Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Commission Regulation (EU) 2020/878

SAFETY DATA SHEET



HIRSIVAHA

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

1.1 Product identifier Product name

: HIRSIVAHA

1.2 Relevant identified uses of the substance or mixture and uses advised against **Product use** : Paint.

1.3 Details of the supplier of the safety data sheet

Teknos Group Oy, Takkatie 3, FI-00370 HELSINKI, FINLAND. Tel. +358 9 506 091. e-mail address of person : Prod-safe@teknos.com responsible for this SDS

National contact

Teknos Group Oy, Takkatie 3, FI-00370 HELSINKI, FINLAND. Tel. +358 9 506 091.

1.4 Emergency telephone number

Telephone number : In an emergency, call 112

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture Product definition : Mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS] Not classified.

The product is not classified as hazardous according to Regulation (EC) 1272/2008 as amended. See Section 11 for more detailed information on health effects and symptoms.

2.2 Label elements		
Signal word	1	No signal word.
Hazard statements	:	No known significant effects or critical hazards.
Precautionary statements		
Prevention	1	Not applicable.
Response	1	Not applicable.
Storage	1	Not applicable.
Disposal	:	Not applicable.
Supplemental label elements	:	Contains 1,2-benzisothiazol-3(2H)-one and 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. Safety data sheet available on request. Contains biocidal products for in-can preservation: BIT. Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	:	
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SECTION 2: Hazards identification

2.3 Other hazards

Product meets the criteria for PBT or vPvB according to Regulation (EC) No. 1907/2006, Annex XIII : This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

Other hazards which do : None known. not result in classification

SECTION 3: Composition/information on ingredients

3.2 Mixtures	: Mixture				
Product/ingredient name	Identifiers	%	Classification	Specific Conc. Limits, M-factors and ATEs	Туре
1 7 ,2-benzisothiazol-3(2H)- one	EC: 220-120-9 CAS: 2634-33-5 Index: 613-088-00-6	<0.036	Acute Tox. 4, H302 Acute Tox. 2, H330 Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	ATE [Oral] = 450 mg/kg ATE [Inhalation (dusts and mists)] = 0.21 mg/l Skin Sens. 1, H317: C $\geq 0.036\%$ M [Acute] = 1 M [Chronic] = 1	[1]
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)	EC: 911-418-6 CAS: 55965-84-9 Index: 613-167-00-5	<0.001	Acute Tox. 3, H301 Acute Tox. 2, H310 Acute Tox. 2, H330 Skin Corr. 1C, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 EUH071 See Section 16 for	ATE [Oral] = 53 mg/ kg ATE [Dermal] = 50 mg/kg ATE [Inhalation (vapours)] = 0.5 mg/l Skin Corr. 1C, H314: C \geq 0.6% Eye Dam. 1, H318: C \geq 0.6% Eye Irrit. 2, H319: 0.06% \leq C < 0.6% Skin Sens. 1, H317: C \geq 0.0015% M [Acute] = 100 M [Chronic] = 100	[1]
			the full text of the H statements declared above.		

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section. Contains: > 1 % TiO2

Туре

[1] Substance classified with a health or environmental hazard

Occupational exposure limits, if available, are listed in Section 8.

SECTION 4: First aid measures

4.1 Description of first aid measures

Eye contact	 Immediately flush eyes with plenty o eyelids. Check for and remove any occurs. 		0 11
Inhalation	: Remove victim to fresh air and keep Get medical attention if symptoms o	•	omfortable for breathing.
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Skin contact	: Flush contaminated skin with plenty of water. Remove contaminated clothing and
Okin contact	shoes. Get medical attention if symptoms occur.
Ingestion	: Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
Protection of first-aiders	: No action shall be taken involving any personal risk or without suitable training.
	ns and effects, both acute and delayed
Over-exposure signs/symp	<u>otoms</u>
Eye contact	: No specific data.
Inhalation	: No specific data.
Skin contact	: No specific data.
Ingestion	: No specific data.
4.3 Indication of any immed	iate medical attention and special treatment needed
Notes to physician	 Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments	: No specific treatment

Specific treatments : No specific treatment.

