Tana-Chemie GmbH
Werner & Mertz Group

LONGLIFE HOSPITAL

WM 1116038 **Order number: 0716038**

Version 1.2 Revision Date 13.03.2025 Print Date 10.06.2025

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

1.1 Product identifier

Trade name	:	LONGLIFE HOSPITAL
UFI	:	YT1C-A0RM-V000-DH7E

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

Use of the Substance/Mixture	:	Care product / Polish
		Restricted to professional users.

1.3 Details of the supplier of the safety data sheet

Company	:	Tana Chemie GmbH Rheinallee 96 55120 Mainz
Telephone	:	+49613196403
Telefax	:	+4961319642414
E-mail address	:	Produktsicherheit@werner-mertz.com
Responsible/issuing person		
Contact person	:	Product development / product safety

1.4 Emergency telephone number

+49(0)551-19240

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)

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

Additional Labelling:

Safety data sheet available on request.

EUH208	Contains 1,2-benzisothiazol-3(2H)-one, reaction mass of: 5-chloro-2- methyl-4-isothiazolin-3-one [EC no. 247-500-7]and 2-methyl-2H -isothiazol-3- one [EC no. 220-239-6] (3:1). 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.

Ecological information: 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.

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.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

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	Eye Dam. 1; H318 Skin Sens. 1A; H317 Aquatic Acute 1; H400 Acute Tox. 2; H330 Acute Tox. 4; H302 Skin Irrit. 2; H315 Aquatic Chronic 1; H410 M-Factor (Acute aquatic toxicity): 11 M-Factor (Chronic aquatic toxicity): 11 specific concentration limit Skin Sens. 1A; H317 >= 0,036 % Skin Irrit. 2; H315 >= 10 % Eye Dam. 1; H318 >= 3 % Eye Irrit. 2; H319 1 - < 3 % Aquatic Acute 1; H400 >= 25 % Aquatic Chronic 2; H411 >= 25 % Aquatic Chronic 3; H412 2,5 - < 25 % Skin Sens. 1; H317 >= 0,036 % Acute toxicity estimate Acute oral toxicity: 500,0 mg/kg 450 mg/kg Acute inhalation toxicity (dust/mist): 0,21 mg/l	>= 0,0025 - < 0,025
reaction mass of: 5-chloro-2- methyl-4-isothiazolin-3-one [EC no. 247-500-7]and 2-methyl-2H -isothiazol-3- one [EC no. 220-239-6] (3	55965-84-9 613-167-00-5	Acute Tox. 2; H330 Acute Tox. 2; H310 Acute Tox. 3; H301 Skin Corr. 1C; H314	>= 0,0002 - < 0,0015

		Skin Sens. 1A; H317 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 Eye Dam. 1; H318 EUH071 M-Factor (Acute aquatic toxicity): 100100 M-Factor (Chronic aquatic toxicity): 100100 specific concentration 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 % Skin Irrit. 2; H315 0,06 - < 0,6 % Skin Corr. 1C; H314 >= 0,6 % Eye Irrit. 2; H319 0,06 - < 0,6 % Eye Dam. 1; H318 >= 0,6 % Skin Sens. 1A; H317 >= 0,0015 % Eye Dam. 1; H318 >= 0,6 % Acute toxicity estimate Acute oral toxicity: 100,0 mg/kg Acute dermal toxicity: 300 mg/kg	

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice : No hazards which require special first aid measures.

If inhaled : Move to fresh air in case of accidental inhalation of dust or fumes from overheating or combustion.
If symptoms persist, call a physician.

In case of skin contact : Take off contaminated clothing and shoes immediately.

Wash off with soap and plenty of water.

In case of eye contact	:	Protect unharmed eye. If easy to do, remove contact lens, if worn. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
If swallowed	:	Clean mouth with water and drink afterwards plenty of water. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms	:	No information available.
Risks	:	No information available.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment	:	For specialist advice physicians should contact the Poisons Information Service.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media	:	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting	:	Do not allow run-off from fire fighting to enter drains or water courses.
Hazardous combustion products	:	No hazardous combustion products are known

5.3 Advice for firefighters

Special protective equipment for firefighters	:	In the event of fire, wear self-contained breathing apparatus.
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.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions	:	Use personal protective equipment.

