SPEKTRA Stain Block Grund

Version	Revision Date:	SDS Number:	Date of last issue: 14.03.2023
2.0	03.09.2026	MAT000401770 GB/EN	Date of first issue: 13.03.2023

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

1.1 Product identifier

Trade name : SPEKTRA Stain Block Grund

Product code : 40177004

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

Use of the Substance/Mixture : SU19: Building and construction work
PROC10, PROC11: Roller application or brushing, Non industrial spraying
PC9a: Coatings and paints, thinners, paint removers

Recommended restrictions on use : Professional and consumer use of coatings

1.3 Details of the supplier of the safety data sheet

Company : KANSAI HELIOS Slovenija 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@kansai-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

Access code: 13586 +44 20 3514 7487

Access code: 13586 +44 800 680 0425

Access code: 13586 +44 808 189 0979

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.

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)

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.

Additional Labelling

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	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	>= 0,025 - < 0,036

			Aquatic Chronic 2; H411 _____ M-Factor (Acute aquatic toxicity): 1 M-Factor (Chronic aquatic toxicity): 1 _____ specific concentration limit Skin Sens. 1A; H317 >= 0,036 %	
	mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	55965-84-9 613-167-00-5 01-2120764691-48	Acute Tox. 3; H301 Acute Tox. 2; H330 Acute Tox. 2; H310 Skin Corr. 1C; H314 Eye Dam. 1; H318 Skin Sens. 1A; H317 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 _____ M-Factor (Acute aquatic toxicity): 100 M-Factor (Chronic aquatic toxicity): 100 _____ specific concentration limit Eye Dam. 1; H318 >= 0,6 % Skin Sens. 1A; H317 >= 0,0015 % Eye Irrit. 2; H319 0,06 - < 0,6 % Skin Irrit. 2; H315 0,06 - < 0,6 % Skin Corr. 1C; H314 >= 0,6 %	>= 0,0002 - < 0,0015

Substances with a workplace exposure limit :			
calcium carbonate	471-34-1 207-439-9 01-2119486795-18		>= 1 - < 10
talc	14807-96-6 238-877-9 01-2120140278-58		>= 1 - < 10

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 skin contact : In case of contact, immediately flush skin with plenty of water.
Remove contaminated clothing and shoes.

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

Symptoms : No symptoms known or expected.

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 circumstances and the surrounding environment.
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products : No hazardous combustion products are known

5.3 Advice for firefighters

Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.

Further information : Standard procedure for chemical fires.
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

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 : If the product contaminates rivers and lakes or drains inform respective authorities.

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

See sections: 7, 8, 11, 12 and 13.

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 : 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 : Electrical installations / working materials must comply with the technological safety standards.

Advice on common storage : No materials to be especially mentioned.

Further information on storage 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 substance/mixture.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
Calcium carbonate	471-34-1	TWA (Respirable dust)	4 mg/m3	GB EH40
		TWA (inhalable dust)	10 mg/m3	GB EH40
Talc	14807-96-6	TWA (Respirable dust)	1 mg/m3	GB EH40
		TWA (Respirable dust)	0,1 mg/m3	2004/37/EC
	Further information: Carcinogens or mutagens			

Derived No Effect Level (DNEL)

Substance name	End Use	Exposure routes	Potential health effects	Value
Calcium carbonate	Workers	Inhalation	Long-term local effects	4,26 mg/m3
	Consumers	Inhalation	Long-term local effects	1,06 mg/m3
Talc	Workers	Inhalation	Acute systemic effects	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 effects	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
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-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

Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection : Equipment should conform to EN 166

Hand protection

Gloves : Nitrile rubber (> 0,1 mm; < 60 min); ISO EN374
butyl-rubber (> 0,6 mm; < 240 min); ISO EN374
Viton® (> 0,6 mm; < 240 min); ISO EN374
PE laminate (> 0,1 mm; < 240 min); ISO EN374

Remarks : Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.

