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

1.1 Product identifier		
Trade name	: BELCARE	
1.2 Relevant identified uses	of the substance or mixtur	e and uses advised against
Use of the Sub-	: Consumer uses	

-duc ani lo aco	. Consumer use
stance/Mixture	Wiping
	Care product

1.3 Details of the supplier of the safety data sheet

Company	: Helios TBLUS d.o.o. Količevo 65 1230 Domžale Slovenia
Telephone Company	: 386 (1) 722 4383
Telefax Company	: 386 (1) 722 4310
Responsible/issuing person	: 386 (1) 722 4383 productsafety@helios.si

1.4 Emergency telephone number

112 V nujnih primerih poklicati 112

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)					
Long-term (chronic) aquatic hazard, Cat- egory 3	H412: Harmful to aquatic life with long lasting ef- fects.				
2.2 Label elements					

Labelling (REGULATION (EC) No 1272/2008)

Hazard statements	: H	H412	Harmful to aquatic life with long lasting effects.	
Precautionary statements		P102	If medical advice is ne label at hand. Keep out of reach of c Read label before use	
	F	Prever	ntion:	
	F	P273	Avoid release to the e	nvironment.
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Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

Additional Labelling

EUH208

Contains 1,2-benzisothiazol-3(2H)-one, 2-Methyl-2H-isothiazol-3-one. May produce an allergic reaction.

2.3 Other hazards

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

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Chemical nature

: aqueous dispersion

Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
isoproturon (ISO)	34123-59-6 251-835-4 006-044-00-7	Carc. 2; H351 STOT RE 2; H373 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	>= 0,025 - < 0,1
3-iodo-2-propynyl butylcarbamate	55406-53-6 259-627-5 616-212-00-7	Acute Tox. 4; H302 Acute Tox. 3; H331 Eye Dam. 1; H318 Skin Sens. 1; H317 STOT RE 1; H372 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	>= 0,025 - < 0,1
1,2-benzisothiazol-3(2H)-one	2634-33-5 220-120-9 613-088-00-6 01-2120761540-60	Acute Tox. 4; H302 Skin Irrit. 2; H315 Eye Dam. 1; H318 Skin Sens. 1; H317 Aquatic Acute 1; H400	>= 0,0025 - < 0,025
2-Methyl-2H-isothiazol-3-one	2682-20-4 220-239-6	Acute Tox. 3; H301 Acute Tox. 2; H330 Acute Tox. 3; H311 Skin Corr. 1B; H314 Eye Dam. 1; H318	>= 0,0002 - < 0,0015

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			Skin Sens. 1A; H317 Aquatic Acute 1; H400 Aquatic Chronic 1; H410

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice	:	Do not leave the victim unattended.
If inhaled	:	If unconscious, place in recovery position and seek medical advice. If symptoms persist, call a physician.
In case of eye contact	:	Remove contact lenses. Protect unharmed eye. If eye irritation persists, consult a specialist.
If swallowed	:	Keep respiratory tract clear. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.

4.2 Most important symptoms and effects, both acute and delayed

None known.

4.3 Indication of any immediate medical attention and special treatment needed Treatment : Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

5.2 Special hazards arising from the substance or mixture					
Specific hazards during fire- fighting	:	Do not allow run-off from fire courses.	fighting to enter drains or water		
5.3 Advice for firefighters					
Special protective equipment for firefighters	:	: Wear self-contained breathing apparatus for firefighting if nec- essary.			
Further information	:	 Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. 			
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SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

6.2 Environmental precautions

Environmental precautions	:	Prevent product from entering drains. If the product contaminates rivers and lakes or drains inform respective authorities.
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6.3 Methods and material for containment 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 disposal considerations see section 13., 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. Smoking, eating and drinking should be prohibited in the application area.
	Advice on protection against fire and explosion	:	•
	Hygiene measures	:	General industrial hygiene practice.
7.2	Conditions for safe storage, in	ncl	uding any incompatibilities
	Requirements for storage areas and containers	:	Containers which are opened must be carefully resealed and kept upright to prevent leakage. Electrical installations / working materials must comply with the technological safety standards.
	Advice on common storage	:	No materials to be especially mentioned.
	Further information on stor- age stability	:	No decomposition if stored and applied as directed.
7.3	Specific end use(s)		
	Specific use(s)	:	For further information, refer to the product technical data sheet.