SECTION 5: Firefighting measures	
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5.1 Extinguishing media		
Suitable extinguishing media	: Use an extinguishing agent suitable for the surrounding fire.	
Unsuitable extinguishing media	None known.	
5.2 Special hazards arising f	m the substance or mixture	
Hazards from the substance or mixture	: In a fire or if heated, a pressure increase will occur and the container may burst.	
Hazardous combustion products	Decomposition products may include the following materials: carbon dioxide carbon monoxide	
5.3 Advice for firefighters		
Special protective actions for fire-fighters	 Promptly isolate the scene by removing all persons from the vicinity of the inciden there is a fire. No action shall be taken involving any personal risk or without suitable training. 	nt if
Special protective equipment for fire-fighters	: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.	or

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures		
For non-emergency personnel	: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.	
For emergency responders	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".	

SECTION 6: Accidental release measures

SECTION 6. ACCIDENTAL TELEASE INEASULES		
6.2 Environmental precautions	: Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).	
6.3 Methods and material	for containment and cleaning up	
Small spill	 Stop leak if without risk. Move containers from spill area. Absorb with an inert material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor. 	
Large spill	: Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Dispose of via a licensed waste disposal contractor. Contain and collect spillage with non-combustible, absorbent material e. g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.	
6.4 Reference to other sections	: See Section 1 for emergency contact information. See Section 8 for information on appropriate personal protective equipment. See Section 13 for additional waste treatment information	

SECTION 7: Handling and storage

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

7.1 Precautions for safe handling

Protective measures	: Put on appropriate personal protective equipment (see Section 8).
Advice on general occupational hygiene	: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

7.2 Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

7.3 Specific end use(s)	
Recommendations	: Not available.
Industrial sector specific solutions	: Not available.
Solutions	

SECTION 8: Exposure controls/personal protection

The information in this section contains generic advice and guidance. Information is provided based on typical anticipated uses of the product. Additional measures might be required for bulk handling or other uses that could significantly increase worker exposure or environmental releases.

8.1 Control parameters

Occupational exposure limits

Product/ingredient name	Exposure limit values Regulation on Limit Values - MAC (Austria, 4/2021) [5-Chlor- 2-methyl-2,3-dihydroisothiazol-3-on und 2-Methyl-2,3-di- hydroisothiazol-3-on (Gemisch im Verhältnis 3:1)] Skin sensitiser. TWA 8 hours: 0.05 mg/m ³ .		
Feaction mass of: 5-chloro-2-methyl- 4-isothiazolin-3-one [EC no. 247-500-7] 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)			
No exposure limit value known.			
No exposure limit value known.			
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SECTION 8. Exposure controls/personal protection

SECTION 8: Exposure controls/p	
Propylene glycol	Ordinance on the protection of workers from exposure to hazardous chemicals at work, exposure limit values (Annex I) (Croatia, 12/2023)
	ELV 8 hours: 10 mg/m ³ . Form: only particles. ELV 8 hours: 474 mg/m ³ . Form: total vapour and particles. ELV 8 hours: 150 ppm. Form: total vapour and particles.
No exposure limit value known.	
▼,2-benzisothiazol-3(2H)-one	DFG MAC-values list (Germany, 7/2023) Skin sensitiser.
No exposure limit value known.	
No exposure limit value known.	
No exposure limit value known.	
Propylene glycol	 NAOSH (Ireland, 4/2024) Notes: Advisory Occupational Exposure Limit Values (OELVs) OELV 8 hours: 10 mg/m³. Form: particulate. OELV 8 hours: 470 mg/m³. Form: vapour and particulates. OELV 8 hours: 150 ppm. Form: vapour and particulates.
No exposure limit value known.	
Propylene glycol	Ministers Cabinet Regulations Nr.325 - AER (Latvia, 3/2024) TWA 8 hours: 7 mg/m³.
Propylene glycol	Lithuanian Hygiene Standard HN 23 (Lithuania, 1/2024) TWA 8 hours: 7 mg/m ³ .
No exposure limit value known.	
No exposure limit value known.	
No exposure limit value known.	
Propylene glycol	FOR-2011-12-06-1358 (Norway, 12/2022) TWA 8 hours: 79 mg/m³. TWA 8 hours: 25 ppm.
Propylene glycol	Regulation of the Minister of Family, Labor and Social Policy of June 12, 2018 on the maximum permissible concentrations and intensities of factors harmful to health in the work environment (Journal of Laws of 2018, item 1286) (Poland, 8/2023) TWA 8 hours: 100 mg/m ³ . Form: vapor and inhalable fraction.
No exposure limit value known.	
Peaction 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)	SUVA (Switzerland, 1/2024) Sensitiser. STEL 15 minutes: 0.4 mg/m ³ . Form: Inhalable fraction. TWA 8 hours: 0.2 mg/m ³ . Form: Inhalable fraction.
No exposure limit value known.	

