Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by UK REACH Regulation SI 2019/758

# SAFETY DATA SHEET



SILOKSAN ANTI-CARB - All variants

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

1.1	Product identifier	
Pr	roduct name	

: SILOKSAN ANTI-CARB - All variants

1.2 Relevant identified uses of the substance or mixture and uses advised against **Product use** : Paint.

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

Teknos Group Oy, Takkatie 3, FI-00370 HELSINKI, FINLAND. Tel. +358 9 506 091.

e-mail address of person : Prod-safe@teknos.com

# responsible for this SDS

#### **National contact**

Teknos (UK) Limited, 7 Longlands Rd, Bicester, Oxfordshire OX26 5AH, United Kingdom. Tel. +44 (0) 1869 208005.

#### 1.4 Emergency telephone number

National advisory body/Poison Centre

**Telephone number** : NHS: 111

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

Product definition : Mixture

**Classification according to UK CLP/GHS** 

Skin Sens. 1, H317 Aquatic Chronic 3, H412

The product is classified as hazardous according to UK CLP Regulation SI 2019/720 as amended.

See Section 16 for the full text of the H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

#### 2.2 Label elements

Hazard pictograms



Signal word	Varning	
Hazard statements	l317 - May cause an allergic skin reaction. l412 - Harmful to aquatic life with long lasting effects.	
Precautionary statements		
General	102 - Keep out of reach of children.	
Prevention	280 - Wear protective gloves. 273 - Avoid release to the environment. 261 - Avoid breathing vapour.	
Response	362 + P364 - Take off contaminated clothing and wash it before reuse.	
Storage	lot applicable.	
Disposal	501 - Dispose of contents and container in accordance with all local, reg ational and international regulations.	ional,

# **SECTION 2: Hazards identification**

SECTION 2. Hazarus identification			
Supplemental label elements	:		
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	: Not applicable.		
2.3 Other hazards			
Product meets the criteria for PBT or vPvB according to Regulation (EC) No. 1907/2006, Annex XIII	: This mixture does not contain any substances that are assessed to be a PBT or a vPvB.		
Other hazards which do not result in classification	: None known.		

# **SECTION 3: Composition/information on ingredients**

E/(2-butoxyethoxy)ethanol         REACH #: 01-2119475104-44 EC: 203-961-6 CAS: 112-34-5 Index: 603-096-00-8 REACH #: 01-2119456809-23 EC: 200-38-0 CAS: 57-55-6         S0.3         Not classified.           (Z)-9-Octadecen-1-ol ethoxylated         EC: 259-627-5 CAS: 57-55-6         S0.3         Skin Irrit. 2, H319           3-iodo-2-propynyl-butyl carbamate         EC: 259-627-5 CAS: 57-56-52-6         S0.3         Skin Irrit. 2, H315           Acute Tox. 4, H302         Acute Tox. 4, H302         Acute Tox. 4, H302           Index: 616-212-00-7         Sin Sens. 1, H311         Eye Dam. 1, H318           Skin Corr. 18, H314         Eye 2am. 1, H318         Skin Corr. 18, H314           CAS: 1336-21-6         Index: 613-335-00-8         S0.022         Acute Tox. 4, H302           4,5-dichloro-2-octyl-2H-isothiazol- 3-one         CC: 264-843-8 CAS: 64359-81-5 Index: 613-335-00-8         S0.022         Acute Tox. 4, H302 Acute Tox. 4, H302 Acute Tox. 2, H330 Sin Corr. 18, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Acute 1, H400 (M=10) Acute Tox. 2, H330 Sin Corr. 1, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Acute 1, H400 (M=100) Acute Corr. 1, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Acute 1, H400 (M=100) Acute Corr. 1, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Acute 1, H400 (M=100) Acute Corr. 1, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Acute 1, H400 (M=100) Acute Corr. 1, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Acute 1, H400 (M=100) Acute Corr. 1, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Acute 1, H400 (M=100) EUH071	Product/ingredient name	Identifiers	%	Classification	Туре
Propylene glycol         REACH #: 01-2119456809-23 EC: 200-338-0 CAS: 57-55-6         ≤0.3         Not classified.           (Z)-9-Octadecen-1-ol ethoxylated         EC: 500-016-2 CAS: 9004-98-2         ≤0.3         Skin Irrit. 2, H315 Aquatic Acute 1, H400 (M=1)           3-iodo-2-propynyl-butyl carbamate         EC: 259-627-5 CAS: 55406-53-6 Index: 616-212-00-7         <0.1		REACH #: 01-2119475104-44 EC: 203-961-6 CAS: 112-34-5			[1] [2]
(Z)-9-Octadecen-1-ol ethoxylated       EC: 500-016-2       ≤0.3       Skin Irrit. 2, H315         3-iodo-2-propynyl-butyl carbamate       EC: 559-627-5       <0.1	Propylene glycol	REACH #: 01-2119456809-23 EC: 200-338-0	≤0.3	Not classified.	[2]
3-iodo-2-propynyl-butyl carbamate       EC: 259-627-5 CAS: 55406-53-6 Index: 616-212-00-7       <0.1	(Z)-9-Octadecen-1-ol ethoxylated	EC: 500-016-2	≤0.3	Aquatic Acute 1, H400	[1]
Ammonia       REACH #:       <0.1	3-iodo-2-propynyl-butyl carbamate	CAS: 55406-53-6	<0.1	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 (M=10) Aquatic Chronic 1,	[1]
4,5-dichloro-2-octyl-2H-isothiazol-       EC: 264-843-8       ≤0.022       Àcuté Tox. 4, H302         3-one       CAS: 64359-81-5       Index: 613-335-00-8       Skin Corr. 1, H314         Eye Dam. 1, H318       Skin Sens. 1A, H317       Aquatic Acute 1, H400         (M=100)       Aquatic Chronic 1, H410 (M=100)         Kaolin       EC: 310-194-1       ≤0.1         CAS: 1332-58-7       ≤0.1	Ammonia	01-2119488876-14 EC: 215-647-6 CAS: 1336-21-6	<0.1	Skin Corr. 1B, H314 Eye Dam. 1, H318 STOT SE 3, H335 Aquatic Acute 1, H400	[1] [2]
Kaolin         EC: 310-194-1         ≤0.1         Not classified.           CAS: 1332-58-7	-	EC: 264-843-8 CAS: 64359-81-5	≤0.022	Acute Tox. 4, H302 Acute Tox. 2, H330 Skin Corr. 1, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=100)	[1]
	Kaolin		≤0.1		[2]
REACH #: Annex V EC: 215-171-9	magnesium oxide	UK (GB) REACH #: Annex V REACH #: Annex V	≤0.1	Not classified.	[2]