6.2 Environmental precautions

Environmental precautions	:	Try to prevent the material from entering drains or water courses.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Sweep up and shovel.
Wipe up with absorbent material (e.g. cloth, fleece).
Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For personal protection see section 8., Treat recovered material as described in the section "Disposal considerations"., Refer to section 15 for specific national regulation.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : For personal protection see section 8.
No special handling advice required.

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

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 : Store in cool place. Store at room temperature in the original container. To maintain product quality, do not store in heat or direct sunlight.

Advice on common storage : No special restrictions on storage with other products.

Further information on storage stability : No decomposition if stored and applied as directed.
Protect from frost, heat and sunlight.

7.3 Specific end use(s)

Specific use(s) : Care product / Polish

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Contains no substances with occupational exposure limit values.

Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

Substance name	End Use	Exposure routes	Potential health effects	Value
2-(2-ethoxyethoxy)ethanol	Workers	Skin contact	Long-term systemic effects	50 mg/kg
	Consumers	Ingestion	Long-term systemic effects	25 mg/kg
	Consumers	Skin contact	Long-term systemic effects	25 mg/kg

	Workers	Inhalation	Long-term local effects	37 mg/m3
	Consumers	Inhalation	Long-term systemic effects	18,3 mg/m3
	Consumers	Inhalation	Long-term local effects	9 mg/m3
	Workers	Inhalation	Long-term local effects	18 mg/m3
	Workers	Inhalation	Long-term systemic effects	37 mg/m3
isobutyric acid, monoester with 2,2,4-trimethylpentane-1,3-diol	Workers	Skin contact	Long-term exposure, Systemic effects	13,9 mg/kg
	Workers	Inhalation	Long-term exposure, Systemic effects	49 mg/m3
	Consumers	Skin contact	Long-term exposure, Systemic effects	8,33 mg/kg
	Consumers	Inhalation	Long-term exposure, Systemic effects	14,5 mg/m3
	Consumers	Ingestion	Long-term exposure, Systemic effects	8,33 mg/kg

Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

Substance name	Environmental Compartment	Value
2-(2-ethoxyethoxy)ethanol	Fresh water	0,74 mg/l
	Marine water	0,074 mg/l
	Fresh water sediment	2,47 mg/kg
	Marine sediment	0,274 mg/kg
	Soil	0,15 mg/kg
	STP	500 mg/l
	intermittent release	10 mg/l
isobutyric acid, monoester with 2,2,4-trimethylpentane-1,3-diol	Fresh water	0,015 mg/l
	Marine water	0,0015 mg/l
	Fresh water sediment	0,17 mg/kg

	Marine sediment	0,017 mg/kg
	Soil	0,13 mg/kg

8.2 Exposure controls

Personal protective equipment

Eye/face protection : not required under normal use

Hand protection

Material : not required under normal use

Material : For prolonged or repeated contact use protective gloves.

It is suggested the usage of chemical resistant gloves made of butyl rubber or nitrile rubber category III according to EN 374.

As alternative, a different type of gloves might be used if, accordingly to the recommendations of the producer, guarantee the same level of protection.

Remarks : Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact).

Skin and body protection : not required under normal use

Respiratory protection : not required under normal use

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state : liquid

Colour : white

Odour : very faint

Melting point/freezing point	:	No data available
Boiling point/boiling range	:	No data available
Flammability (solid, gas)	:	No data available
Flammability (liquids)	:	No data available
Lower explosion limit	:	No data available
Upper explosion limit	:	No data available
Flash point	:	does not flash
Ignition temperature	:	No data available
Decomposition temperature	:	No data available
pH	:	ca. 8,1, 100 % at 20 °C
Viscosity, dynamic	:	No data available
Viscosity, kinematic	:	No data available
Water solubility	:	No data available
Solubility in other solvents	:	No data available
Partition coefficient: n-octanol/water	:	No data available
Vapour pressure	:	No data available
Density	:	1,020 g/cm3 at 20 °C
Relative density	:	No data available
Relative vapour density	:	No data available
Particle characteristics	:	No data available

9.2 Other information

none

SECTION 10: Stability and reactivity

10.1 Reactivity

Stable under recommended storage conditions.
No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

Hazardous reactions	:	No hazards to be specially mentioned.