Biological exposure indices

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Product/ingredient	t name Exposure indices
No exposure indices known.	
Recommended monitoring procedures	: Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.
DNELs/DMELs	•
Product/ingredient name	Result

SECTION 8: Exposure controls/personal protection					
7,2-benzisothiazol-3(2H)-one	DNEL - General population - Long term - Dermal 0.345 mg/kg bw/day <u>Effects</u> : Systemic				
	DNEL - Workers - Long term - Dermal 0.966 mg/kg bw/day <u>Effects</u> : Systemic				
	DNEL - General population - Long term - Inhalation 1.2 mg/m ³ <u>Effects</u> : Systemic				
	DNEL - Workers - Long term - Inhalation 6.81 mg/m³ <u>Effects</u> : Systemic				
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)	DNEL - General population - Long term - Inhalation 0.02 mg/m³ <u>Effects</u> : Local				
	DNEL - Workers - Long term - Inhalation 0.02 mg/m³ <u>Effects</u> : Local				
	DNEL - General population - Short term - Inhalation 0.04 mg/m³ <u>Effects</u> : Local				
	DNEL - Workers - Short term - Inhalation 0.04 mg/m³ <u>Effects</u> : Local				
	DNEL - General population - Long term - Oral 0.09 mg/kg bw/day <u>Effects</u> : Systemic				
	DNEL - General population - Short term - Oral 0.11 mg/kg bw/day <u>Effects</u> : Systemic				
PNECs Not available.					

8.2 Exposure controls

Appropriate engineering controls	: Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
Individual protection meas	<u>ires</u>
Hygiene measures	: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
Eye/face protection	: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.
Skin protection	

: 23/08/2022

SECTION 8: Exposure controls/personal protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.		
endations : Wear suitable gloves tested to EN374.		
(breakthrough time): Nitrile gloves. thickness > 0.3 mm		
mended polyvinyl alcohol (PVA) gloves		
protective equipment for the body should be selected based on the task ormed and the risks involved and should be approved by a specialist ndling this product.		
te footwear and any additional skin protection measures should be ased on the task being performed and the risks involved and should be by a specialist before handling this product.		
the hazard and potential for exposure, select a respirator that meets the e standard or certification. Respirators must be used according to a / protection program to ensure proper fitting, training, and other important f use.		
(spray application): A P		
from ventilation or work process equipment should be checked to ey comply with the requirements of environmental protection legislation. ases, fume scrubbers, filters or engineering modifications to the process t will be necessary to reduce emissions to acceptable levels.		

SECTION 9: Physical and chemical properties

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

9.1 Information on basic physical and chemical properties

Appearance	
Physical state	: Liquid.
Colour	: Various
Odour	: Slight
Odour threshold	: Not available.
Melting point/freezing point	: Not available.
Initial boiling point and boiling range	÷

	Ingredient name	°C	°F	Method
	water	100	212	
	Propylene glycol	188.2	370.8	
F	lammability · Not ava	ilable	1	

Fiammability	· NOL AVAIIADIE.
Lower and upper explosion limit	: Cower: 2.6% (propane-1,2-diol) Upper: 12.6% (propane-1,2-diol)
Flash point	: Closed cup: >100°C (>212°F)

2

Auto-ignition temperature

Ingredient name	°C	°F	Method
Propylene glycol	371	699.8	

: Not avai : Not appl						
: Not avai	lable.					
:						
: Not avai	lable.					
: 8 to 9						
: Not avai	lable.					
	: 8 to 9 : N ot avai	: Not available.	: 8 to 9 : Not available.	 8 to 9 Not available. 	 8 to 9 Not available. 	8 to 9 Not available.

SECTION 9: Physical and chemical properties

Vapour pressure	:					
	Vapour Pressure at 20°C		Vapour pressure at 50°C			
Ingredient name	mm Hg	kPa	Method	mm Hg	kPa	Method
water	17.5	2.3				
Propylene glycol	0.15	0.02	EU A.4			
Relative density	: Not	available.	ł	ŀ		·
Density	: 1 g/	cm³				
Vapour density	: Not	available.				
Particle characteristics						
Median particle size	: Not	applicable.				
9.2 Other information						
9.2.1 Information with reg			classes			
Explosive properties		available.				
o mana se a s		available.				
9.2.2 Other safety charact	teristics					
Not applicable.						
SECTION 10: Stabi	lity and re	activity	,			
10.1 Reactivity	: No spec	cific test da	ta related to reacti	vity available fo	r this produ	uct or its ingredient
10.2 Chemical stability	: The pro	duct is stat	ble.			
0.3 Possibility of nazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.					