	CAS: 1309-48-4			
reaction mass 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)	EC: 911-418-6 CAS: 55965-84-9 Index: 613-167-00-5	≤0.002	Acute Tox. 3, H301 Acute Tox. 2, H310 Acute Tox. 2, H330 Skin Corr. 1C, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=100) EUH071	[1]
Quartz (SiO2)	EC: 238-878-4 CAS: 14808-60-7	≤0.1	STOT RE 2, H373	[1] [2]
Formaldehyde	REACH #: 01-2119488953-20 EC: 200-001-8 CAS: 50-00-0 Index: 605-001-00-5	<0.1	Acute Tox. 3, H301 Acute Tox. 3, H311 Acute Tox. 2, H330 Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1, H317 Muta. 2, H341 Carc. 1B, H350 STOT SE 3, H335	[1] [2]
2,6-di-tert-butyl-p-cresol	EC: 204-881-4 CAS: 128-37-0	<0.1	Aquatic Chronic 1, H410 (M=1) See Section 16 for the full text of the H statements declared above.	[1] [2]

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section.

Туре

Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

Occupational exposure limits, if available, are listed in Section 8.

# **SECTION 4: First aid measures**

#### 4.1 Description of first aid measures

Eye contact	: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.
Inhalation	: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
Skin contact	: Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.
Ingestion	: Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such
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	as a collar, tie, belt or waistband.		
Protection of first-aiders	: No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation Wash contaminated clothing thoroughly with water before removing it, or wear gloves.		
	s and effects, both acute and delayed		
Over-exposure signs/sympt			
Eye contact	No specific data.		
Inhalation	No specific data.		
Skin contact	: Adverse symptoms may include the following: irritation redness		
Ingestion	: No specific data.		
4.3 Indication of any immedia	ate medical attention and special treatment needed		
Notes to physician	<ul> <li>Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.</li> </ul>		
Specific treatments	: No specific treatment.		
SECTION 5: Firefight	ing measures		
•			
5.1 Extinguishing media Suitable extinguishing media	: Use an extinguishing agent suitable for the surrounding fire.		
Unsuitable extinguishing media	: None known.		
5.2 Special hazards arising fr	rom the substance or mixture		
Hazards from the substance or mixture	: In a fire or if heated, a pressure increase will occur and the container may burst. This material is harmful to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.		
Hazardous combustion products	: Decomposition products may include the following materials: carbon dioxide carbon monoxide metal oxide/oxides		
5.3 Advice for firefighters			
Special protective actions for fire-fighters	: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.		
Special protective equipment for fire-fighters	: Fre-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to British standard BS EN 469 will provide a basic level of protection for		

# **SECTION 6: Accidental release measures**

6.1 Personal precautions, prot	ective equipn	nent and emergency p	rocedures			
For non-emergency personnel	Evacuate su entering. De mist. Provid	urrounding areas. Keep o not touch or walk thro de adequate ventilation.	ny personal risk or withc unnecessary and unpro ugh spilt material. Avoic Wear appropriate respi sonal protective equipm	tected perso breathing v rator when v	onnel <sup>:</sup> apour	from or
For emergency responders	information		and unsuitable material			
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## **SECTION 6: Accidental release measures**

6.2 Environmental precautions	: Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities.
6.3 Methods and material	for containment and cleaning up
Small spill	: Stop leak if without risk. Move containers from spill area. Absorb with an inert material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
Large spill	: Stop leak if without risk. Move containers from spill area. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spill product. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.
6.4 Reference to other sections	: See Section 1 for emergency contact information. See Section 8 for information on appropriate personal protective equipment. See Section 13 for additional waste treatment information.

# **SECTION 7: Handling and storage**

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

#### 7.1 Precautions for safe handling

Protective measures	: Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapour or mist. Avoid release to the environment. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
Advice on general occupational hygiene	: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

#### 7.2 Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

#### 7.3 Specific end use(s) Recommendations Industrial sector specific solutions

- : Not available.
- : Not available.

