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

1.1 Product identifier

Trade name : SPEKTRA LEVEL TERMO

Product code : 40169806

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

Use of the Sub- : Building and construction work

stance/Mixture 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 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

Call 999 (or 112) for emergency medical attention

professionals only: National Poison Information Service (NPIS) 24h national number 0844 892

0111

consumer: National Health Service (NHS) 24h national number, England & Scotland 111

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567)

Not a hazardous substance or mixture.

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2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567)

Not a hazardous substance or mixture.

Precautionary statements : P101 If medical advice is needed, have product container or

label at hand.

P102 Keep out of reach of children.

Additional Labelling

EUH208 Contains 1,2-benzisothiazol-3(2H)-one, reaction mass of: 5-chloro-2- methyl-4-

isothiazolin-3-one and 2-methyl-2H -isothiazol-3- one (3:1).

May produce an allergic reaction.

EUH211 Warning! Hazardous respirable droplets may be formed when sprayed. Do not

breathe spray or mist.

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

Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
1,2-benzisothiazol-3(2H)-one	55965-84-9 220-120-9 613-088-00-6 01-2120761540-60	Acute Tox. 4; H302 Skin Irrit. 2; H315 Eye Dam. 1; H318 Skin Sens. 1; H317 Aquatic Acute 1; H400 Aquatic Chronic 2; H411 ———— specific concentration limit Skin Sens. 1; H317 >= 0,05 %	>= 0,025 - < 0,05
mixture of 5-chloro-2-methyl-2H-		Acute Tox. 3; H301	>= 0,0002 - <

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isothiazol-3-one and 2-methyl-2H-		Acute Tox. 2; H330	0,0015
isothiazol-3-one (3:1)	613-167-00-5 01-2120764691-48	Acute Tox. 2; H310 Skin Corr. 1C;	
		H314	
		Eye Dam. 1; H318 Skin Sens. 1A;	
		H317	
		Aquatic Acute 1;	
		H400	
		Aquatic Chronic 1;	
		H410 EUH071	
		EONO71	
		M-Factor (Acute	
		aquatic toxicity):	
		100100	
		M-Factor (Chronic	
		aquatic toxicity): 100100	
		specific concentra- tion limit	
		Skin Corr. 1C;	
		H314	
		>= 0,6 %	
		Skin Irrit. 2; H315	
		0,06 - < 0,6 %	
		Eye Irrit. 2; H319 0,06 - < 0,6 %	
		Skin Sens. 1A;	
		H317	
		>= 0,0015 %	
		Eye Dam. 1; H318	
		>= 0,6 %	
Substances with a workplace exposutalc	re limit :		>= 1 - < 10
laic	238-877-9		<i>></i> = 1 - < 10
	01-2120140278-58		

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice : Do not leave the victim unattended.

If inhaled : If breathed in, move person into fresh air.

In case of skin contact : In case of contact, immediately flush skin with plenty of water.

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Remove contaminated clothing and shoes.

In case of eye contact IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue

rinsing.

If eye irritation persists: Get medical advice/ attention.

Never give anything by mouth to an unconscious person. If swallowed

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

Suitable extinguishing media : Use extinguishing measures that are appropriate to local cir-

cumstances and the surrounding environment.

Use water spray, alcohol-resistant foam, dry chemical or car-

bon dioxide.

5.2 Special hazards arising from the substance or mixture

ucts

Hazardous combustion prod- : 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-

essarv.

Further information The product itself does not burn.

Standard procedure for chemical fires.

Use a water spray to cool fully closed containers.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions Avoid contact with skin and eyes.

Do not flush into surface water or sanitary sewer system. Prevent further leakage or spillage if safe to do so.

6.2 Environmental precautions

Environmental precautions Prevent product from entering drains.

If the product contaminates rivers and lakes or drains inform

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respective authorities.

6.3 Methods and material for containment and cleaning up

Methods 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 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 ap-

plication area.

Advice on protection against :

fire and explosion

Normal measures for preventive fire protection.

Hygiene measures : General industrial hygiene practice.

7.2 Conditions for safe storage, including 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 stand-

ards.

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.

Consult the technical guidelines for the use of this sub-

stance/mixture.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Derived No Effect Level (DNEL):

Substance name	End Use	Exposure routes	Potential health effects	Value
titanium dioxide	Workers	Inhalation	Long-term local ef- fects	10 mg/m3
	Consumers	Oral	Long-term systemic	700 mg/kg

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		1	effects	bw/day
Calcium carbonate	Workers	Inhalation	Long-term local ef- fects	4,26 mg/m3
	Consumers	Inhalation	Long-term local ef- fects	1,06 mg/m3
Talc	Workers	Inhalation	Acute systemic ef- fects	2,16 mg/m3
	Workers	Inhalation	Acute local effects	3,6 mg/m3
	Consumers	Inhalation	Acute systemic effects	1,08 mg/m3
	Consumers	Inhalation	Acute local effects	1,8 mg/m3
	Consumers	Dermal	Long-term local effects	2,27 mg/cm2
	Workers	Dermal	Long-term local effects	4,54 mg/cm2
	Consumers	Oral	Long-term systemic effects	160 mg/kg bw/day
	Consumers	Oral	Acute systemic effects	160 mg/kg bw/day
	Workers	Dermal	Long-term systemic effects	43,2 mg/kg bw/day
	Consumers	Dermal	Long-term systemic effects	21,6 mg/kg bw/day
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
	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 effects	0,02 mg/m3
	Consumers	Oral	Long-term systemic effects	0,09 mg/kg bw/day
	Consumers	Oral	Acute systemic effects	0,11 mg/kg bw/day