10.4 Conditions to avoid

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

10.5 Incompatible materials

Materials to avoid	:	No data available

10.6 Hazardous decomposition products

No hazardous decomposition products are known.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Our company is strongly against animal testing.
Our company does not place any orders for animal testing for the finished product or the ingredients.
However, as a result of EU legislation (REACH Regulation), the manufacturers of ingredients or EU importers are obliged to test ingredients with regard to their effects on human health and the environment before they are brought onto the market. Some of the tests made necessary by this took place decades ago.

Acute toxicity

Not classified due to lack of data.
Acute toxicity : Not Rated

Components:

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

2634-33-5:

Acute oral toxicity : LD50 (Rat): 1.150 mg/kg

Acute toxicity estimate: 500,0 mg/kg
Method: Converted acute toxicity point estimate

LD50 (Rat): 1.193 mg/kg

LD50 (Rat, male and female): 784 mg/kg
Method: OECD Test Guideline 401
GLP: yes

LD50 (Rat): 490 mg/kg

LD50 (Rat): 670 mg/kg

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

Acute inhalation toxicity : LC50 (Rat): 0,25 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist

LC50 (Rat): 0,5 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Method: OPPTS 870.1300
GLP: yes

LC50 (Rat): 0,11 mg/l
Test atmosphere: dust/mist

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): 4.115 mg/kg

LD50 (Rat, male and female): > 2.000 mg/kg
GLP: yes

LD50 Dermal (Rabbit): > 2.000 mg/kg

reaction mass of: 5-chloro-2- methyl-4-isothiazolin-3-one [EC no. 247-500-7]and 2-methyl-2H -isothiazol-3- one [EC no. 220-239-6] (3

55965-84-9:

Acute oral toxicity : Acute toxicity estimate: 100,0 mg/kg
Method: Converted acute toxicity point estimate

LD50 (Rat): 64 mg/kg

LD50 (Rat): 490 mg/kg
Method: OECD Test Guideline 401

Acute inhalation toxicity : LC50 (Rat, male and female): 0,171 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist

LC50 (Rat): 0,17 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist

Acute dermal toxicity : LD50 (Rabbit): 92,4 mg/kg

Acute toxicity estimate: 300 mg/kg
Method: Converted acute toxicity point estimate

LD50 Dermal (Rat): 87 mg/kg

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

Skin corrosion/irritation

Not classified due to lack of data.

Product:

Remarks : According to the classification criteria of the European Union, the product is not considered as being a skin irritant.

Components:

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

2634-33-5:

Species : Rabbit
Method : OECD Test Guideline 404
Result : Skin irritation

reaction mass of: 5-chloro-2- methyl-4-isothiazolin-3-one [EC no. 247-500-7]and 2-methyl-2H -isothiazol-3- one [EC no. 220-239-6] (3

55965-84-9:

Species	:	Rabbit
Result	:	irritating

Serious eye damage/eye irritation

Not classified due to lack of data.

Product:

Remarks	:	According to the classification criteria of the European Union, the product is not considered as being an eye irritant.

Components:

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

2634-33-5:

Species	:	Rabbit
Method	:	OECD Test Guideline 405
Result	:	Causes serious eye damage.
Species	:	Bovine cornea
Method	:	OECD Test Guideline 437
Result	:	Risk of serious damage to eyes.

Respiratory or skin sensitisation

Skin sensitisation

Not classified due to lack of data.

Respiratory sensitisation

Not classified due to lack of data.

Product:

Remarks	:	No data available

Components:

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

2634-33-5:

Exposure routes	:	Dermal
Species	:	Guinea pig
Method	:	OECD Test Guideline 406
Result	:	May cause sensitisation by skin contact.
Exposure routes	:	Dermal
Species	:	Mouse
Method	:	OECD Test Guideline 429
Result	:	May cause sensitisation by skin contact.

reaction mass of: 5-chloro-2- methyl-4-isothiazolin-3-one [EC no. 247-500-7]and 2-methyl-2H -isothiazol-3- one [EC no. 220-239-6] (3

55965-84-9:

Species	:	Guinea pig
Method	:	OECD Test Guideline 406

Result : May cause sensitisation by skin contact.

Germ cell mutagenicity

Not classified due to lack of data.
Germ cell mutagenicity : Not Rated

Carcinogenicity

Not classified due to lack of data.
Carcinogenicity : Not Rated

Reproductive toxicity

Not classified due to lack of data.
Reproductive toxicity : Not Rated

STOT - single exposure

Not classified due to lack of data.
STOT - single exposure : The substance or mixture is not classified as specific target organ toxicant, single exposure.