### **SECTION 8: Exposure controls/personal protection**

8.1 Control parameters	
Occupational exposure limits	
2-(2-butoxyethoxy)ethanol	EH40/2005 WELs (United Kingdom (UK), 1/2020)
¢ (= = ====; = ===; )) = =====	TWA 8 hours: 10 ppm.
	TWA 8 hours: 67.5 mg/m <sup>3</sup> .
	STEL 15 minutes: 15 ppm.
	STEL 15 minutes: 101.2 mg/m <sup>3</sup> .
Propylene glycol	EH40/2005 WELs (United Kingdom (UK), 1/2020)
	TWA 8 hours: 474 mg/m <sup>3</sup> . Form: total vapour and particulates.
	TWA 8 hours: 150 ppm. Form: total vapour and particulates.
A	TWA 8 hours: 10 mg/m <sup>3</sup> . Form: Particulate.
Ammonia	EH40/2005 WELs (United Kingdom (UK), 1/2020) [ammonia]
	STEL 15 minutes: 25 mg/m³. Form: anhydrous. STEL 15 minutes: 35 ppm. Form: anhydrous.
	TWA 8 hours: 25 ppm. Form: anhydrous.
	TWA 8 hours: 18 mg/m <sup>3</sup> . Form: anhydrous.
Kaolin	EH40/2005 WELs (United Kingdom (UK), 1/2020)
	TWA 8 hours: 2 mg/m <sup>3</sup> . Form: respirable dust.
magnesium oxide	EH40/2005 WELs (United Kingdom (UK), 1/2020)
-	TWA 8 hours: 10 mg/m³ (as Mg). Form: inhalable dust fume.
	TWA 8 hours: 4 mg/m³ (as Mg). Form: respirable dust.
Quartz (SiO2)	EH40/2005 WELs (United Kingdom (UK), 1/2020) [silica,
	respirable crystalline] Carc.
	TWA 8 hours: 0.1 mg/m <sup>3</sup> . Form: Respirable fraction.
Formaldehyde	EH40/2005 WELs (United Kingdom (UK), 1/2020) Carc.
	STEL 15 minutes: 2.5 mg/m³. STEL 15 minutes: 2 ppm.
	TWA 8 hours: 2 ppm.
	TWA 8 hours: 2.5 mg/m <sup>3</sup> .
2,6-di-tert-butyl-p-cresol	EH40/2005 WELs (United Kingdom (UK), 1/2020)
	TWA 8 hours: 10 mg/m <sup>3</sup> .
Biological exposure indices	
No exposure indices known.	
No exposure indices known.	
Recommended monitoring :	Reference should be made to monitoring standards, such as the following: British
procedures	Standard BS EN 689 (Workplace atmospheres - Guidance for the assessment of
	exposure by inhalation to chemical agents for comparison with limit values and
	measurement strategy) British Standard BS EN 14042 (Workplace atmospheres -
	Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) British Standard BS EN 482 (Workplace
	atmospheres - General requirements for the performance of procedures for the
	measurement of chemical agents) Reference to national guidance documents for
	methods for the determination of hazardous substances will also be required.
DNELs/DMELs	
Product/ingredient name	Result
2-(2-butoxyethoxy)ethanol	DNEL - General population - Long term - Oral
	6.25 mg/kg bw/day
	<u>Effects</u> : Systemic
	DNEL - Workers - Long term - Inhalation
	67.5 mg/m³ <u>Effects</u> : Local
	LIICUS. LUCAI
	DNEL - Workers - Short term - Inhalation

Propylene glycol

**DNEL - General population - Long term - Inhalation** 10 mg/m<sup>3</sup> <u>Effects</u>: Local

#### **DNEL - Workers - Long term - Inhalation**

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101.2 mg/m<sup>3</sup> Effects: Local

	10 mg/m³
	<u>Effects</u> : Local
	<b>DNEL - General population - Long term - Inhalation</b> 50 mg/m <sup>3</sup> <u>Effects</u> : Systemic
	<b>DNEL - Workers - Long term - Inhalation</b> 168 mg/m³ <u>Effects</u> : Systemic
)-9-Octadecen-1-ol ethoxylated	<b>DNEL - General population - Long term - Oral</b> 2.5 mg/kg bw/day <u>Effects</u> : Systemic
	<b>DNEL - General population - Long term - Inhalation</b> 6.53 mg/m <sup>3</sup> <u>Effects</u> : Systemic
	<b>DNEL - Workers - Long term - Inhalation</b> 37 mg/m <sup>3</sup> <u>Effects</u> : Systemic
	<b>DNEL - General population - Long term - Dermal</b> 125 mg/kg bw/day <u>Effects</u> : Systemic
	<b>DNEL - Workers - Long term - Dermal</b> 350 mg/kg bw/day <u>Effects</u> : Systemic
odo-2-propynyl-butyl carbamate	<b>DNEL - Workers - Long term - Inhalation</b> 0.023 mg/m <sup>3</sup> <u>Effects</u> : Systemic
	<b>DNEL - Workers - Short term - Inhalation</b> 0.07 mg/m <sup>3</sup> <u>Effects</u> : Systemic
	<b>DNEL - Workers - Short term - Inhalation</b> 1.16 mg/m³ <u>Effects</u> : Local
	<b>DNEL - Workers - Long term - Inhalation</b> 1.16 mg/m³ <u>Effects</u> : Local
	<b>DNEL - Workers - Long term - Dermal</b> 2 mg/kg bw/day <u>Effects</u> : Systemic
action mass of: 5-chloro-2-methyl- sothiazolin-3-one [EC no. 247-500-7] and methyl-2H-isothiazol-3-one [EC no. 0-239-6] (3:1)	<b>DNEL - General population - Long term - Inhalation</b> 0.02 mg/m <sup>3</sup> <u>Effects</u> : Local
	<b>DNEL - Workers - Long term - Inhalation</b> 0.02 mg/m³ <u>Effects</u> : Local
	<b>DNEL - General population - Short term - Inhalation</b> 0.04 mg/m <sup>3</sup> <u>Effects</u> : Local
	<b>DNEL - Workers - Short term - Inhalation</b> 0.04 mg/m <sup>3</sup>