Skin and body protection	:	Protective suit
Respiratory protection	:	No personal respiratory protective equipment normally required.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	:	liquid
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 value))
Boiling point/boiling range	:	100 °C (calculation method (principal components, lowest value))
Flash point	:	Not applicable
Flammability	:	Not applicable
Vapour pressure	:	23 hPa (calculation method (principal components, highest value)) (20 °C)
Density	:	1,06 g/cm3
Solubility(ies)		
Water solubility	:	completely miscible
Solubility in other solvents	:	No data available
Partition coefficient: n-octanol/water	:	No data available
Viscosity		
Viscosity, kinematic	:	> 20,5 mm2/s (40 °C)

9.2 Other information

No data available

VOC	:	(Directive 2004/42/EC) 10 g/l

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

Conditions to avoid : No data available

10.5 Incompatible materials

Materials to avoid : Not applicable

10.6 Hazardous decomposition products

No hazardous decomposition products are known.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Not classified due to lack of data.

Components:

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

Acute oral toxicity : Acute toxicity estimate: 450 mg/kg
Method: Acute toxicity estimate according to Regulation (EC) No. 1272/2008

LD50 (Rat): 490 mg/kg
Method: OECD Test Guideline 401
The test was conducted equivalent or similar to guideline

Acute inhalation toxicity : Acute toxicity estimate: 0,21 mg/l
Test atmosphere: dust/mist
Method: Acute toxicity estimate according to Regulation (EC) No. 1272/2008

Acute dermal toxicity : LD50 (Rat): > 2.000 mg/kg
Method: OECD Test Guideline 402

The test was conducted according to guideline

reaction mass of: 5-chloro-2- methyl-4-isothiazolin-3-one and 2-methyl-2H -isothiazol-3-one (3:1):

Acute oral toxicity : LD50 (Rat): 66 mg/kg
Method: OECD Test Guideline 401
The test was conducted according to guideline

Acute inhalation toxicity : Assessment: Corrosive to the respiratory tract.

LC50 (Rat): 0,171 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Method: OECD Test Guideline 403
The test was conducted according to guideline

Acute dermal toxicity : LD50 (Rat): > 1.008 mg/kg
Method: OECD Test Guideline 402
The test was conducted according to guideline

Calcium carbonate:

Acute oral toxicity : LD50 (Rat, female): > 2.000 mg/kg
Method: OECD Test Guideline 420
The test was conducted according to guideline

Acute dermal toxicity : LD50 (Rat): > 2.000 mg/kg
Method: OECD Test Guideline 402
The test was conducted according to guideline

Talc:

Acute oral toxicity : LD50 (Rat, male): > 5.000 mg/kg
Method: OECD Test Guideline 423
The test was conducted according to guideline

Acute dermal toxicity : LD50 (Rat): > 2.000 mg/kg
Method: OECD Test Guideline 402
The test was conducted according to guideline

Skin corrosion/irritation

Not classified due to lack of data.

Components:

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

Result : irritating

reaction mass of: 5-chloro-2- methyl-4-isothiazolin-3-one and 2-methyl-2H -isothiazol-3-one (3:1):

Species	:	Rabbit
Method	:	OECD Test Guideline 404
Result	:	Corrosive after 1 to 4 hours of exposure
Remarks	:	The test was conducted according to guideline

Calcium carbonate:

Species	:	Rabbit
Method	:	OECD Test Guideline 404
Result	:	No skin irritation
Remarks	:	The test was conducted according to guideline

Talc:

Species	:	reconstructed human epidermis (RhE)
Result	:	No skin irritation

Serious eye damage/eye irritation

Not classified due to lack of data.

Components:

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

Result	:	Corrosive

reaction mass of: 5-chloro-2- methyl-4-isothiazolin-3-one and 2-methyl-2H -isothiazol-3-one (3:1):

Species	:	Rabbit
Result	:	Irreversible effects on the eye

Calcium carbonate:

Species	:	Rabbit
Method	:	OECD Test Guideline 405
Result	:	No eye irritation
Remarks	:	The test was conducted according to guideline

Talc:

Species	:	Rabbit
Method	:	OECD Test Guideline 405
Result	:	No eye irritation
Remarks	:	The test was conducted according to guideline

Respiratory or skin sensitisation

Skin sensitisation

Not classified due to lack of data.

Respiratory sensitisation

Not classified due to lack of data.

