

Version 1.0	Revision Date: 22.11.2023	SDS Number: MAT000401676 IL/EN	Date of last issue: - Date of first issue: 22.11.2023

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

1.1 Product identifier Trade name	:	SPEKTRA Perfect white
Product code	:	40167604
1.2 Relevant identified uses of th	e s	ubstance or mixture and uses advised against
Use of the Sub- stance/Mixture	:	Building and construction work Professional and consumer use of coatings, Roller application or brushing, Non industrial spraying Coatings and paints, thinners, paint removers
1.3 Details of the supplier of the	e sa	fety data sheet
Company	:	Helios TBLUS d.o.o. Količevo 65 1230 Domžale Slovenia
Telephone Company	:	386 (1) 722 4383

Responsible/issuing person	: 386 (1) 722 4383
	productsafety@helios.si

1.4 Emergency telephone number

Ambulance (972) 101

Israel Poison Information Center +972 4 854 19 00

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required

Precautionary statements	:	P101 If medical advice is needed, have product container or
		label at hand.
		P102 Keep out of reach of children.



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Additional Labelling

EUH208 Contains 1,2-benzisothiazol-3(2H)-one, reaction mass of: 5-chloro-2- methyl-4isothiazolin-3-one and 2-methyl-2H -isothiazol-3- one (3:1), tetrahydro-1,3,4,6tetrakis(hydroxymethyl)imidazo[4,5-d]imidazole-2,5(1H,3H)-dione. May produce an allergic reaction.

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.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Chemical nature	:	Waterborne paint
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Components

Chemical name	CAS-No. EC-No. Index-No.	Classification	Concentration (% w/w)
	Registration number		
tetrahydro-1,3,4,6- tetrakis(hydroxymethyl)imidazo[4,5-	5395-50-6	Skin Sens. 1; H317	>= 0.1 - < 1
d]imidazole-2,5(1H,3H)-dione	226-408-0		
1,2-benzisothiazol-3(2H)-one	2634-33-5	Acute Tox. 4; H302 Skin Irrit. 2; H315	>= 0.0025 - < 0.025
	220-120-9 613-088-00-6 01-2120761540-60	Eye Dam. 1; H318 Skin Sens. 1; H317 Aquatic Acute 1;	
		H400 Aquatic Chronic 2; H411	
mixture of 5-chloro-2-methyl-2H- isothiazol-3-one and 2-methyl-2H- isothiazol-3-one (3:1)	55965-84-9	Acute Tox. 3; H301 Acute Tox. 2; H330 Acute Tox. 2; H310	>= 0.0002 - < 0.0015
	613-167-00-5 01-2120764691-48	Skin Corr. 1C; H314	
		Eye Dam. 1; H318 Aquatic Acute 1; H400	
		Aquatic Chronic 1; H410	
		M-Factor (Acute aquatic toxicity):	
		100 M-Factor (Chronic	
		aquatic toxicity): 100	



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SECTION 4: First aid measures

4.1 Description of first aid measures

General advice	5	Move out of dangerous area. Show this safety data sheet to the doctor in attendance. Do not leave the victim unattended.
If inhaled	6	f unconscious, place in recovery position and seek medical advice. f symptoms persist, call a physician.
In case of skin contact	: 1	f on skin, rinse well with water.
In case of eye contact	F F F	Flush eyes with water as a precaution. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing. f eye irritation persists, consult a specialist.
If swallowed] 1	Keep respiratory tract clear. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. f 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 Unsuitable extinguishing media	:	High volume water jet
5.2	Special hazards arising from	the	e substance or mixture
	Specific hazards during fire- fighting	:	Do not allow run-off from fire fighting to enter drains or water courses.
	Hazardous combustion prod- ucts	:	No hazardous combustion products are known
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.



