig the observation	
MARPOL	International Convention for the Prevention	on of Pollution from	
	Ships, 1973 as modified by the Protocol		
OEL	Cocupational Exposure Limit	61 1978	
PBT	Persistent, bioaccumulative and toxic		
PNEC	Predicted no effect concentration		
REACH	Regulation (EC) No 1907/2006 of the Eu	ropean Parliament	
	and of the Council of 18 December 2006		
	istration, Evaluation, Authorisation and R		
	cals (REACH), establishing a European (		
SVHC	Substances of Very High Concern	0 - 7	
vPvB	Very persistent and very bioaccumulative	9	

### **Further information**



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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 !

GB / EN