Components:

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

Result	:	Probability or evidence of skin sensitisation in humans

reaction mass of: 5-chloro-2- methyl-4-isothiazolin-3-one and 2-methyl-2H -isothiazol-3-one (3:1):

Assessment	:	Probability or evidence of high skin sensitisation rate in humans
Test Type	:	Maximisation Test
Exposure routes	:	Skin contact
Species	:	Guinea pig
Method	:	OECD Test Guideline 406
Result	:	positive
Remarks	:	The test was conducted according to guideline
Assessment	:	Not classified due to data which are conclusive although insufficient for classification.

Calcium carbonate:

Assessment	:	Not classified due to data which are conclusive although insufficient for classification.
Test Type	:	Local lymph node assay (LLNA)
Exposure routes	:	Skin contact
Species	:	Mouse
Method	:	OECD Test Guideline 429
Result	:	negative
Remarks	:	The test was conducted according to guideline
Assessment	:	Not classified due to lack of data.

Talc:

Assessment	:	Not classified due to data which are conclusive although insufficient for classification.
Test Type	:	Maximisation Test

Exposure routes	:	Skin contact
Species	:	Guinea pig
Method	:	OECD Test Guideline 406
Result	:	negative
Remarks	:	The test was conducted according to guideline
Assessment	:	Not classified due to data which are conclusive although insufficient for classification.
Exposure routes	:	Inhalation
Species	:	Rat
Result	:	negative
Remarks	:	No test guideline followed

Germ cell mutagenicity

Not classified due to lack of data.

Components:

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

Genotoxicity in vitro	:	Test Type: Chromosome aberration test in vitro Method: OECD Test Guideline 473 Result: positive The test was conducted according to guideline Test Type: In vitro mammalian cell gene mutation test Method: OECD Test Guideline 476 Result: negative The test was conducted according to guideline Test Type: Bacterial reverse mutation assay (AMES) Method: OECD Test Guideline 471 Result: negative The test was conducted according to guideline
Genotoxicity in vivo	:	Test Type: unscheduled DNA synthesis assay Species: Rat Application Route: oral (gavage) Method: OECD Test Guideline 486 Result: negative The test was conducted according to guideline
Germ cell mutagenicity- Assessment	:	Not classified due to data which are conclusive although insufficient for classification.

reaction mass of: 5-chloro-2- methyl-4-isothiazolin-3-one and 2-methyl-2H -isothiazol-3-one (3:1):

Genotoxicity in vitro	:	Test Type: Chromosome aberration test in vitro Method: EPA OPP 84-2 Result: positive The test was conducted according to guideline Test Type: In vitro mammalian cell gene mutation test Method: OECD Test Guideline 476 Result: positive The test was conducted according to guideline Test Type: Bacterial reverse mutation assay (AMES) Method: EPA OPP 84-2 Result: positive The test was conducted according to guideline
Genotoxicity in vivo	:	Test Type: Drosophila SLRL assay Species: Drosophila melanogaster (vinegar fly) Application Route: oral (feed) Method: OECD Test Guideline 477 Result: negative The test was conducted according to guideline
Germ cell mutagenicity- Assessment	:	Not classified due to data which are conclusive although insufficient for classification.

Calcium carbonate:

Genotoxicity in vitro	:	Test Type: Chromosome aberration test in vitro Method: OECD Test Guideline 473 Result: negative The test was conducted according to guideline Test Type: In vitro mammalian cell gene mutation test Method: OECD Test Guideline 476 Result: negative The test was conducted according to guideline Test Type: Bacterial reverse mutation assay (AMES) Method: OECD Test Guideline 471 Result: negative The test was conducted according to guideline
Germ cell mutagenicity- Assessment	:	Not classified due to data which are conclusive although insufficient for classification.

Talc:

Genotoxicity in vitro	:	Test Type: in vitro mammalian cell transformation assay Method: OECD Test Guideline 473

Result: negative
The test was conducted equivalent or similar to guideline

Test Type: Bacterial reverse mutation assay (AMES)
Method: OECD Test Guideline 471
Result: negative
The test was conducted equivalent or similar to guideline

Genotoxicity in vivo : Test Type: Rodent dominant lethal test (germ cell) (in vivo)
Species: Rat
Application Route: oral (gavage)
Method: OECD Test Guideline 478
Result: negative
The test was conducted equivalent or similar to guideline

Germ cell mutagenicity- Assessment : Not classified due to data which are conclusive although insufficient for classification.