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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 parameters	Basis
3-iodo-2-propynyl butylcarbamate	55406-53-6	MV	0,005 ppm 0,058 mg/m3	SI OEL
Further information	Substances without teratogenic effects when respecting limit values and bat values.			
		KTV	0,01 ppm 0,116 mg/m3	SI OEL
Further information	Substances without teratogenic effects when respecting limit values and bat values.			

8.2 Exposure controls

Personal protective equipment

Eye protection	:	Safety glasses
Skin and body protection	:	Protective suit

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance Colour Odour Odour Threshold	:	liquid milky acrylic-like No data available
рН	:	8 - 9
Melting point/freezing point	:	O° 0
Boiling point/boiling range	:	Not applicable
Flash point	:	Not applicable
Evaporation rate	:	No data available
Upper explosion limit / Upper flammability limit	:	Not applicable
Lower explosion limit / Lower flammability limit	:	Not applicable
Vapour pressure	:	No data available
Density	:	1,03 - 1,12 g/cm3

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according to Regulation (EC) No. 1907/2006



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Solubility(ies) Water solubility Partition coefficient: n- octanol/water Viscosity Viscosity, kinematic		: completely mis : No data availat : > 21 mm2/s (40	ble		
Explosive properties		Not applicable			
Oxidizing properties		: Does not susta	Does not sustain combustion.		
9.2 Other information No data available VOC		November 201 prevention and 0,71 % 1.151,37 g/l VOC content va surfaces: (Direc	xcluding water: (Directive 2010/75/EU of 24 0 on industrial emissions (integrated pollution control)) alid only for coating materials used on wood ctive 2010/75/EU of 24 November 2010 on sions (integrated pollution prevention and con-		

SECTION 10: Stability and reactivity

10.1 Reactivity

No decomposition if stored and applied as directed.

10.2 Chemical stability

No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

Hazardous reactions	:	Stable under recommended storage conditions.
		No hazards to be specially mentioned.

10.4 Conditions to avoid

10.5 Incompatible materials

Materials to avoid : Strong acids and strong bases

10.6 Hazardous decomposition products

No decomposition if stored and applied as directed.

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SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Not classified based on available information.

Components:

3-iodo-2-propynyl butylcarbamate:

Acute oral toxicity	:	LD50 Oral (Rat): >= > 300 - 500 mg/kg Method: OECD Test Guideline 423			
		Acute toxicity estimate: 500 mg/kg Method: Converted acute toxicity point estimate			
Acute inhalation toxicity	:	LC50 (Rat, male and female): 0,67 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: OECD Test Guideline 403			
Acute dermal toxicity	:	LD50 (Rat, male and female): > > 5.000 mg/kg Method: OECD Test Guideline 402 GLP: yes			
1,2-benzisothiazol-3(2H)-one:	:				
Acute oral toxicity	:	Assessment: The component/mixture is moderately toxic after single ingestion.			
2-Methyl-2H-isothiazol-3-one:					
Acute oral toxicity	:	Assessment: The component/mixture is toxic after single in- gestion.			
Acute inhalation toxicity	:	Assessment: The component/mixture is highly toxic after short term inhalation.			
Skin corrosion/irritation					
Net descritional base of an available	1	information			

Not classified based on available information.