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				nd contaminated fire extinguishing water must n accordance with local regulations.
SECTION	N 6: Accidental re	lease	measures	
6.1 Perso	nal precautions, pr	otectiv	e equipment and	l emergency procedures
Perso	onal precautions	:	Use personal protective equipment. Do not flush into surface water or sanitary sewer system. Prevent further leakage or spillage if safe to do so.	
6.2 Enviro	onmental precautio	ns		
Envir	onmental precaution	IS :	Prevent further	from entering drains. leakage or spillage if safe to do so. Intaminates rivers and lakes or drains inform prities.
6.3 Metho	ods and material for	r contai	inment and clear	ning up
Meth	ods for cleaning up	:	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal.	
6.4 Refere	ence to other section	ons		
See section	ons: 7, 8, 11, 12 and	13.		
SECTION	N 7: Handling and	stora	ge	
7.1 Preca	utions for safe han	dling		
	e on safe handling	:	Avoid contact w For personal pro Smoking, eating plication area.	vapours/dust. - obtain special instructions before use. ith skin and eyes. otection see section 8. g and drinking should be prohibited in the ap-
Advic	e on protection agai	nst :	allergies, chroni be employed in used.	tible to skin sensitisation problems or asthma, c or recurrent respiratory disease should not any process in which this mixture is being es for preventive fire protection.
	nd explosion			

Hygiene measures : Wash hands before breaks and at the end of workday.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Electrical installations / working materials must comply with the technological



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			safety standards.	
-	Further information on ige conditions	stor- :	see user defined fr	ree text
A	Advice on common sto	orage :	No materials to be	especially mentioned.
-	Further information on stor- : age stability		No decomposition	if stored and applied as directed.
7.3 Sp	pecific end use(s)			
S	Specific use(s)	:	For further informa sheet.	tion, refer to the product technical data
			Consult the technic stance/mixture.	cal guidelines for the use of this sub-

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
silicic acid, alumi- num sodium salt	1344-00-9	TWA (Respirable particulate mat- ter)	1 mg/m3 (Aluminium)	ACGIH

Derived No Effect Level (DNEL)

according to Regulation (EC) No. 1907/2006:

Substance name	End Use	Exposure routes	Potential health ef- fects	Value
Calcium carbonate	Workers	Inhalation	Long-term local ef- fects	4.26 mg/m3
	Consumers	Inhalation	Long-term local ef- fects	1.06 mg/m3
silicic acid, aluminum sodium salt	Workers	Inhalation	Long-term local ef- fects	4 mg/m3
1,2-benzisothiazol- 3(2H)-one	Workers	Inhalation	Long-term systemic effects	6.81 mg/m3
	Workers	Dermal	Long-term systemic effects	0.966 mg/kg bw/day
	Consumers	Inhalation	Long-term systemic effects	1.2 mg/m3
	Consumers	Dermal	Long-term systemic effects	0.345 mg/kg bw/day
reaction mass of: 5- chloro-2- methyl-4- isothiazolin-3-one and 2-methyl-2H - isothiazol-3- one (3:1)	Consumers	Inhalation	Acute local effects	0.04 mg/m3



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		Workers	Inhalation	Long-term local ef- fects	0.02 mg/m3	
		Workers	Inhalation	Acute local effects	0.04 mg/m3	
		Consumers	Inhalation	Long-term local ef- fects	0.02 mg/m3	
		Consumers	Oral	Long-term systemic effects	0.09 mg/kg bw/day	
		Consumers	Oral	Acute systemic ef- fects	0.11 mg/kg bw/day	

Predicted No Effect Concentration (PNEC)

according to Regulation (EC) No. 1907/2006:

Substance name	Environmental Compartment	Value
Calcium carbonate	Sewage treatment plant	100 mg/l
1,2-benzisothiazol-3(2H)-one	Fresh water	0.00403 mg/l
	Intermittent use/release	0.0011 mg/l
	Marine water	0.000403 mg/l
	Sewage treatment plant	1.03 mg/l
	Fresh water sediment	0.0499 mg/kg dry weight (d.w.)
	Marine sediment	0.00499 mg/kg dry weight (d.w.)
	Soil	3 mg/kg dry weight (d.w.)
reaction mass of: 5-chloro-2- methyl-4-isothiazolin-3-one and 2-methyl-2H -isothiazol-3- one (3:1)	Soil	0.01 mg/kg dry weight (d.w.)
	Marine water	0.00339 mg/l
	Fresh water	0.00339 mg/l
	Marine sediment	0.027 mg/kg dry weight (d.w.)
	Fresh water sediment	0.027 mg/kg dry weight (d.w.)
	Sewage treatment plant	0.23 mg/l
	Intermittent use/release	0.00339 mg/l

8.2 Exposure controls

Personal protective equipment					
Eye/face protection :	Equipment should conform to EN 166 Eye wash bottle with pure water Tightly fitting safety goggles				
Hand protection					
Gloves :	Nitrile rubber (> 0,1 mm; < 60 min); DIN EN374				
Remarks :	The suitability for a specific workplace should be discussed with the producers of the protective gloves.				