Effects: Local **DNEL - General population - Long term - Oral** 0.09 mg/kg bw/day Effects: Systemic **DNEL - General population - Short term - Oral** 0.11 mg/kg bw/day Effects: Systemic **DNEL - General population - Long term - Dermal** Formaldehyde 12 µg/cm<sup>2</sup> Effects: Local **DNEL - Workers - Long term - Dermal** 37 µg/cm<sup>2</sup> Effects: Local **DNEL - General population - Long term - Inhalation** 0.1 mg/m<sup>3</sup> Effects: Local **DNEL - Workers - Long term - Inhalation** 0.375 mg/m<sup>3</sup> Effects: Local **DNEL - Workers - Short term - Inhalation** 0.75 ma/m<sup>3</sup> Effects: Local **DNEL - General population - Long term - Inhalation** 3.2 mg/m<sup>3</sup> Effects: Systemic **DNEL - General population - Long term - Oral** 4.1 mg/kg bw/day Effects: Systemic **DNEL - Workers - Long term - Inhalation** 9 mg/m<sup>3</sup> Effects: Systemic **DNEL - General population - Long term - Dermal** 102 mg/kg bw/day Effects: Systemic **DNEL - Workers - Long term - Dermal** 240 ma/ka bw/dav Effects: Systemic DNEL - General population - Long term - Oral 2,6-di-tert-butyl-p-cresol 0.25 mg/kg bw/day Effects: Systemic DNEL - General population - Long term - Dermal 0.25 mg/kg bw/day Effects: Systemic

**DNEL - General population - Long term - Inhalation** 0.435 mg/m<sup>3</sup> <u>Effects</u>: Systemic

**DNEL - Workers - Long term - Dermal** 0.5 mg/kg bw/day <u>Effects</u>: Systemic

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# **SECTION 8: Exposure controls/personal protection**

**DNEL - Workers - Long term - Inhalation** 1.76 mg/m<sup>3</sup> <u>Effects</u>: Systemic

#### **PNECs**

Not available.

8.2 Exposure controls			
Appropriate engineering controls	Good general ventilation should be sufficient to control worker exposure to airborne contaminants.		
Individual protection meas	ures de la constante de la const		
Hygiene measures	: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.		
Eye/face protection	: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.		
Skin protection			
Hand protection	: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.		
	Recommendations : Wear suitable gloves tested to EN374.		
	> 8 hours (breakthrough time): Nitrile gloves. thickness > 0.3 mm		
	Not recommended polyvinyl alcohol (PVA) gloves		
Body protection	: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.		
Other skin protection	<ul> <li>Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.</li> </ul>		
Respiratory protection	: Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.		
Environmental experime	Filter type (spray application): A P		
Environmental exposure controls	: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.		

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

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

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

Appearance			
Physical state	: Liquid.		
Colour	: Various		
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Odour		Slight					
Odour threshold	:	Not a	vailable.				
Melting point/freezing point	:	Not a	vailable.				
Initial boiling point and boiling range	:						
Ingredient name			°C	°F	Μ	ethod	
water			100	212			
2-(2-butoxyethoxy)ethanol			225 to 227.	6 437 to 44	41.7		
Flammability (solid, gas)	:	Not a	vailable.	ŀ	I IIII		
Upper/lower flammability or explosive limits	:			2-butoxyethoxy)e 2-butoxyethoxy)e			
Flash point	:	Close	ed cup: >100	°C (>212°F)			
Auto-ignition temperature	:						
Ingredient name			°C	°F	N	lethod	
2-(2-butoxyethoxy)ethanol			210	410	D	IN 51794	
Decomposition temperature	:	Not a	vailable.		Į		
рН	:	<mark>8</mark> .5 to	9.2 [Conc. (	(% w/w): 100%]			
Viscosity	:	Kinen	natic (room t	emperature): Not temperature): No Not available.			
Solubility(ies) Not available.	:						
Solubility in water	:	Not a	vailable.				
Partition coefficient: n-octan	<b>ol</b> / :	Not a	pplicable.				
water Vapour pressure	:						
water	:	Vap	our Pressu	re at 20°C	V	apour pres	sure at 50°C
water Vapour pressure	: mm H		our Pressu kPa	re at 20°C Method	V mm Hg	apour pres	ssure at 50°C

	wáter	17.5	2.3			
	2-(2-butoxyethoxy)ethanol	0.022	0.0029			
Relative density : Not available.						
C	Density	: 1.3 g	/cm³			
١	/apour density	: Not available.				
E	Explosive properties	: Not a	available.			
(	Dxidising properties	: Not a	available.			
E	Particle characteristics					
	Median particle size	: Not a	applicable.			

### 9.2 Other information

Not available.

Γ

SECTION 10: Stability and reactivity			
10.1 Reactivity	: No specific test data related to reactivity available for this product or its ingredients.		
10.2 Chemical stability	: The product is stable.		
10.3 Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.		

