

SAFETY DATA SHEET

972-xxx DK Inventaremaille Type 236 Glans 5

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

1.1. Product identifier

Trade name

972-xxx DK Inventaremaille Type 236 Glans 5

Product no.

9720101

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

Relevant identified uses of the substance or mixture

Industriel vandig acrylemaille til træ, indendørs

Uses advised against

None known.

1.3. Details of the supplier of the safety data sheet

Company and address

Beck & Jørgensen A/S

Rosenkaeret 25-29

DK-2860 Søborg

Denmark

Tel: +45 39 53 03 11

Contact person

Mikael Jensen

E-mail

mij@bj.dk

Revision

6/9/2023

SDS Version

1.0

1.4. Emergency telephone number

Contact the poison hotline: +45 82 12 12 12 (24 hour service)

See section 4 "First aid measures".

SECTION 2: Hazards identification

Classified according to Regulation (EC) No. 1272/2008 (CLP).

2.1. Classification of the substance or mixture

Not classified according to Regulation (EC) No. 1272/2008 (CLP).

2.2. Label elements

Hazard pictogram(s)

Not applicable.

Signal word

Not applicable.

Hazard statement(s)

Not applicable.

Precautionary statement(s)

General

-

Prevention

-

Response

-

Storage

-

Disposal

-

Hazardous substances

None known.

Additional labelling

EUH208, Contains reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1), 1,2-benzisothiazol-3(2H)-on. May produce an allergic reaction.

EUH210, Safety data sheet available on request.

The product contains a biocidal product.

VOC

VOC content: 30 g/L

MAXIMUM VOC CONTENT (Phase II, category A/d (WB): 130 g/L)

2.3. Other hazards**Additional warnings**

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

SECTION 3: Composition/information on ingredients**3.1. Substances**

Not applicable. This product is a mixture.

3.2. Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
Titandioxid	CAS No.: 13463-67-7 EC No.: 236-675-5 REACH: 01-2119489379-17 Index No.:	15-25%		
2-butoxyethanol	CAS No.: 111-76-2 EC No.: 203-905-0 REACH: 01-2119475108-36 Index No.: 603-014-00-0	1-3%	Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Acute Tox. 4, H332	[1]
2-(2-butoxyethoxy)ethanol	CAS No.: 112-34-5 EC No.: 203-961-6 REACH: 01-2119475104-44 Index No.: 603-096-00-8	<1%	Eye Irrit. 2, H319	[1], [3]
(2-methoxymethylethoxy)propanol	CAS No.: 34590-94-8 EC No.: 252-104-2 REACH: 01-2119450011-60 Index No.:	<0.1%		
bronopol	CAS No.: 52-51-7 EC No.: 200-143-0 REACH: Index No.: 603-085-00-8	<0.05%	Acute Tox. 4, H302 Acute Tox. 4, H312 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=1)	
1,2-benzisothiazol-3(2H)-on	CAS No.: 2634-33-5 EC No.: 220-120-9 REACH: Index No.: 613-088-00-6	<0.05%	Acute Tox. 4, H302 Skin Irrit. 2, H315 Skin Sens. 1, H317 (SCL: 0.036 %) Eye Dam. 1, H318 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 2, H411	
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	CAS No.: 55965-84-9 EC No.: REACH: Index No.: 613-167-00-5	<0.0015%	EUH071 Acute Tox. 3, H301 Acute Tox. 2, H310 Skin Corr. 1C, H314 (SCL: 0.60 %) Skin Sens. 1A, H317 (SCL: 0.0015 %) Acute Tox. 2, H330 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=10)	

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

Other information

[1] European occupational exposure limit.

[3] According to REACH, Annex XVII, the substance is subject to restrictions.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet.

Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

Inhalation

Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

Skin contact

IF ON SKIN: Wash with plenty of water and soap.

Remove contaminated clothing and shoes. Ensure to wash exposed skin thoroughly with water and soap. DO NOT use solvents or thinners.

If skin irritation occurs: Get medical advice/attention.

Eye contact

Upon irritation of the eye: Remove contact lenses and open eyes widely. Flush eyes with water or saline water (20-30 °C) for at least 5 minutes. Seek medical assistance and continue flushing during transport.

Ingestion

If the person is conscious, rinse the mouth with water and stay with the person. Never give the person anything to drink.

In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the person lean forward with head down to avoid inhalation of or choking on vomited material.

Burns

Not applicable.

4.2. Most important symptoms and effects, both acute and delayed

Sensitisation: This product contains substances, which may trigger allergic reaction upon dermal contact.