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Skin a	nd body protection	breakthrough tim gloves. Also take tions under whic cuts, abrasion, a : Impervious cloth Choose body pre	the instructions regarding permeability and ne which are provided by the supplier of the e into consideration the specific local condi- h the product is used, such as the danger of and the contact time. ing ptection according to the amount and concen- ngerous substance at the work place.
Respir	ratory protection		piratory protective equipment normally re-

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance Colour Odour Odour Threshold	:	viscous liquid white No information available. No data available
рН	:	No data available
Melting point/freezing point	:	0.0 °C (calculation method (principal components, lowest value))
Boiling point/boiling range	:	100 °C (calculation method (principal components, lowest value)) value))
Flash point	:	Not applicable
Flammability (solid, gas)		Not applicable
Vapour pressure	:	23 hPa (calculation method (principal components, highest value)) (20 °C)
Relative density	:	1.45 (calculation method (principal components, highest val- ue))
Density	:	1.58 - 1.62 g/cm3
Solubility(ies) Water solubility Solubility in other solvents	:	completely miscible No data available
Partition coefficient: n- octanol/water Viscosity	:	No data available
Viscosity, dynamic	:	No data available



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		nformation a available	: (Directive 2004/4 1 g/l	2/EC)
SEC	CTION	10: Stability and	I reactivity	
10.2	Chemi	composition if store ical stability	d and applied as directed. d and applied as directed.	
		pility of hazardous		
		lous reactions		n if stored and applied as directed.
		tions to avoid	: No data available	
	Conditi	ons to avoid	. NO data avaliable	
10.5	Incom	patible materials		
	Materia	als to avoid	: Incompatible with	strong acids and bases.
	No dec	•	d and applied as directed.	
SEC	CTION	11: Toxicologica	al information	
11.1	Inform	ation on toxicolo	gical effects	
	Acute	toxicity		
		•	vailable information.	
	Comp	onents:		
	1,2-be	nzisothiazol-3(2H)	-one:	
	Acute	oral toxicity	: Assessment: The single ingestion.	component/mixture is moderately toxic after
		orrosion/irritation	vailable information.	
	Produ	<u>ct:</u>		
	Remar		: May cause skin irr	itation and/or dermatitis.
	<u>Comp</u>	onents:		
	1,2-be	nzisothiazol-3(2H)	-one:	
	Result		: irritating	



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	ous eye damage/ey lassified based on a			
<u>Prod</u> Rema		: Vapours may and the skin.	cause irritation to the eyes, respiratory system	
Com	ponents:			
1,2-b	enzisothiazol-3(2H)-one:		
Resu	lt	: Corrosive		
Resp	iratory or skin sen	sitisation		
Skin	sensitisation			
Not c	lassified based on a	vailable information.		
Respiratory sensitisation Not classified based on available information.				
<u>Prod</u> Rema		: Causes sensi	tisation.	
Com	ponents:			
tetrahydro-1,3,4,6-tetrakis(hydroxymethyl)imidazo[4			idazo[4,5-d]imidazole-2,5(1H,3H)-dione:	
Resu	-		evidence of skin sensitisation in humans	
1,2-b	enzisothiazol-3(2H)-one:		
Resu	lt	: Probability or	evidence of skin sensitisation in humans	
	n cell mutagenicity lassified based on a	vailable information.		
	inogenicity lassified based on a	vailable information.		
-	oductive toxicity lassified based on a	vailable information.		
	F - single exposure lassified based on a	vailable information.		
	F - repeated expos lassified based on a	ure wailable information.		
-	r ation toxicity lassified based on a	vailable information.		
NOT C				
	ner information			
	uct:			



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SECTION 12: Ecological information