SECTION 10: Stability and reacti	vity
<b>10.4 Conditions to avoid</b> : No specific da	ata.
10.5 Incompatible materials : No specific da	ata.
10.6 Hazardous: Under normaldecomposition productsshould not be	conditions of storage and use, hazardous decomposition products produced.
SECTION 11: Toxicological infor	mation
11.1 Information on toxicological effects	
Acute toxicity Product/ingredient name 2-(2-butoxyethoxy)ethanol	<mark>Result</mark> Rabbit - Dermal - LD50 2700 mg/kg
	<b>Rat - Oral - LD50</b> 4500 mg/kg <u>Toxic effects</u> : Behavioral - Tetany Lung, Thorax, or Respiration - Dyspnea Liver - Other changes
Propylene glycol	<b>Rat - Oral - LD50</b> 20 g/kg
	<b>Rabbit - Dermal - LD50</b> 20800 mg/kg
3-iodo-2-propynyl-butyl carbamate	<b>Rat - Oral - LD50</b> 400 mg/kg
	<b>Rat - Dermal - LD50</b> >2000 mg/kg
	<b>Rat - Inhalation - LC50 Dusts and mists</b> 0.763 mg/l [4 hours]
	<b>Rat - Inhalation - LC50 Dusts and mists</b> 0.67 g/m <sup>3</sup> [4 hours]
Ammonia	<b>Rat - Oral - LD50</b> 350 mg/kg <u>Toxic effects</u> : Gastrointestinal - Other changes Liver - Other changes Kidney, Ureter, and Bladder - Other changes
4,5-dichloro-2-octyl-2H-isothiazol-3-one	<b>Rat - Oral - LD50</b> 1585 mg/kg OECD [Acute Oral Toxicity]
	<b>Rabbit - Dermal - LD50</b> >652 mg/kg OECD [Acute Dermal Toxicity]
	<b>Rat - Male, Female - Inhalation - LC50 Dusts and mists</b> 0.26 mg/l [4 hours] OECD [Acute Inhalation Toxicity]
reaction mass 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)	<b>Rat - Oral - LD50</b> 53 mg/kg <u>Toxic effects</u> : Behavioral - Somnolence (general depressed activity) Behavioral - Ataxia Lung, Thorax, or Respiration - Respiratory depression
Formaldehyde	<b>Rat - Oral - LD50</b> 100 mg/kg

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## SECTION 11: Toxicological information

Rabbit - Dermal - LD50 270 mg/kg

Rat - Inhalation - LC50 Gas. 250 ppm [4 hours]

2,6-di-tert-butyl-p-cresol

Rat - Oral - LD50 890 mg/kg

Conclusion/Summary [Product] : Not available.

#### Acute toxicity estimates

Product/ingredient name	Oral (mg/ kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapours) (mg/l)	Inhalation (dusts and mists) (mg/l)
<ul> <li>2-(2-butoxyethoxy)ethanol</li> <li>Propylene glycol</li> <li>3-iodo-2-propynyl-butyl carbamate</li> <li>4,5-dichloro-2-octyl-2H-isothiazol-3-one</li> <li>reaction mass of: 5-chloro-2-methyl-4-isothiazolin-</li> <li>3-one [EC no. 247-500-7] and 2-methyl-2H-</li> <li>isothiazol-3-one [EC no. 220-239-6] (3:1)</li> </ul>	4500 20000 400 567 53	2700 20800 N/A N/A 50	N/A N/A N/A N/A N/A	N/A N/A N/A 0.5	N/A N/A 0.67 0.16 N/A
Formaldehyde	100	270	250	N/A	N/A

#### **Skin corrosion/irritation**

**Product/ingredient name** 

(Z)-9-Octadecen-1-ol ethoxylated

reaction mass of: 5-chloro-2-methyl-

2-methyl-2H-isothiazol-3-one [EC no.

220-239-6] (3:1)

Formaldehyde

4-isothiazolin-3-one [EC no. 247-500-7] and

Propylene glycol

#### Result

Child - Skin - Moderate irritant Duration of treatment/exposure: 96 hours Amount/concentration applied: 30 % C

#### Human - Skin - Mild irritant

Duration of treatment/exposure: 168 hours Amount/concentration applied: 500 mg

#### Human - Skin - Moderate irritant

Duration of treatment/exposure: 72 hours Amount/concentration applied: 104 mg l

#### Woman - Skin - Mild irritant

Duration of treatment/exposure: 96 hours Amount/concentration applied: 30 %

#### Rabbit - Skin - Moderate irritant

Duration of treatment/exposure: 24 hours Amount/concentration applied: 500 mg

#### Human - Skin - Severe irritant

Amount/concentration applied: 0.01 %

#### Human - Skin - Mild irritant

Duration of treatment/exposure: 72 hours Amount/concentration applied: 150 ug I

#### Human - Skin - Severe irritant Amount/concentration applied: 0.01 %

Rabbit - Skin - Mild irritant Amount/concentration applied: 540 mg

#### Rabbit - Skin - Moderate irritant

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# **SECTION 11: Toxicological information**