Carcinogenicity

Not classified due to lack of data.

Components:

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

Carcinogenicity - Assessment : Not classified due to data which are conclusive although insufficient for classification.

reaction mass of: 5-chloro-2- methyl-4-isothiazolin-3-one and 2-methyl-2H -isothiazol-3-one (3:1):

Species : Mouse, male
Application Route : Dermal
Exposure time : 30 Months
Method : OECD Test Guideline 451
Result : negative
Remarks : The test was conducted equivalent or similar to guideline

Species : Rat
Application Route : oral (drinking water)
Exposure time : 24 Months
Method : OECD Test Guideline 453
Result : negative
Remarks : The test was conducted according to guideline

Carcinogenicity - Assessment : Not classified due to data which are conclusive although insufficient for classification.

Calcium carbonate:

Carcinogenicity - Assessment	:	Not classified due to data which are conclusive although insufficient for classification.

Talc:

Species	:	Mouse
Application Route	:	inhalation (dust/mist/fume)
Exposure time	:	104 Weeks
Method	:	OECD Test Guideline 453
Result	:	negative
Remarks	:	The test was conducted according to guideline

Species	:	Rat
Application Route	:	oral (feed)
Exposure time	:	101 d
Method	:	OECD Test Guideline 453
Result	:	negative
Remarks	:	The test was conducted according to guideline

Carcinogenicity - Assessment	:	Not classified due to data which are conclusive although insufficient for classification.

Reproductive toxicity

Not classified due to lack of data.

Components:

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

Effects on fertility	:	Test Type: Two-generation reproduction toxicity study Species: Rat, female Application Route: oral (feed) Method: OPPTS 870.3800 Result: negative The test was conducted according to guideline
Reproductive toxicity - Assessment	:	Not classified due to data which are conclusive although insufficient for classification. Not classified due to data which are conclusive although insufficient for classification.

reaction mass of: 5-chloro-2- methyl-4-isothiazolin-3-one and 2-methyl-2H -isothiazol-3-one (3:1):

Effects on fertility	:	Test Type: Two-generation reproduction toxicity study Species: Rat Application Route: oral (drinking water)

Method: OECD Test Guideline 416
Result: negative
The test was conducted according to guideline

Effects on foetal development : Test Type: Developmental Toxicity
Species: Rabbit
Application Route: oral (gavage)
Result: negative
The test was conducted according to guideline

Reproductive toxicity - Assessment : Not classified due to data which are conclusive although insufficient for classification.

Not classified due to data which are conclusive although insufficient for classification.

Calcium carbonate:

Effects on fertility : Test Type: Screening test
Species: Rat
Application Route: oral (gavage)
Method: OECD Test Guideline 422
Result: negative
The test was conducted according to guideline

Effects on foetal development : Test Type: Developmental Toxicity
Species: Rat
Application Route: oral (feed)
Result: negative
The test was conducted equivalent or similar to guideline

Reproductive toxicity - Assessment : Not classified due to data which are conclusive although insufficient for classification.

Not classified due to lack of data.

Talc:

Effects on fertility : Test Type: Two-generation reproduction toxicity study
Species: Rabbit, female
Application Route: oral (gavage)
Method: OECD Test Guideline 416
Result: negative
The test was conducted equivalent or similar to guideline

Effects on foetal development : Test Type: Developmental Toxicity
Species: Rat
Application Route: oral (gavage)
Result: negative

The test was conducted equivalent or similar to guideline

Reproductive toxicity - Assessment : Not classified due to data which are conclusive although insufficient for classification.

Not classified due to data which are conclusive although insufficient for classification.

STOT - single exposure

Not classified due to lack of data.

Components:

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

Assessment : Not classified due to data which are conclusive although insufficient for classification.

reaction mass of: 5-chloro-2- methyl-4-isothiazolin-3-one and 2-methyl-2H -isothiazol-3-one (3:1):

Assessment : Not classified due to data which are conclusive although insufficient for classification.