Components:

3-iodo-2-propynyl butylcarbamate:

Species	:	Rabbit
Method	:	OECD Test Guideline 404
Result	:	No skin irritation

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

Result

: irritating

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2-Me Resu	thyl-2H-isothiazol-3		minutes to 1 hour of exposure					
	ous eye damage/eye lassified based on a							
<u>Com</u>	Components:							
3-iod	lo-2-propynyl butyl	carbamate:						
Spec Meth Resu	od	: Rabbit : OECD Test Guic : Risk of serious d						
1,2-b Resu	enzisothiazol-3(2H) Ilt	-one: : Corrosive						
2-Me Resu	thyl-2H-isothiazol-3 lt	B-one: : Irreversible effec	ts on the eye					
Resp	biratory or skin sen	sitisation						
-	Skin sensitisation Not classified based on available information.							
-	Respiratory sensitisation Not classified based on available information.							
<u>Com</u>	Components:							
3-iod	lo-2-propynyl butyl	carbamate:						
	sure routes	: Skin contact						
Spec Meth		: Guinea pig : OECD Test Guid	leline 406					
Resu			tisation by skin contact.					
1 2-h	1,2-benzisothiazol-3(2H)-one:							
Resu	• •		dence of skin sensitisation in humans					
2-Me	thyl-2H-isothiazol-3	B-one:						
Resu	•		skin sensitiser, sub-category 1A.					
	n cell mutagenicity lassified based on a	vailable information.						
<u>Com</u>	Components:							
3-iod	lo-2-propynyl butyl	carbamate:						
Geno	otoxicity in vitro	: Method: OECD T Result: negative	Fest Guideline 471					
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Method: OECD Test Guideline 476 Result: negative

Method: OECD Test Guideline 473 Result: negative

Carcinogenicity

Not classified based on available information.

Components:

isoproturon (ISO):

Carcinogenicity - Assess- : Limited evidence of carcinogenicity in animal studies ment

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.

Components:

3-iodo-2-propynyl butylcarbamate:

Target Organs Assessment larynx The substance or mixture is classified as specific target organ toxicant, repeated exposure, category 1.

Repeated dose toxicity

Components:

3-iodo-2-propynyl butylcarbamate:

Species NOAEL Application Route Test atmosphere Exposure time Number of exposures Method GLP	 Rat 1,16 mg/m3 Inhalation dust/mist 13 w 7 d/w OECD Test Guideline 413 yes Subchronic toxicity
Species NOAEL Application Route Exposure time Number of exposures	: Rat : 20 mg/kg : Oral : 2 yr : 7 d/w
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Aspiration toxicity

Not classified based on available information.

Further information

Product:

: No data available

SECTION 12: Ecological information

12.1 Toxicity

Components:

	isoproturon (ISO): M-Factor (Acute aquatic tox- icity)	:	10
	M-Factor (Chronic aquatic toxicity)	:	10
	Ecotoxicology Assessment		
	Acute aquatic toxicity	:	Very toxic to aquatic life.
	Chronic aquatic toxicity		
	Chronic aquatic toxicity	·	
			Very toxic to aquatic life with long lasting effects.
	3-iodo-2-propynyl butylcark	bama	ate:
	Toxicity to fish	:	LC50 (Oncorhynchus mykiss (rainbow trout)): 0,067 mg/l Exposure time: 96 h Method: OECD Test Guideline 203
	Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia (water flea)): >= 0,16 mg/l Exposure time: 48 h Method: OECD Test Guideline 202 GLP: yes
	Toxicity to algae	:	EC50 (Desmodesmus subspicatus (green algae)): >= 0,022 mg/l Exposure time: 72 h Method: OECD Test Guideline 201
			NOEC (Desmodesmus subspicatus (green algae)): 0,0046 mg/l Exposure time: 72 h Method: OECD Test Guideline 201
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M-Fa icity)	ctor (Acute aquatic tox	- :	10	
Toxic	ity to microorganisms	:	EC50 (Bacteri Exposure time	
Toxic icity)	ity to fish (Chronic tox-	• :		
	ity to daphnia and othe tic invertebrates (Chror icity)		NOEC: 0,05 m Exposure time Species: Daph	
M-Fa toxici	ctor (Chronic aquatic ty)	:	1	
	oxicology Assessment e aquatic toxicity		Very toxic to a	quatic life.
Chror	nic aquatic toxicity	:		
			Very toxic to a	quatic life with long lasting effects.
	thyl-2H-isothiazol-3-c ctor (Acute aquatic tox		10	
M-Fa toxici	ctor (Chronic aquatic ty)	:	1	
	oxicology Assessment e aquatic toxicity	nt :	Very toxic to a	quatic life.
Chror	nic aquatic toxicity	:		
			Toxic to aquat	c life with long lasting effects.
2.2 Persi	istence and degradat	oility		
Com	ponents:			
	o-2-propynyl butylca egradability	rbama :	ate: Concentration Result: Biodeg Biodegradatio	radable
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Exposure time: 1 d Method: OECD Test Guideline 302B