SECTION 11: Toxicological informa	tion
	Duration of treatment/exposure: 24 hours Amount/concentration applied: 50 mg
	Rabbit - Skin - Severe irritant Duration of treatment/exposure: 24 hours Amount/concentration applied: 2 mg
	Rabbit - Skin - Severe irritant Amount/concentration applied: 0.8 %
	Mouse - Skin - Moderate irritant Amount/concentration applied: 7 %
	Rat - Skin - Moderate irritant Amount/concentration applied: 7 %
2,6-di-tert-butyl-p-cresol	Human - Skin - Mild irritant Duration of treatment/exposure: 48 hours Amount/concentration applied: 500 mg
	Rabbit - Skin - Moderate irritant Duration of treatment/exposure: 48 hours Amount/concentration applied: 500 mg
Conclusion/Summary [Product] : Not availab	ole.
Serious eye damage/eye irritation	
Product/ingredient name	Result
2-(2-butoxyethoxy)ethanol	Rabbit - Eyes - Moderate irritant Duration of treatment/exposure: 24 hours Amount/concentration applied: 20 mg
	Rabbit - Eyes - Severe irritant Amount/concentration applied: 20 mg
Propylene glycol	Rabbit - Eyes - Mild irritant Duration of treatment/exposure: 24 hours Amount/concentration applied: 500 mg
	Rabbit - Eyes - Mild irritant Amount/concentration applied: 100 mg
(Z)-9-Octadecen-1-ol ethoxylated	Rabbit - Eyes - Moderate irritant Amount/concentration applied: 100 uL
3-iodo-2-propynyl-butyl carbamate	Rabbit - Eyes - Severe irritant
Ammonia	Rabbit - Eyes - Severe irritant Amount/concentration applied: 250 ug
	Rabbit - Eyes - Severe irritant Amount/concentration applied: 44 ug
	Rabbit - Eyes - Severe irritant Duration of treatment/exposure: 0.5 minutes Amount/concentration applied: 1 mg
Formaldehyde	Human - Eyes - Mild irritant Duration of treatment/exposure: 6 minutes Amount/concentration applied: 1 ppm
	Rabbit - Eyes - Severe irritant Duration of treatment/exposure: 24 hours Amount/concentration applied: 750 ug

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SECTION 11: Toxicological infor	
	Rabbit - Eyes - Severe irritant Amount/concentration applied: 750 ug
	Rabbit - Eyes - Severe irritant Amount/concentration applied: 37 %
	Rabbit - Eyes - Severe irritant Amount/concentration applied: 10 mg
	Mouse - Eyes - Moderate irritant Amount/concentration applied: 3 %
2,6-di-tert-butyl-p-cresol	<b>Rabbit - Eyes - Moderate irritant</b> <u>Duration of treatment/exposure</u> : 24 hours <u>Amount/concentration applied</u> : 100 mg
Conclusion/Summary [Product] : Not ava	ailable.
Respiratory corrosion/irritation Not available.	
Conclusion/Summary [Product] : Not ava	ailable.
Respiratory or skin sensitization	
Product/ingredient name	Result
♂-iodo-2-propynyl-butyl carbamate	Guinea pig - skin <u>Result</u> : Not sensitizing
Skin Conclusion/Summary [Product] : Not ava	ailable.
Poppiratory.	
Respiratory Conclusion/Summary [Product] : Not available:	ailable.
Germ cell mutagenicity	
Product/ingredient name	Result
3-iodo-2-propynyl-butyl carbamate	In vitro - Bacteria <u>Result</u> : Negative
Conclusion/Summary [Product] : Not ava	ailable.
<u>Carcinogenicity</u> Not available.	
Conclusion/Summary [Product] : Not ava	ailable.
Reproductive toxicity	
Product/ingredient name	Result
♂-iodo-2-propynyl-butyl carbamate	<b>Rabbit - Female - Oral</b> 50 mg/kg [7 days per week] [13 days] <u>Maternal toxicity</u> : Positive <u>Developmental</u> : Negative

Rabbit - Female - Oral 20 mg/kg [7 days per week] [13 days]

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		Maternal toxicity: Negative		
		Developmental: Negative		
Conclusion/Summary [Pro	oduct] : Not availa	able.		
Specific target organ toxicit	ty (single exposure)			
Product/ingredient name		Result		
Ammonia		STOT SE 3, H335 (Respiratory tract irritation)		
Formaldehyde		STOT SE 3, H335 (Respiratory tract irritation)		
Specific target organ toxicit	ty (repeated exposu	re)		
Product/ingredient name		Result		
iodo-2-propynyl-butyl carba Quartz (SiO2)	amate	STOT RE 1, H372 (larynx) STOT RE 2, H373		
Aspiration hazard				
Not available.				
Information on likely routes	of exposure			
Not available.				
Potential acute health effect	ts			
Eye contact		cant effects or critical hazards.		
Inhalation	•	cant effects or critical hazards.		
Skin contact	-	lergic skin reaction.		
Ingestion	: No known signifi	cant effects or critical hazards.		
		d toxicological characteristics		
Eye contact	: No specific data			
Inhalation	•	: No specific data.		
Skin contact	: Adverse sympto irritation redness	ms may include the following:		
Ingestion	: No specific data			
Delayed and immediate offe	octe as woll as chror	nic effects from short and long-term exposure		
Short term exposure		inc enects from short and long-term exposure		
Potential immediate effects	: Not available.			
Potential delayed effects	: Not available.			
Long term exposure				
Potential immediate effects	: Not available.			
Potential delayed effects	: Not available.			
Potential chronic health effe	ects			
Not available.				
Conclusion/Summary [Pro	oduct] : Not availa	ble.		
General	: Once sensitized to very low levels	, a severe allergic reaction may occur when subsequently exposed s.		
Carcinogenicity	: No known signif	icant effects or critical hazards.		
Mutagenicity	: No known signif	icant effects or critical hazards.		
Reproductive toxicity	: No known signif	icant effects or critical hazards.		
Reproductive toxicity				
Other information Not available.				