Manifestation of allergic reactions typically takes place within 12-72 hours after exposure.

4.3. Indication of any immediate medical attention and special treatment needed

None known.

Information to medics

Bring this safety data sheet or the label from this product.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: Alcohol-resistant foam, carbon dioxide, powder, water mist.

Unsuitable extinguishing media: Waterjets should not be used, since they can spread the fire.

5.2. Special hazards arising from the substance or mixture

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:

Carbon oxides (CO / CO₂)

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact the chemical emergency services on 72 85 20 00 (24 h service) in order to obtain further advice.

Fire fighters should wear appropriate personal protective equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

No specific requirements.

6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc.

6.3. Methods and material for containment and cleaning up

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.

Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections

See section 13 "Disposal considerations" on handling of waste.

See section 8 "Exposure controls/personal protection" for protective measures.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Smoking, drinking and consumption of food is not allowed in the work area.

See section 8 "Exposure controls/personal protection" for information on personal protection.

7.2. Conditions for safe storage, including any incompatibilities

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Recommended storage material

Always store in containers of the same material as the original container.

Storage temperature

No specific requirements

Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Titandioxid

Long term exposure limit (8 hours) (mg/m³): 6 (som Ti)

Annotations:

K = Dusts that contain the substance on a respirable form are considered to be carcinogenic.

Quartz (SiO₂)

Long term exposure limit (8 hours) (mg/m³): 0,1(respirabel) / 0,3(total)

Annotations:

E = Substance has an EC limit.

K = Dusts that contain the substance on a respirable form are considered to be carcinogenic.

2-butoxyethanol

Long term exposure limit (8 hours) (mg/m³): 98

Long term exposure limit (8 hours) (ppm): 20

Short term exposure limit (15 minutes) (mg/m³): 246

Short term exposure limit (15 minutes) (ppm): 50

Annotations:

E = Substance has an EC limit.

H = The substance can be absorbed through the skin.

2-(2-butoxyethoxy)ethanol

Long term exposure limit (8 hours) (mg/m³): 68

Long term exposure limit (8 hours) (ppm): 10

Short term exposure limit (15 minutes) (mg/m³): 101

Short term exposure limit (15 minutes) (ppm): 15

Annotations:

E = Substance has an EC limit.

Quartz (SiO₂)

Long term exposure limit (8 hours) (mg/m³): 0,1(respirabel) / 0,3(total)

Annotations:

E = Substance has an EC limit.

K = Dusts that contain the substance on a respirable form are considered to be carcinogenic.

Statutory order 202 on exposure limits for substances and mixtures (21/02/2023)

Titandioxid is included in the national list of substances suspected of causing cancer

Quartz (SiO₂) is included in the national list of substances suspected of causing cancer

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BEK nr 1795 af 18/12/2015 om foranstaltninger til forebyggelse af kræfttrikoen ved arbejde med stoffer og materialer.

DNEL

2-(2-butoxyethoxy)ethanol

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Dermal	50 mg/kg/d
Long term – Systemic effects - Workers	Dermal	83 mg/kg/d
Long term – Local effects - General population	Inhalation	40,5 mg/m ³
Long term – Local effects - Workers	Inhalation	67,5 mg/m ³
Long term – Systemic effects - General population	Inhalation	40,5 mg/m ³
Long term – Systemic effects - Workers	Inhalation	67,5 mg/m ³
Short term – Local effects - General population	Inhalation	60,7 mg/m ³
Short term – Local effects - Workers	Inhalation	101,2 mg/m ³
Long term – Systemic effects - General population	Oral	5 mg/kg/d

2-butoxyethanol

Duration:	Route of exposure:	DNEL:
Long term – Local effects - General population	Dermal	147 mg/m ³
Long term – Systemic effects - General population	Dermal	75 mg/kg
Long term – Systemic effects - Workers	Dermal	125 mg/kg/d
Short term – Systemic effects - General population	Dermal	89 mg/kg/d
Short term – Systemic effects - Workers	Dermal	89 mg/kg
Long term – Systemic effects - General population	Inhalation	59 mg/m ³
Long term – Systemic effects - Workers	Inhalation	98 mg/kg
Short term – Local effects - Workers	Inhalation	246 mg/m ³
Short term – Systemic effects - General population	Inhalation	426 mg/m ³
Short term – Systemic effects - Workers	Inhalation	1091 mg/m ³
Long term – Systemic effects - General population	Oral	6,3 mg/kg/d
Short term – Systemic effects - General population	Oral	26,7 mg/kg/d

propylidyntrimethanol

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Dermal	0,34 mg/kg
Long term – Systemic effects - Workers	Dermal	0,94 mg/kg
Long term – Systemic effects - General population	Inhalation	0,58 mg/m ³
Long term – Systemic effects - Workers	Inhalation	3,3 mg/m ³