12.1 Toxicity

tetrahydro-1,3,4,6-tetrakis(h Toxicity to fish	ydr :	oxymethyl)imidazo[4,5-d]imidazole-2,5(1H,3H)-dione: LC50 (Fish): >= 158 mg/l
		Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	:	LC50 (Daphnia (water flea)): > 17.8 mg/l Exposure time: 48 h
Toxicity to algae/aquatic plants	:	LC50 (algae): >= 8.5 mg/l Exposure time: 72 h
1,2-benzisothiazol-3(2H)-one	e:	
Ecotoxicology Assessment		
Chronic aquatic toxicity	:	Toxic to aquatic life with long lasting effects.
reaction mass of: 5-chloro-2 one (3:1):	2- m	nethyl-4-isothiazolin-3-one and 2-methyl-2H -isothiazol-3-
Toxicity to fish	:	LC50 (Salvelinus namaycush (lake trout)): >= 10.85 mg/l Exposure time: 96 h
Toxicity to algae/aquatic plants	:	LC50 (algae): >= 0.82 mg/l Exposure time: 48 h
		LC50 (algae): 0.018 mg/l Exposure time: 72 h
M-Factor (Acute aquatic tox- icity)	:	100
M-Factor (Chronic aquatic toxicity)	:	100
12.2 Persistence and degradabil No data available	ity	
12.3 Bioaccumulative potential		
Components:		
1,2-benzisothiazol-3(2H)-one	e:	
Partition coefficient: n- octanol/water	:	log Pow: 1.3
12.4 Mobility in soil		
No data available		



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

SECTION 13: Disposal considerations

13.1 Waste treatment methods	
Product	 The product should not be allowed to enter drains, water courses or the soil. Do not contaminate ponds, waterways or ditches with chemical or used container. Send to a licensed waste management company.
Contaminated packaging	: Empty remaining contents. Dispose of as unused product. Do not re-use empty containers.

SECTION 14: Transport information

14.1 UN number

ADN	:	Not regulated as a dangerous good
ADR	:	Not regulated as a dangerous good
RID	:	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		
ADN	:	Not regulated as a dangerous good
ADR	:	Not regulated as a dangerous good

SAFETY DATA SHEET

SPEKTRA Perfect white



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RID		: Not regulated	as a dangerous good
IMDG	6	-	as a dangerous good
ΙΑΤΑ		: Not regulated	as a dangerous good
14.3 Trans	sport hazard class	es)	
ADN		: Not regulated	as a dangerous good
ADR		: Not regulated	as a dangerous good
RID		: Not regulated	as a dangerous good
IMDG	6	: Not regulated	as a dangerous good
ΙΑΤΑ		: Not regulated	as a dangerous good
14.4 Pack	ing group		
ADN		: Not regulated	as a dangerous good
ADR		: Not regulated	as a dangerous good
RID		: Not regulated	as a dangerous good
IMDG	6	: Not regulated	as a dangerous good
ΙΑΤΑ	(Cargo)	: Not regulated	as a dangerous good
ΙΑΤΑ	(Passenger)	: Not regulated	as a dangerous good
	ronmental hazards egulated as a dange	rous good	
-	ial precautions for pplicable	user	
	sport in bulk accor pplicable for produc	-	rpol and the IBC Code
SECTION	N 15: Regulatory	nformation	
15.1 Safet ture	ty, health and envi	onmental regulations	/legislation specific for the substance or mix
Volati	ile organic compoun		/42/EC c compounds (VOC) content: 1 g/l
	nical safety assess al Safety Assessme	ment It is not required for this	s substance.

SECTION 16: Other information

Full text of H-Statements

H301	: Toxic if swallowed.
H302	: Harmful if swallowed.



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H310 H314 H315 H317 H318 H330 H400 H410 H411		: Causes sev : Causes skin : May cause a : Causes seri : Fatal if inhal : Very toxic to : Very toxic to	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. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects. Toxic to aquatic life with long lasting effects.	
Full to	ext of other abbrev	viations		
Aquat Eye D Skin C Skin I Skin S ACGI	ic Acute ic Chronic Dam. Corr. rrit. Sens.	: Short-term (: Long-term (: Serious eye : Skin corrosi : Skin irritation : Skin sensitis : USA. ACGI	Acute toxicity Short-term (acute) aquatic hazard Long-term (chronic) aquatic hazard Serious eye damage Skin corrosion Skin irritation Skin sensitisation USA. ACGIH Threshold Limit Values (TLV) 8-hour, time-weighted average	

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; 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 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; TECI -Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative



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Further information

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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