# **SECTION 12: Ecological information**

#### 12.1 Toxicity

#### Product/ingredient name

2-(2-butoxyethoxy)ethanol

Propylene glycol

3-iodo-2-propynyl-butyl carbamate

Ammonia

4,5-dichloro-2-octyl-2H-isothiazol-3-one

#### Result

Acute - LC50 - Fresh water Fish - Bluegill - *Lepomis macrochirus* Size: 33 to 75 mm 1300000 μg/l [96 hours] Effect: Mortality

#### Acute - LC50 - Fresh water

EU Fish - Trout - *Oncorhynchus mykiss* 40613 mg/l [96 hours]

#### Acute - EC50 - Fresh water

EU Algae - Algae 19300 mg/l [96 hours]

#### Acute - LC50 - Fresh water

Crustaceans - Water flea - *Ceriodaphnia dubia* <u>Age</u>: <24 hours 18340000 μg/l [48 hours] <u>Effect</u>: Mortality

### Acute - LC50 - Fresh water

EU Fish - Trout - *Oncorhynchus mykiss* 0.067 mg/l [96 hours]

#### Acute - NOEC - Fresh water EU Fish - Trout - Oncorhynchus my

Fish - Trout - *Oncorhynchus mykiss* 0.049 mg/l [96 hours]

#### Acute - EC50 - Fresh water

EU Daphnia - Daphnia - *Daphnia magna* 0.16 mg/l [48 hours]

#### Chronic - NOEC - Fresh water

EU Daphnia - Daphnia - *Daphnia Magna* 0.05 mg/l [21 days]

#### Acute - EC50 - Fresh water

EU Algae - Algae - *Scenedemus subspicatus* 0.022 mg/l [72 hours]

#### Acute - LC50 - Fresh water Fish - Western mosquitofish - *Gambusia affinis* - Adult 37 ppm [96 hours] <u>Effect</u>: Mortality

Acute - EC50 - Fresh water Algae - Green algae - *Pseudokirchneriella subcapitata* 0.003 mg/l [72 hours] <u>Effect</u>: Population

#### Acute - EC50 - Fresh water

Daphnia - Water flea - *Daphnia magna* 0.001 mg/l [48 hours] <u>Effect</u>: Intoxication

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# **SECTION 12: Ecological information**

SECTION 12: Ecological info	ormation
	Acute - LC50 - Fresh water US EPA Fish - Rainbow trout,donaldson trout - <i>Oncorhynchus mykiss</i> <u>Weight</u> : 1.2 g 2.7 ppb [96 hours] <u>Effect</u> : Mortality
	<b>Chronic - NOEC</b> US EPA Fish - Rainbow trout,donaldson trout - <i>Oncorhynchus mykiss</i> 0.56 ppb [97 days] <u>Effect</u> : Growth
	<b>Chronic - NOEC - Marine water</b> OECD Algae - Diatom - <i>Nitzschia pungens</i> 19.789 μg/l [96 hours] <u>Effect</u> : Population
Formaldehyde	<b>Acute - EC50 - Fresh water</b> Daphnia - Water flea - <i>Daphnia pulex</i> - Neonate <u>Age</u> : <24 hours 5800 μg/l [48 hours] <u>Effect</u> : Intoxication
	<b>Acute - EC50 - Marine water</b> Algae - Green algae - <i>Ulva pertusa</i> 0.788 mg/l [96 hours] <u>Effect</u> : Reproduction
	<b>Acute - LC50 - Fresh water</b> US EPA Fish - Rainbow trout,donaldson trout - <i>Oncorhynchus mykiss</i> 1.41 ppm [96 hours] <u>Effect</u> : Mortality
	<b>Chronic - NOEC - Fresh water</b> Fish - Chinook salmon - <i>Oncorhynchus tshawytscha</i> - Egg 953.9 ppm [43 days] <u>Effect</u> : Mortality
	<b>Chronic - NOEC - Marine water</b> Algae - Haptophyte - <i>Isochrysis galbana</i> - Exponential growth phase <u>Age</u> : 4 to 5 days 0.005 mg/l [96 hours] <u>Effect</u> : Population
2,6-di-tert-butyl-p-cresol	<b>Acute - EC50 - Fresh water</b> Daphnia - Water flea - <i>Daphnia pulex</i> - Neonate <u>Age</u> : <24 hours 1440 μg/l [48 hours] <u>Effect</u> : Intoxication
Conclusion/Summary [Product] :	Not available.
<b>12.2 Persistence and degradability</b> Not available.	

Conclusion/Summary [Product] : Not available.

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# **SECTION 12: Ecological information**

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
Propylene glycol	-	-	Readily
3-iodo-2-propynyl-butyl carbamate	-	-	Not readily

#### 12.3 Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
2-(2-butoxyethoxy)ethanol	1	-	Low
Propylene glycol	-1.07	-	Low
3-iodo-2-propynyl-butyl carbamate	>1	-	Low
2,6-di-tert-butyl-p-cresol	5.1	330 to 1800	High

12.4 Mobility in soil	
Soil/water partition	: Not available.
coefficient	
Mobility	: Not available.

#### 12.5 Results of PBT and vPvB assessment

Product/ingredient name	PBT	Р	В	Т	vPvB	vP	vB
2-(2-butoxyethoxy)ethanol	No	No	No	No	No	No	No
Propylene glycol	No	No	No	No	No	No	No
(Z)-9-Octadecen-1-ol ethoxylated	No	No	No	No	No	No	No
3-iodo-2-propynyl-butyl carbamate	No	No	No	Yes	No	No	No
Ammonia	No	No	No	No	No	No	No
4,5-dichloro-2-octyl-2H- isothiazol-3-one	No	No	No	Yes	No	No	No
Kaolin	No	No	No	No	No	No	No
magnesium oxide	No	No	No	No	No	No	No
reaction mass 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)	No	No	No	No	No	No	No
Quartz (SiO2)	No	No	No	No	No	No	No
Formaldehyde	No	No	No	Yes	No	No	No
2,6-di-tert-butyl-p-cresol	No	No	No	No	No	No	No

**12.6 Other adverse effects** : No known significant effects or critical hazards.

# **SECTION 13: Disposal considerations**

3.1 Waste treatment method	ods
Product	
Methods of disposal	: The generation of waste should be avoided or minimised wherever possible. 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. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.
European waste catalogue (EWC)	<b>:</b> 080111*, 200127*

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# SECTION 13: Disposal considerations

#### Packaging

: The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

**Special precautions** 

This material and its container must be disposed of in a safe way. Care should be ÷. taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

# **SECTION 14: Transport information**

	ADR/RID	ADN	IMDG	ΙΑΤΑ
14.1 UN number	Not regulated.	Not regulated.	Not regulated.	Not regulated.
14.2 UN proper shipping name	-	-	-	-
14.3 Transport hazard class(es)	-	-	-	-
14.4 Packing group	-	-	-	-
14.5 Environmental hazards	No.	No.	No.	No.