- **10.4 Conditions to avoid** : No specific data.
- 10.5 Incompatible materials : No specific data.
- **10.6 Hazardous decomposition products :** Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1 Information on bozard alas	and an defined in Regul	ation (EC) No 1272/2009
11.1 Information on hazard class	ses as denned in Regul	alion (EC) NO 12/2/2000

Acute toxicity

Product/ingredient name

2-benzisothiazol-3(2H)-one

Result

Rat - Oral - LD50 1020 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] (3:1)

Rat - Oral - LD50

53 mg/kg <u>Toxic effects</u>: Behavioral - Somnolence (general depressed activity) Behavioral - Ataxia Lung, Thorax, or Respiration -Respiratory depression

Conclusion/Summary [Product] : Not available.

Acute toxicity estimates

Product/ingredient name	Oral (mg/ kg)		Inhalation (gases) (ppm) N/A N/A	Inhalation (vapours) (mg/l) N/A 0.5	Inhalation (dusts and mists) (mg/l) 0.21 N/A
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)		N/A 50			
Skin corrosion/irritation					
Product/ingredient name	Result				
2-benzisothiazol-3(2H)-one	Human - S	Skin - Mild irr f treatment/ex oncentration a	<u>kposure</u> : 48 ho	ours	
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)		Skin - Severe	i rritant pplied: 0.01 %	Ď	
Conclusion/Summary [Product] : Not availab	le.				
Serious eye damage/eye irritation Not available.					
Conclusion/Summary [Product] : Not availab	le.				
Respiratory corrosion/irritation Not available.					
Conclusion/Summary [Product] : Not availab	le.				
Respiratory or skin sensitization Not available.					
Skin Conclusion/Summary [Product] : Not availab	le.				
Respiratory Conclusion/Summary [Product] : Not availab	le.				
<mark>Germ cell mutagenicity</mark> Not available.					
Conclusion/Summary [Product] : Not availab	le.				
Carcinogenicity					

Conclusion/Summary [Product] : Not available.

Reproductive toxicity

Not available.

Conclusion/Summary [Pro	oduct] : Not available.
Specific target organ toxicit	y (single exposure)
Not available.	
Specific target organ toxicit	y (repeated exposure)
Not available.	
Aspiration hazard	
Not available.	
nformation on likely routes	of exposure
Not available.	
Potential acute health effect	t <u>s</u>
Eye contact	: No known significant effects or critical hazards.
Inhalation	: No known significant effects or critical hazards.
Skin contact	: No known significant effects or critical hazards.
Ingestion	: No known significant effects or critical hazards.
Symptoms related to the ph	ysical, chemical and toxicological characteristics
Eye contact	: No specific data.
Inhalation	: No specific data.
Skin contact	: No specific data.
Ingestion	: No specific data.
Delayed and immediate effe	cts as well as chronic effects from short and long-term exposure
<u>Short term exposure</u>	
Potential immediate effects	: Not available.
Potential delayed effects	: Not available.
Long term exposure	
Potential immediate effects	: Not available.
Potential delayed effects	: Not available.
Potential chronic health effe	ects
Not available.	
Conclusion/Summary [Pro	oduct] : Not available.
General	: No known significant effects or critical hazards.
Carcinogenicity	: No known significant effects or critical hazards.
Mutagenicity	: No known significant effects or critical hazards.
Reproductive toxicity	: No known significant effects or critical hazards.

11.2 Information on other hazards

11.2.1 Endocrine disrupting properties

Not available.

Conclusion/Summary [Product] : The product does not meet the criteria to be considered as having endocrine disrupting properties according to the criteria set out in either Regulation (EC) No. 1907/2006 or Regulation (EC) No 1272/2008.

11.2.2 Other information

Not available.

SECTION 12: Ecological information

12.1 Toxicity

Product/ingredient name

2-benzisothiazol-3(2H)-one

Result

Acute - LC50 - Fresh water

OECD [Fish, Acute Toxicity Test] Fish - Trout - *Onorhynchus Mykiss* 1.9 mg/l [96 hours]

Acute - EC50

OECD 202 [Daphnia sp. Acute Immobilization Test and Reproduction Test] Daphnia - Daphnia - *Daphnia Magna* 3.7 mg/l [48 hours]

Acute - EC50 - Marine water

OECD 201 [Alga, Growth Inhibition Test] Algae - Algae - *Skeletonema Costatum* 0.36 mg/l [72 hours]

Acute - NOEC - Marine water

OECD 201 [Alga, Growth Inhibition Test] Algae - Algae - *Skeletonema Costatum* 0.15 mg/l [72 hours]

Conclusion/Summary [Product] : Not available.