12.3 Bioaccumulative potential

Components:

isoproturon (ISO):

Partition coefficient: n- : log Pow: 2,5 octanol/water

3-iodo-2-propynyl butylcarbamate:

Partition coefficient: n- : log Pow: 2,8 octanol/water

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

Partition coefficient: n- : log Pow: 1,3 octanol/water

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 Other adverse effects

Product:

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

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13.1 Waste treatment methods

Product

The product should not be allowed to enter drains, water courses or the soil.

SECTION 14: Transport information

14.1 UN number

Not regulated as a dangerous good

14.2 UN proper shipping name

Not regulated as a dangerous good

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14.3 Transport hazard class(es)

Not regulated as a dangerous good

14.4 Packing group

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 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable for product as supplied.

SECTION 15: Regulatory information

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

Regulation (EC) No 649/2012 of the Europe ment and the Council concerning the export of dangerous chemicals		isoproturon (ISO)
REACH - Restrictions on the manufacture,	0	Conditions of restriction for the fol-
the market and use of certain dangerous su preparations and articles (Annex XVII)	bstances,	lowing entries should be considered: Number on list 3
Seveso III: Directive 2012/18/EU of the Euro	opean Parliamen	t and of the Council on the control of
major-accident hazards involving dangerous	substances.	
Not appli	cable	
emission Volatile o g/l	s (integrated poll	4 November 2010 on industrial ution prevention and control) ds (VOC) content: 0,71 %, 1.151,37 ater
		4 November 2010 on industrial

emissions (integrated pollution prevention and control) Volatile organic compounds (VOC) content: 0,71 %, 7,9 g/l VOC content valid only for coating materials used on wood surfaces

Other regulations:

Chemicals Act Environment Protection Act

Decree on waste

Decree on the management of packaging and packaging waste

Rules on the protection of workers from the risks related to exposure to chemical substances at work (Official Gazette of RS, no. 100/01, 39/05, 53/07, 102/10, 43/11 -- ZVZD-1, 38/15)

Rules on personal protective equipment used by workers at work

Take note of Directive 92/85/EEC regarding maternity protection or stricter national regulations, where applicable.

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15.2 Chemical safety assessment

SECTION 16: Other information

Full text of H-Statements

H301 H302 H311 H314 H315 H317 H318	:	Toxic if swallowed. Harmful if swallowed. Toxic in contact with skin. Causes severe skin burns and eye damage. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye damage.
H330 H331	÷	Fatal if inhaled. Toxic if inhaled.
H351 H372	:	Suspected of causing cancer. Causes damage to organs through prolonged or repeated exposure.
H373 H400	:	May cause damage to organs through prolonged or repeated exposure. Very toxic to aquatic life.
H410		Very toxic to aquatic life with long lasting effects.
Full text of other abbreviation	ons	
Acute Tox. Aquatic Acute Aquatic Chronic Carc. Eye Dam. Skin Corr. Skin Corr. Skin Irrit. Skin Sens. STOT RE SI OEL SI OEL / MV		Acute toxicity Short-term (acute) aquatic hazard Long-term (chronic) aquatic hazard Carcinogenicity Serious eye damage Skin corrosion Skin irritation Skin sensitisation Specific target organ toxicity - repeated exposure Slovenia. Chemical agents at work - Appendix 1: Occupational exposure limits Time Weighted Average
SI OEL / KTV	:	Short Term Exposure Limit

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical

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Substances in China: IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIOC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

Further information

Classification of the mixtur	e:	Classification procedure:
Aquatic Chronic 3	H412	Calculation method

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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