STOT - repeated exposure

Not classified due to lack of data.
STOT - repeated exposure : The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

Aspiration toxicity

Not classified due to lack of data.
Aspiration toxicity : Not Rated

11.2 Information on other hazards

Further information

Product:

Remarks : No data available

SECTION 12: Ecological information

12.1 Toxicity

Components:

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

2634-33-5:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 16,0 mg/l
Exposure time: 96 h
Method: OECD Test Guideline 203

LC50 (Oncorhynchus mykiss (rainbow trout)): 2,18 mg/l
Exposure time: 96 h

Test Type: static test
Analytical monitoring: yes
Method: OECD Test Guideline 203
GLP: yes

LC50 (Cyprinodon variegatus (sheepshead minnow)): ca. 16,7 mg/l
Exposure time: 96 h
Test Type: static test
Analytical monitoring: yes
GLP: yes

NOEC (Oncorhynchus mykiss (rainbow trout)): 0,21 mg/l
Exposure time: 28 d
Method: OECD Test Guideline 215

NOEC (Oncorhynchus mykiss (rainbow trout)): 2,1 mg/l
Exposure time: 28 d

LC50 (Oncorhynchus mykiss (rainbow trout)): 1,6 mg/l
Exposure time: 96 h
Method: OECD Test Guideline 203

LC50 (Oncorhynchus mykiss (rainbow trout)): 2,2 mg/l
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia (water flea)): 32,7 mg/l
Exposure time: 48 h
Method: OECD Test Guideline 202

EC50 (Daphnia magna (Water flea)): 2,94 mg/l
Exposure time: 48 h
Test Type: static test
Analytical monitoring: yes
Method: OECD Test Guideline 202
GLP: yes

EC0 (Daphnia magna (Water flea)): 0,643 mg/l
Exposure time: 48 h
Test Type: static test
Analytical monitoring: yes
Method: OECD Test Guideline 202
GLP: yes

EC50 (Mysidopsis bahia (opossum shrimp)): 0,9893 mg/l
Exposure time: 96 h
Test Type: static test
Analytical monitoring: yes
GLP: yes

NOEC (Daphnia (water flea)): 1,02 mg/l
Exposure time: 21 d
Method: OECD Test Guideline 211

NOEC (Daphnia (water flea)): 12 mg/l
Exposure time: 21 d

EC50 (Daphnia magna (Water flea)): 3,27 mg/l
Exposure time: 48 h

Toxicity to algae/aquatic plants : EC10 (Pseudokirchneriella subcapitata (green algae)): 0,04 mg/l

Exposure time: 72 h
Method: OECD Test Guideline 201

EC50 (Pseudokirchneriella subcapitata (green algae)): 0,11 mg/l
Exposure time: 72 h
Method: OECD Test Guideline 201

EC50 (Selenastrum capricornutum (green algae)): 1,1 mg/l
Exposure time: 72 h
Analytical monitoring: yes
Method: OECD Test Guideline 201
GLP: yes

NOEC (Selenastrum capricornutum (green algae)): 0,04 mg/l
Exposure time: 72 h
Analytical monitoring: yes
Method: OECD Test Guideline 201
GLP: yes

EC100 (Pseudokirchneriella subcapitata (green algae)): 0,067 mg/l
Exposure time: 72 h

NOEC (Pseudokirchneriella subcapitata (green algae)): 0,4 mg/l
Exposure time: 72 h

ErC50 (Pseudokirchneriella subcapitata (green algae)): 0,11 mg/l
Exposure time: 72 h

NOEC (Skeletonema costatum (marine diatom)): 0,027 mg/l
Exposure time: 72 h

EC50 (Selenastrum capricornutum (green algae)): 0,11 mg/l
Exposure time: 72 h

NOEC (Selenastrum capricornutum (green algae)): 0,04 mg/l
Exposure time: 72 h

M-Factor (Acute aquatic toxicity) : 1

1

Toxicity to microorganisms : EC20 (activated sludge): 3,3 mg/l
Exposure time: 3 h
Method: OECD Test Guideline 209

EC50 (activated sludge): 13 mg/l
Exposure time: 3 h
Method: OECD Test Guideline 209

Toxicity to fish (Chronic toxicity) : NOEC: 0,21 mg/l
Species: Oncorhynchus mykiss (rainbow trout)
Method: OECD Test Guideline 215