12.2 Persistence and degradability

Product/ingredient name

2-benzisothiazol-3(2H)-one

Result EU 24% [28 days]

Conclusion/Summary [Product] : Not available.

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
7,2-benzisothiazol-3(2H)-one	-	-	Inherent

12.3 Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
7,2-benzisothiazol-3(2H)-one	-	3.2	Low

12.4 Mobility in soil

Soil/water partition coefficient

Product/ingredient name	logKoc	Кос
7,2-benzisothiazol-3(2H)-one	1.86	73.142

Results of PMT and vPvM assessment

Product/ingredient name	PMT	Р	Μ	Т	vPvM	vP	vM
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)	No No						

Mobility

: Not available.

: The product does not meet the criteria to be considered as a PMT or vPvM.

12.5 Results of PBT and vPvB assessment

Date of issue/Date of revision HIRSIVAHA

Conclusion/Summary

: 17/02/2025 Date of previous issue

: 23/08/2022

SECTION 12: Ecological information

Regulation (EC) No. 1907/20	06 [REAC	н]					
Product/ingredient name	PBT	Р	В	Т	vPvB	vP	vB
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)	No No	No No	No No	No No	No No	No No	No No
Regulation (EC) No. 1272/20	08 [CLP]						
Product/ingredient name	PBT	Р	В	т	vPvB	vP	vB
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)	No No	No No	No No	No No	No No	No No	No No
Conclusion/Summary Regulation (EC) No. 1272/2 [CLP]	: 2008	₩he produc	t does not n	eet the crite	eria to be cons	idered as a	PBT or vPvB.
2.6 Endocrine disrupting pro Not available.	operties						
Conclusion/Summary [Pro	duct] :	disrupting p	properties ac	cording to t	eria to be cons he criteria set o No 1272/2008.	out in either	

12.7 Other adverse effects

No known significant effects or critical hazards.

SECTION 13: Disposal considerations

13.1 Waste treatment method	ds
Product	
Methods of disposal	: The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.
European waste catalogue (EWC)	: 080112, 200128
Packaging	
Methods of disposal	: The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.
Special precautions	: This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information

	ADR/RID	ADN	IMDG	IATA
14.1 UN number or ID number	Not regulated.	Not regulated.	Not regulated.	Not regulated.
14.2 UN proper shipping name	-	-	-	-
14.3 Transport hazard class(es)	-	-	-	-
14.4 Packing group	-	-	-	-
14.5 Environmental hazards	No.	No.	No.	No.

: Not relevant/applicable due to nature of the product.

user

14.6 Special precautions for : Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

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14.7 Maritime transport in bulk according to IMO instruments

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture EU Regulation (EC) No. 1907/2006 (REACH)

Annex XIV - List of substances subject to authorisation

Annex XIV

None of the components are listed.

Substances of very high concern

None of the components are listed.

Annex XVII - Restrictions of		ure, placing on the mar	ket and use of cer	<u>tain dangerous</u>
substances, mixtures and a	<u>irticles</u>			
Labelling	:			
Other EU regulations				
Industrial emissions (integrated pollution prevention and control) - Air	: Not listed			
Industrial emissions (integrated pollution prevention and control) - Water	: Not listed			
Explosive precursors	: Not applical	ble.		
Ozone depleting substance	es (EU 2024/59	0)		
Not listed.		_		
Prior Informed Consent (P Not listed.	'IC) (649/2012/E	<u>:U)</u>		
Persistent Organic Polluta Not listed.	<u>ints</u>			
Seveso Directive				
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SECTION 15: Regulatory information