Calcium carbonate:

Assessment : Not classified due to data which are conclusive although insufficient for classification.

Talc:

Assessment : Not classified due to data which are conclusive although insufficient for classification.

STOT - repeated exposure

Not classified due to lack of data.

Components:

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

Assessment : Not classified due to data which are conclusive although insufficient for classification.

reaction mass of: 5-chloro-2- methyl-4-isothiazolin-3-one and 2-methyl-2H -isothiazol-3-one (3:1):

Assessment : Not classified due to data which are conclusive although insufficient for classification.

Calcium carbonate:

Assessment : Not classified due to data which are conclusive although insufficient for classification.

Talc:

Assessment : Not classified due to data which are conclusive although insufficient for classification.

Aspiration hazard

Not classified due to lack of data.

Components:

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

Not classified due to data which are conclusive although insufficient for classification.

reaction mass of: 5-chloro-2- methyl-4-isothiazolin-3-one and 2-methyl-2H -isothiazol-3-one (3:1):

Not classified due to data which are conclusive although insufficient for classification.

Calcium carbonate:

Not classified due to lack of data.

Talc:

Not classified due to data which are conclusive although insufficient for classification.

Endocrine disrupting properties

Product:

Assessment : This substance/mixture does not contain components considered to have endocrine disrupting properties for human health according to UK REACH Article 57(f), at levels of 0.1% or higher.

Further information

Product:

Remarks : No data available

SECTION 12: Ecological information

12.1 Toxicity

Components:

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

Toxicity to fish	:	LC50 (Oncorhynchus mykiss (rainbow trout)): 2,15 mg/l Exposure time: 96 h Method: OECD Test Guideline 203 Remarks: The test was conducted according to guideline
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): 2,9 mg/l Exposure time: 48 h Method: OECD Test Guideline 202 Remarks: The test was conducted according to guideline
Toxicity to algae/aquatic plants	:	NOEC (Pseudokirchneriella subcapitata (green algae)): 40,3 µg/l Exposure time: 72 h Method: OECD Test Guideline 201 Remarks: The test was conducted according to guideline EC50 (Pseudokirchneriella subcapitata (green algae)): 110 µg/l Exposure time: 72 h Method: OECD Test Guideline 201 Remarks: The test was conducted according to guideline
M-Factor (Acute aquatic toxicity)	:	1
Toxicity to microorganisms	:	NOEC (activated sludge): 10,3 mg/l Exposure time: 3 h Method: OECD Test Guideline 209 Remarks: The test was conducted according to guideline EC50 (activated sludge): 12,8 mg/l Exposure time: 3 h Method: OECD Test Guideline 209 Remarks: The test was conducted according to guideline
M-Factor (Chronic aquatic toxicity)	:	1

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 daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): 0,099 mg/l Exposure time: 48 h Method: OECD Test Guideline 202 Remarks: The test was conducted according to guideline
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 toxicity)	:	100
Toxicity to microorganisms	:	NOEC (activated sludge): 0,91 mg/l Exposure time: 3 h Method: OECD Test Guideline 209 Remarks: The test was conducted according to guideline EC50 (activated sludge): 4,5 mg/l Exposure time: 3 h Method: OECD Test Guideline 209 Remarks: The test was conducted according to guideline
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	:	NOEC: 0,1 mg/l Exposure time: 21 d Species: Daphnia magna (Water flea) Method: EPA OPP 72-4 Remarks: The test was conducted according to guideline
M-Factor (Chronic aquatic toxicity)	:	100

Calcium carbonate:

Toxicity to algae/aquatic plants	:	EC10 (Desmodesmus subspicatus (green algae)): > 14 mg/l Exposure time: 72 h Method: OECD Test Guideline 201 Remarks: The test was conducted according to guideline
Toxicity to microorganisms	:	NOEC (activated sludge): 1.000 mg/l Exposure time: 3 h Method: OECD Test Guideline 209 Remarks: The test was conducted according to guideline

EC50 (activated sludge): > 1.000 mg/l
Exposure time: 3 h
Method: OECD Test Guideline 209
Remarks: The test was conducted according to guideline

12.2 Persistence and degradability

Components:

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

Biodegradability : Result: Not readily biodegradable.
Biodegradation: 62 %
Exposure time: 4 d
Method: OECD Test Guideline 301C
Remarks: The test was conducted according to guideline

reaction mass of: 5-chloro-2- methyl-4-isothiazolin-3-one and 2-methyl-2H -isothiazol-3-one (3:1):

Biodegradability : Result: Not readily biodegradable.
Biodegradation: 47,6 %
Exposure time: 28 d
Method: OECD Test Guideline 301B
Remarks: The test was conducted according to guideline

Calcium carbonate:

Biodegradability : Result: Readily biodegradable.
Biodegradation: 90 %
Exposure time: 28 d
Method: OECD Test Guideline 301B
Remarks: The test was conducted according to guideline

12.3 Bioaccumulative potential

Components:

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

Bioaccumulation : Species: Lepomis macrochirus (Bluegill sunfish)
Bioconcentration factor (BCF): 6,62

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

reaction mass of: 5-chloro-2- methyl-4-isothiazolin-3-one and 2-methyl-2H -isothiazol-3-one (3:1):

Bioaccumulation : Species: Lepomis macrochirus (Bluegill sunfish)

Bioconcentration factor (BCF): 54
Method: OECD Test Guideline 305E
Remarks: The test was conducted according to guideline

Partition coefficient: n-octanol/water : log Pow: -0,34 - 0,63 (10 °C)
pH: 7
Method: OECD Test Guideline 117
Remarks: The test was conducted according to guideline

Talc:

Partition coefficient: n-octanol/water : log Pow: -9,4 (25 °C)
pH: 7
Remarks: No test guideline followed

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 information : No data available

Endocrine disrupting properties

Product:

Assessment : This substance/mixture does not contain components considered to have endocrine disrupting properties for environment according to UK REACH Article 57(f) at levels of 0.1% or higher.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal.

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
IATA	:	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
RID	:	Not regulated as a dangerous good
IMDG	:	Not regulated as a dangerous good
IATA	:	Not regulated as a dangerous good

14.3 Transport 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	:	Not regulated as a dangerous good
IATA	:	Not regulated as a dangerous good

14.4 Packing group

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
IATA (Cargo)	:	Not regulated as a dangerous good
IATA (Passenger)	:	Not regulated as a dangerous good

14.5 Environmental hazards

Not regulated as a dangerous good

14.6 Special precautions for user

Not applicable

14.7 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

Relevant EU provisions transposed through retained EU law

UK REACH List of restrictions (Annex 17)	:	Not applicable
UK REACH Candidate list of substances of very high concern (SVHC) for Authorisation	:	Not applicable
The Persistent Organic Pollutants Regulations (retained Regulation (EU) 2019/1021 as amended for Great Britain)	:	Not applicable
Regulation (EU) No 2024/590 on substances that deplete the ozone layer	:	Not applicable
UK REACH List of substances subject to authorisation (Annex XIV)	:	Not applicable
GB Export and import of hazardous chemicals - Prior Informed Consent (PIC) Regulation	:	Not applicable
Control of Major Accident Hazards Regulations 2015 (COMAH)		Not applicable

Volatile organic compounds	:	Directive 2004/42/EC Volatile organic compounds (VOC) content: 10 g/l

Other regulations:

Take note of The Management of Health and Safety at Work Regulations 1999 (requirements relating to new and expectant mothers at work contained in Regulation 16 to 18) and of the Pregnant Workers Directive 92/85/EEC.
Take note of The Management of Health and Safety at Work Regulations 1999 (requirements relating to protection of young people at work contained in Regulation 19) and of Directive 94/33/EC on the protection of young people at work.

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
2004/37/EC	:	Europe. Directive 2004/37/EC on the protection of workers from the risks related to exposure to carcinogens, mutagens or reprotoxic substances at work - Annex III
GB EH40	:	UK. EH40 WEL - Workplace Exposure Limits
2004/37/EC / TWA	:	Long term exposure limit
GB EH40 / TWA	:	Long-term exposure limit (8-hour TWA reference period)

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 Harmonised 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 Organisation; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardisation; 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 - Organisation 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

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.