Titandioxid

Duration:	Route of exposure:	DNEL:
Long term – Local effects - Workers	Inhalation	10 mg/m ³
Long term – Systemic effects - General population	Oral	700 mg/kg bw/day

PNEC

2-(2-butoxyethoxy)ethanol

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater	-	1,1 mg/l
Freshwater sediment	-	4,4 mg/kg
Intermittent release	-	11 mg/l
Marine water	-	0,11 mg/l
Marine water sediment	-	0,44 mg/kg
Sewage treatment plant	-	200 mg/l
Soil	-	0,32 mg/kg

2-butoxyethanol

Route of exposure:	Duration of Exposure:	PNEC:
Activated Sludge Plant	-	463 mg/l
Freshwater	-	8,8 mg/l
Freshwater sediment	-	8,14 mg/kg
Marine water	-	0,88 mg/l
Marine water sediment	-	3,46 mg/kg
Soil	-	2,8 mg/kg

Titandioxid

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater	-	0,184 mg/l
Freshwater sediment	-	1000 mg/l
Intermittent release	-	0,193 mg/l
Marine water	-	0,0184 mg/l
Marine water sediment	-	100 mg/Kg
Sewage treatment plant	-	100 mg/l
Soil	-	100 mg/l

8.2. Exposure controls

Compliance with the given occupational exposure limits values should be controlled on a regular basis.

General recommendations

Smoking, drinking and consumption of food is not allowed in the work area.

Exposure scenarios

There are no exposure scenarios implemented for this product.

Exposure limits

Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

Appropriate technical measures

The formation of vapours must be kept at a minimum and below current limit values (see above). Installation of a local exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure eyewash and emergency showers are clearly marked.

Hygiene measures

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Always wash hands, forearms and face.

Measures to avoid environmental exposure

No specific requirements.

Individual protection measures, such as personal protective equipment




Generally

Use only CE marked protective equipment.

Respiratory Equipment

Work situation	Type	Class	Colour	Standards
Spray Application	Combination filter A2P2	Class 2	Brown/White	EN14387



Work situation	Type	Class	Colour	Standards	
	A	Class 2 (medium capacity)	Brown	EN14387	
Skin protection					
Recommended	Type/Category			Standards	
Dedicated work clothing should be worn. Wear a protective suit in the event of prolonged periods of work with the product.	-			-	
Hand protection					
Material	Glove thickness (mm)	Breakthrough time (min.)	Standards		
Nitrile	0.4	> 60	EN374-2, EN374-3, EN388		
Eye protection No specific requirements.					

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state

Liquid

Colour

Various colours

Odour / Odour threshold

Characteristic

pH

8-8,5

Density (g/cm³)

1,38

Kinematic viscosity

Testing not relevant or not possible due to the nature of the product.

Particle characteristics

Does not apply to liquids.

Phase changes

Melting point/Freezing point (°C)

Testing not relevant or not possible due to the nature of the product.

Softening point/range (waxes and pastes) (°C)

Does not apply to liquids.

Boiling point (°C)

Testing not relevant or not possible due to the nature of the product.

Vapour pressure

Testing not relevant or not possible due to the nature of the product.

Relative vapour density

Testing not relevant or not possible due to the nature of the product.

Decomposition temperature (°C)

Testing not relevant or not possible due to the nature of the product.

Data on fire and explosion hazards

Flash point (°C)

Testing not relevant or not possible due to the nature of the product.

Flammability (°C)

Testing not relevant or not possible due to the nature of the product.

Auto-ignition temperature (°C)

Testing not relevant or not possible due to the nature of the product.

Lower and upper explosion limit (% v/v)

Testing not relevant or not possible due to the nature of the product.

Solubility

Solubility in water

Completely soluble

n-octanol/water coefficient

Testing not relevant or not possible due to the nature of the product.

Solubility in fat (g/L)

Testing not relevant or not possible due to the nature of the product.

9.2. Other information

VOC (g/L)

30

Other physical and chemical parameters

No data available.

Oxidizing properties

Testing not relevant or not possible due to the nature of the product.

SECTION 10: Stability and reactivity

10.1. Reactivity

No data available.