	·	
This product is not controlled	ler the Seveso Directive.	
National regulations		
<u>Austria</u>		
Limitation of the use of organic solvents	Permitted.	
<u>Belgium</u>		
Czech Republic		
Storage code	X.	
<u>Denmark</u>		
Fire class	₩-1	
MAL-code	20-1	
Protection based on MAL	According to the regulations on work involving coded products, the stipulations apply to the use of personal protective equipment:	he following
	General: Gloves must be worn for all work that may result in soiling. A coveralls/protective clothing must be worn when soiling is so great that clothes do not adequately protect skin against contact with the product. shield must be worn in work involving spattering if a full mask is not required, other recommended use of eye protection is not required.	regular work A face
	n all spraying operations in which there is return spray, the following m respiratory protection and arm protectors/apron/coveralls/protective clo appropriate or as instructed.	
	MAL-code: 00-1 Application: When spraying in existing* spray booths, if the operator i spray zone.	is outside the
	Arm protectors must be worn.	
	During all spraying where atomisation occurs in cabins or spray booths operator is inside the spray zone and during spraying outside a closed or booth.	
	Full mask with combined filter, coveralls and hood must be worn.	
	Drying: Items for drying/drying ovens that are temporarily placed on surack trolleys, etc, must be equipped with a mechanical exhaust system fumes from wet items from passing through workers' inhalation zone.	
	Polishing: When polishing treated surfaces, a mask with dust filter mu When machine grinding, eye protection must be worn. Work gloves mu worn.	
	Caution The regulations contain other stipulations in addition to the ab	oove.
	See Regulations.	
List of undesirable substances	Not listed	
<u>Finland</u> France		
Reinforced medical surveillance	Act of July 11, 1977 determining the list of activities which require reinformed nedical surveillance: not applicable	orced
<u>Germany</u>		
Storage class (TRGS 510)	10	
Hazardous incident ordina		
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	Laboration (Contraction)	.00004

SECTION 15: Regulatory information

This product is not controlled under the Germany Hazardous Incident Ordinance.

Hazard class for water : 1

Technical instruction on air quality control (TA Luft)

Number [Class]		Description	%
5.2.1 5.2.5 5.2.5 [I]		Total dust Organic substances Organic substances	25.1 5.7 0.38
ΑΟΧ		ne product contains organically bound halogens and can contribute to the lue in waste water.	ne AOX
Italy			
D.Lgs. 152/06	: No	ot determined.	
Netherlands			
Water Discharge Policy (ABM)	: B(4) Low hazard for aquatic organisms. Decontamination effort: B	
<u>Norway</u>			
<u>Sweden</u>			
Switzerland			
VOC content	: Ex	kempt.	
nternational regulations			
	tion Lis	st Schedules I, II & III Chemicals	
Not listed.			
Montreal Protocol			
Not listed.			
Stockholm Convention on	Persis	tent Organic Pollutants	
Not listed.		u	
Rotterdam Convention on	Drior Ir	aformed Consent (PIC)	
Not listed.		normed consent (Fio)	
JNECE Aarhus Protocol or	<u>1 POPs</u>	and Heavy Metals	
Not listed.			
5.2 Chemical safety ssessment		nis product contains substances for which Chemical Safety Assessment quired.	ts are stil
ECTION 16: Other	infor	mation	
Indicates information that	has cha	anged from previously issued version.	
obreviations and		E = Acute Toxicity Estimate	
cronyms		P = Classification, Labelling and Packaging Regulation [Regulation (E0) 72/2008]	C) No.

acronyms	
	DMEL = Derived Minimal Effect Level
	DNEL = Derived No Effect Level
	EUH statement = CLP-specific Hazard statement
	N/A = Not available
	PBT = Persistent, Bioaccumulative and Toxic
	PNEC = Predicted No Effect Concentration
	RRN = REACH Registration Number
	SGG = Segregation Group
	vPvB = Very Persistent and Very Bioaccumulative

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS] Not classified.

Full text of abbreviated H statements

SECTION 16: Other information

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 classifications [CLP/GHS]

Cute Tox. 2 Acute Tox. 3 Acute Tox. 4 Aquatic Acute 1 Aquatic Chronic 1 Eye Dam. 1 Skin Corr. 1C Skin Irrit. 2 Skin Sens. 1A	ACUTE TOXICITY - Category 2 ACUTE TOXICITY - Category 3 ACUTE TOXICITY - Category 4 SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 1 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 1 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1 SKIN CORROSION/IRRITATION - Category 1C SKIN CORROSION/IRRITATION - Category 2 SKIN SENSITISATION - Category 1A	
Date of issue/ Date of revision	f : 17/02/2025	
Date of previous issue	le : 23/08/2022	
Version	: 5	

Notice to reader

The information in this SDS is based on the present state of our knowledge and on current laws. The product is not to be used for purposes other than those specified under section 1 without first obtaining written handling instructions. It is always the responsibility of the user to take all necessary steps to fulfil the demands set out in the local rules and legislation. The information in this SDS is meant to be a description of the safety requirements for our product. It is not to be considered a guarantee of the product's properties.