14.6 Special precautions for	:	Transport within user's premises: always transport in closed containers that are
user		upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

### 14.7 Transport in bulk according to IMO

: Not relevant/applicable due to nature of the product.

### instruments

# SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture **UK (GB)/REACH** 

Annex XIV - List of substances subject to authorisation

# **Annex XIV**

None of the components are listed.

#### Substances of very high concern

None of the components are listed.

#### **Ozone depleting substances**

Not listed.

#### **Prior Informed Consent (PIC)**

Not listed.

#### **Persistent Organic Pollutants** Not listed.

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

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SECTION 15: Regulatory information					
	Product/ingredient name	%	Designation [Usage]		
	SILOKSAN ANTI-CARB 2-(2-butoxyethoxy)ethanol Formaldehyde	≥90 ≤3 <0.1	3 55 [Consumer paint] 72		

#### **Seveso Directive**

This product is not controlled under the Seveso Directive.

#### **National regulations**

Product/ingredient name	List name	Name on list	Classification	Notes
Øuartz (SiO2)		silica, respirable crystalline	Carc	-
Formaldehyde	EH40/2005 WELs	-	Carc	-

#### **EU regulations**

Industrial emissions (integrated pollution prevention and control) - Air	: Not listed			
Industrial emissions (integrated pollution prevention and control) - Water	: Not listed			
International regulations				
Chemical Weapon Convention List Schedules I, II & III Chemicals				

Not listed.

#### Montreal Protocol

Not listed.

#### Stockholm Convention on Persistent Organic Pollutants

Not listed.

#### **Rotterdam Convention on Prior Informed Consent (PIC)**

Not listed.

#### **UNECE Aarhus Protocol on POPs and Heavy Metals**

Not listed.

# **15.2 Chemical safety** assessment

: This product contains substances for which Chemical Safety Assessments are still required.

### **SECTION 16: Other information**

Indicates information that has changed from previously issued version.

Abbreviations and acronyms	<ul> <li>ATE = Acute Toxicity Estimate GB CLP = UK CLP (EC No 1272/2008) on the Classification, Labelling and Packaging of Substances and Mixtures as amended by (EU Exit) Regulations 2019 No. 720 and amendments DMEL = Derived Minimal Effect Level DNEL = Derived No Effect Level EUH statement = GB CLP-specific Hazard statement N/A = Not available PBT = Persistent, Bioaccumulative and Toxic PNEC = Predicted No Effect Concentration RRN = REACH Registration Number SGG = Segregation Group vPvB = Very Persistent and Very Bioaccumulative</li> </ul>
Procedure used to derive the	he classification

Procedure used to derive the classification

SECTION 16: Other information				
Classification	Justification			
Skin Sens. 1, H317	Calculation method			
Aquatic Chronic 3, H412	Calculation method			

#### Full text of abbreviated H statements

<b>H</b> 301	Toxic if swallowed.
H302	Harmful if swallowed.
H310	Fatal in contact with skin.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H331	Toxic if inhaled.
H335	May cause respiratory irritation.
H341	Suspected of causing genetic defects.
H350	May cause cancer.
H372	Causes damage to organs through prolonged or repeated exposure.
H373	May cause damage to organs through prolonged or repeated exposure.
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.
EUH071	Corrosive to the respiratory tract.

#### Full text of classifications

Acute Tox. 2	ACUTE TOXICITY - Category 2
Acute Tox. 3	ACUTE TOXICITY - Category 3
Acute Tox. 4	ACUTE TOXICITY - Category 4
Aquatic Acute 1	SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 1
Aquatic Chronic 1	LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 1
Aquatic Chronic 3	LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3
Carc. 1B	CARCINOGENICITY - Category 1B
Eye Dam. 1	SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1
Eye Irrit. 2	SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2
Muta. 2	GERM CELL MUTAGENICITY - Category 2
Skin Corr. 1	SKIN CORROSION/IRRITATION - Category 1
Skin Corr. 1B	SKIN CORROSION/IRRITATION - Category 1B
Skin Corr. 1C	SKIN CORROSION/IRRITATION - Category 1C
Skin Irrit. 2	SKIN CORROSION/IRRITATION - Category 2
Skin Sens. 1	SKIN SENSITISATION - Category 1
Skin Sens. 1A	SKIN SENSITISATION - Category 1A
STOT RE 1	SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 1
STOT RE 2	SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 2
STOT SE 3	SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE - Category 3
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#### Notice to reader

The information in this SDS is based on the present state of our knowledge and on current laws. The product is not to be used for purposes other than those specified under section 1 without first obtaining written handling instructions. It is always the responsibility of the user to take all necessary steps to fulfil the demands set out in the local rules and legislation. The information in this SDS is meant to be a description of the safety requirements for our product. It is not to be considered a guarantee of the product's properties.

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