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: 1,2 mg/l
Exposure time: 21 d
Species: Daphnia (water flea)
Method: OECD Test Guideline 211

M-Factor (Chronic aquatic toxicity) : 1

1

5-Chloro-2-methyl-3(2H)isothiazolone mixt. with 2-Methyl-3(2H)isothiazolone

55965-84-9:

Toxicity to fish	:	LC50 (Oncorhynchus mykiss (rainbow trout)): 14,8 mg/l Exposure time: 96 h LC50 (Oncorhynchus mykiss (rainbow trout)): 0,188 mg/l Exposure time: 96 h LC50 (Oncorhynchus mykiss (rainbow trout)): 0,22 mg/l Exposure time: 96 h Method: OECD Test Guideline 203 NOEC (Oncorhynchus mykiss (rainbow trout)): 0,098 mg/l Exposure time: 28 d LC50 (Oncorhynchus mykiss (rainbow trout)): 0,19 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia (water flea)): 8 mg/l Exposure time: 48 h EC50 (Daphnia magna (Water flea)): 0,126 mg/l Exposure time: 48 h EC50 (Daphnia (water flea)): 0,1 mg/l Exposure time: 48 h Method: OECD Test Guideline 202 (Daphnia (water flea)): 0,004 mg/l Exposure time: 21 d Method: OECD Test Guideline 211 EC50 (Daphnia magna (Water flea)): 0,16 mg/l Exposure time: 48 h EC50 (Daphnia magna (Water flea)): 0,16 mg/l Exposure time: 48 h
Toxicity to algae/aquatic plants	:	EC50 (Selenastrum capricornutum (green algae)): 1,67 mg/l Exposure time: 72 h EC50 (Selenastrum capricornutum (green algae)): 0,027 mg/l Exposure time: 72 h EC50 (Skeletonema costatum (marine diatom)): 0,0052 mg/l Exposure time: 48 h Method: OECD Test Guideline 201 NOEC (Skeletonema costatum (marine diatom)): 0,00064 mg/l Exposure time: 48 h Method: OECD Test Guideline 201 NOEC (Pseudokirchneriella subcapitata (green algae)): 0,0012 mg/l Exposure time: 72 h Method: OECD Test Guideline 201

EC50 (Pseudokirchneriella subcapitata (green algae)): 0,048 mg/l
Exposure time: 72 h
Method: OECD Test Guideline 201

EC50 (Skeletonema costatum (marine diatom)): 0,0052 mg/l
Exposure time: 48 h
Method: ISO 10253

NOEC (Skeletonema costatum (marine diatom)): 0,00064 mg/l
Exposure time: 48 h
Method: ISO 10253

ErC50 (Skeletonema costatum (marine diatom)): 19,9 µg/l
Exposure time: 72 h
Method: OECD Test Guideline 201

ErC50 (Skeletonema costatum (marine diatom)): 6,3 µg/l
Exposure time: 72 h
Method: OECD Test Guideline 201

ErC50 (Pseudokirchneriella subcapitata (green algae)): 27,3 µg/l
Exposure time: 72 h
Method: OECD Test Guideline 201

NOEC (Skeletonema costatum (marine diatom)): 0,49 µg/l
Exposure time: 48 h
Method: OECD Test Guideline 201

NOEC (Skeletonema costatum (marine diatom)): 1,4 µg/l
Exposure time: 72 h
Method: OECD Test Guideline 201

M-Factor (Acute aquatic toxicity) : 100

100

Toxicity to microorganisms : EC20 (activated sludge): 0,97 mg/l
Exposure time: 3 h
Method: OECD Test Guideline 209

EC50 (activated sludge): 7,92 mg/l
Exposure time: 3 h
Method: OECD Test Guideline 209

EC50 (activated sludge): 4,5 mg/l
Method: OECD Test Guideline 209

Toxicity to fish (Chronic toxicity) : 0,098 mg/l
Exposure time: 28 d
Species: Oncorhynchus mykiss (rainbow trout)
Method: OECD Test Guideline 210

0,02 mg/l
Exposure time: 38 d
Species: Oncorhynchus mykiss (rainbow trout)
Method: OECD Test Guideline 210

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: 0,004 mg/l
Species: Daphnia magna (Water flea)
Method: OECD Test Guideline 211