Predicted No Effect Concentration (PNEC):

Substance name	Environmental Compartment	Value
titanium dioxide	Soil	100 mg/kg dry
		weight (d.w.)
	Marine water	0,0184 mg/l

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	Fresh water	0,184 mg/l
	Marine sediment	100 mg/kg dry
		weight (d.w.)
	Fresh water sediment	1000 mg/kg dry
		weight (d.w.)
	Sewage treatment plant	100 mg/l
	Intermittent use/release	0,193 mg/l
Calcium carbonate	Sewage treatment plant	100 mg/l
Talc	Marine water	141,26 mg/l
	Fresh water	597,97 mg/l
	Marine sediment	3,13 mg/kg dry
		weight (d.w.)
	Fresh water sediment	31,33 mg/kg dry
		weight (d.w.)
	Intermittent use/release	597,97 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-	Soil	0,01 mg/kg dry
methyl-4-isothiazolin-3-one and		weight (d.w.)
2-methyl-2H -isothiazol-3- one		
(3:1)		
	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 protection : Goggles

Hand protection

Material : Nitrile rubber
Glove thickness : 0,2 mm
Protective index : Class 3

Remarks : Wear suitable gloves.
Skin and body protection : Long sleeved clothing

Choose body protection according to the amount and concen-

tration of the dangerous substance at the work place.

Respiratory protection : No personal respiratory protective equipment normally re-

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quired.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance : paste

Colour : in accordance with the product description

Odour : No information available.

Odour Threshold : No data available

pH : No data available

Melting point/freezing point : 0,0 °C (calculation method (principal components, lowest val-

ue))

Boiling point/boiling range : 100 °C (calculation method (principal components, lowest

value))

Flash point : Not applicable

Flammability (solid, gas) : Not applicable

Density : 0,42 - 0,46 g/cm3

Solubility(ies)

Water solubility : completely miscible Solubility in other solvents : No data available

Partition coefficient: n-

: No data available

octanol/water Viscosity

Viscosity, kinematic : > 20,5 mm2/s (40 °C)

9.2 Other information

No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

No decomposition if stored and applied as directed.

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

Hazardous reactions : No data available

10.4 Conditions to avoid

Conditions to avoid : Protect from frost, heat and sunlight.

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10.5 Incompatible materials

Materials to avoid : Incompatible with oxidizing agents.

Incompatible with strong acids and bases.

10.6 Hazardous decomposition products

No decomposition if stored and applied as directed.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Not classified based on available information.

Components:

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

Acute oral toxicity : Assessment: The component/mixture is moderately toxic after

single ingestion.

Skin corrosion/irritation

Not classified based on available information.

Components:

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

Result : irritating

Serious eye damage/eye irritation

Not classified based on available information.

Components:

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

Result : Corrosive

Respiratory or skin sensitisation

Skin sensitisation

Not classified based on available information.

Respiratory sensitisation

Not classified based on available information.

Components:

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

Result : Probability or evidence of skin sensitisation in humans

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Germ cell mutagenicity

Not classified based on available information.

Carcinogenicity

Not classified based on available information.

Reproductive toxicity

Not classified based on available information.

STOT - single exposure

Not classified based on available information.

STOT - repeated exposure

Not classified based on available information.

Aspiration toxicity

Not classified based on available information.

Further information

Product:

Remarks No data available

SECTION 12: Ecological information

12.1 Toxicity

Components:

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

Ecotoxicology Assessment

Chronic aquatic toxicity : Toxic to aquatic life with long lasting effects.

reaction mass of: 5-chloro-2- methyl-4-isothiazolin-3-one and 2-methyl-2H -isothiazol-3-

one (3:1):

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

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12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

Components:

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:

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.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product : Do not release the product to the aquatic environment

Contaminated packaging : Empty containers should be taken to an approved waste han-

dling site for recycling or disposal.

Waste Code : 08 01 20, aqueous suspensions containing paint or varnish

other than those mentioned in 08 01 19

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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

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 mix-

Relevant EU provisions transposed through retained EU law

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances,

preparations and articles (Annex XVII)

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances,

preparations and articles (Annex XVII)

REACH - Candidate List of Substances of Very High

Concern for Authorisation (Article 59).

Regulation (EC) No 1005/2009 on substances that de-

plete the ozone layer

Regulation (EU) 2019/1021 on persistent organic pollu-

UK REACH List of substances subject to authorisation

(Annex XIV)

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving

dangerous substances.

Seveso III Directive (2012/18/EU) implemented by Control of Major Accident Hazards Regula-

Not applicable

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tions 2015 (COMAH)

15.2 Chemical safety assessment

A Chemical Safety Assessment is not required for this substance.

SECTION 16: Other information

Full text of H-Statements

H301 : Toxic if swallowed. H302 : Harmful if swallowed. H310 : Fatal 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.

H330 : Fatal if inhaled.

H400 : Very toxic to aquatic life.

H410 : Very toxic to aquatic life with long lasting effects.H411 : Toxic to aquatic life with long lasting effects.

Full text of other abbreviations

Acute Tox. : Acute toxicity

Aquatic Acute : Short-term (acute) aquatic hazard
Aquatic Chronic : Long-term (chronic) aquatic hazard

Eye Dam. : Serious eye damage Skin Corr. : Skin corrosion Skin Irrit. : Skin irritation Skin Sens. : Skin sensitisation

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 sub-

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stance; 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

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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