M-Factor (Chronic aquatic toxicity)	:	100
		100

12.2 Persistence and degradability

Components:

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

2634-33-5:

Biodegradability	:	Test Type: Primary biodegradation Result: Biodegradable Biodegradation: > 90 % Method: see user defined free text

5-Chloro-2-methyl-3(2H)isothiazolone mixt. with 2-Methyl-3(2H)isothiazolone

55965-84-9:

Biodegradability	:	Inoculum: activated sludge Result: Readily biodegradable. Biodegradation: > 60 % Exposure time: 28 d Method: OECD 301 D Inoculum: activated sludge Biodegradation: > 80 % Method: OECD Test Guideline 303A Remarks: Expected to be biodegradable Inoculum: activated sludge Biodegradation: 47,1 - 55,8 % Exposure time: 28 d Method: OECD 301 B

12.3 Bioaccumulative potential

Components:

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

2634-33-5:

Bioaccumulation	:	Species: Fish Bioconcentration factor (BCF): 6,95 Method: OECD Test Guideline 305
Partition coefficient: n-octanol/water	:	log Pow: 0,4

5-Chloro-2-methyl-3(2H)isothiazolone mixt. with 2-Methyl-3(2H)isothiazolone

55965-84-9:

Bioaccumulation	:	Exposure time: 28 d Bioconcentration factor (BCF): < 500 Method: OECD Test Guideline 305
Partition coefficient: n-octanol/water	:	log Pow: -0,71 - 0,75 Method: OECD Test Guideline 107

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.

Components:

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

2634-33-5:

Assessment : This substance is not considered to be very persistent and very bioaccumulating (vPvB).. This substance is not considered to be persistent, bioaccumulating and toxic (PBT).

5-Chloro-2-methyl-3(2H)isothiazolone mixt. with 2-Methyl-3(2H)isothiazolone

55965-84-9:

Assessment : This substance is not considered to be very persistent and very bioaccumulating (vPvB).. This substance is not considered to be persistent, bioaccumulating and toxic (PBT).

12.6 Endocrine disrupting properties

Product:

Assessment : 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.

12.7 Other adverse effects

Product:

Additional ecological information : There is no data available for this product.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product : In accordance with local and national regulations.

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

Waste Code : European Waste Catalogue
08 02 99
According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.

SECTION 14: Transport information

14.1 UN number or ID number

ADR
Not dangerous goods
RID
Not dangerous goods
IMDG
Not dangerous goods
IATA
Not dangerous goods

14.2 UN proper shipping name

Not regulated as a dangerous good

14.3 Transport hazard class(es)

ADR
Not dangerous goods
RID
Not dangerous goods
IMDG
Not dangerous goods
IATA
Not dangerous goods

14.4 Packing group

ADR
Not dangerous goods
RID
Not dangerous goods
IMDG
Not dangerous goods
IATA
Not dangerous goods

14.5 Environmental hazards

ADR
Not dangerous goods
RID
Not dangerous goods
IMDG
Not regulated as a dangerous good
IATA
Not dangerous goods

14.6 Special precautions for user

Remarks : Not classified as dangerous in the meaning of transport regulations.

For personal protection see section 8.

14.7 Maritime transport in bulk according to IMO instruments

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 European Parliament and : Not applicable

the Council concerning the export and import of dangerous chemicals

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII) : Not applicable

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances. : Not applicable

TA Luft List (Germany)
: Total dust: Not applicable
: Inorganic substances in powdered form: Not applicable
: Inorganic substances in vapour or gaseous form: Not applicable
: Organic Substances: : portionClass 1: 0,02 % : portionClass 2: < 0,01 %
: Carcinogenic substances: Not applicable
: Mutagenic: Not applicable
: Toxic to reproduction: Not applicable

Volatile organic compounds (VOC) content : Directive 2010/75/EU of 24 November 2010 on industrial emissions (integrated pollution prevention and control)
Update: Percent volatile: 4,55 %

according to Detergents Regulation EC 648/2004 : <5% anionic surfactants, non-ionic surfactants, PHENOXYETHANOL, BENZISOTHIAZOLINONE, METHYLCHLOROISOTHIAZOLINONE, METHYLISOTHIAZOLINONE

15.2 Chemical safety assessment

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.
EUH071	:	Corrosive to the respiratory tract.

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 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; 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 mixture: **Classification procedure:**

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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