10.2. Chemical stability

The product is stable under the conditions, noted in section 7 "Handling and storage".

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

10.6. Hazardous decomposition products

The product is not degraded when used as specified in section 1.

SECTION 11: Toxicological information

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

Acute toxicity

Product/substance	Titandioxid
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	>5000 mg/Kg ·

Product/substance	Titandioxid
Species:	Rat
Route of exposure:	Inhalation
Test:	LC50
Result:	> 3,43 - 5,09 mg/l ·

Product/substance	2-butoxyethanol
Species:	Rabbit
Route of exposure:	Dermal
Test:	LD50
Result:	210 mg/kg ·

Product/substance	2-butoxyethanol
Species:	Rabbit
Route of exposure:	Oral
Test:	LD50
Result:	300 mg/kg ·

Product/substance	2-butoxyethanol
Species:	Rat
Route of exposure:	Inhalation
Test:	LC50

Result:	2,21 mg/l/4h ·
Product/substance Species: Route of exposure: Test: Result:	2-butoxyethanol Rat Oral LD50 > 200 -< 2000 mg/kg ·
Product/substance Species: Route of exposure: Test: Result:	2-(2-butoxyethoxy)ethanol Rat Oral LD50 5660 mg/kg ·
Product/substance Species: Route of exposure: Test: Result:	2-(2-butoxyethoxy)ethanol Rabbit Dermal LD50 2700 mg/kg ·
Product/substance Species: Route of exposure: Test: Result:	2-(2-butoxyethoxy)ethanol Mouse Oral LD50 2400 mg/kg ·
Product/substance Species: Route of exposure: Test: Result:	bronopol Rat Oral LD50 307 mg/kg ·
Product/substance Species: Route of exposure: Test: Result:	bronopol Rat Dermal LD50 > 2000 mg/kg ·
Product/substance Species: Route of exposure: Test: Result:	bronopol Rabbit Dermal LD50 1600 mg/Kg ·
Product/substance Species: Route of exposure: Test: Result:	bronopol Rat Inhalation LC50 800 mg/m ³ 4 h dust/aerosol ·
Product/substance Species: Route of exposure: Test: Result:	1,2-benzisothiazol-3(2H)-on Rat Oral LD50 1193 mg/Kg ·
Product/substance Species: Route of exposure: Test: Result:	1,2-benzisothiazol-3(2H)-on Rat Dermal LD50 4115 mg/Kg ·
Product/substance Species: Route of exposure: Test:	reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) Rat Oral LD50

Result:	49,6 - 75 mg/Kg ·
Product/substance	reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)
Species:	Rat
Route of exposure:	Inhalation
Test:	LC50
Result:	0,33 mg/l, 4 h, aerosol ·
Product/substance	reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)
Species:	Rabbit
Route of exposure:	Dermal
Test:	LD50
Result:	200 - 1000 mg/Kg ·
Skin corrosion/irritation	
Product/substance	1,2-benzisothiazol-3(2H)-on
Test method:	OECD 404
Species:	Rabbit
Duration:	
Result:	Adverse effect observed (Irritating)
Serious eye damage/irritation	
Product/substance	1,2-benzisothiazol-3(2H)-on
Test method:	no guideline followed
Species:	
Duration:	
Result:	Adverse effect observed (Causes serious eye damage)
Respiratory sensitisation	
Based on available data, the classification criteria are not met.	
Skin sensitisation	
Product/substance	1,2-benzisothiazol-3(2H)-on
Species:	Human
Result:	Adverse effect observed (sensitising)
Other information:	Can course allergic reaction at skin contact
Product/substance	reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)
Species:	Human
Result:	Adverse effect observed (sensitising)
Other information:	Can course allergic reaction at skin contact
Germ cell mutagenicity	
Product/substance	bronopol
Test method:	OECD 473
Species:	
Conclusion:	No adverse effect observed
Product/substance	reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)
Species:	
Conclusion:	No adverse effect observed
Carcinogenicity	
Product/substance	bronopol
Species:	
Route of exposure:	
Target organ:	
Duration:	
Test:	
Result:	
Conclusion:	No adverse effect observed
Product/substance	reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)
Species:	
Route of exposure:	
Target organ:	
Duration:	
Test:	
Result:	
Conclusion:	No adverse effect observed

Reproductive toxicity

Product/substance bronopol
 Species:
 Duration:
 Test:
 Result:
 Conclusion: No adverse effect observed

Product/substance reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)
 Species:
 Duration:
 Test:
 Result:
 Conclusion: No adverse effect observed

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

11.2. Information on other hazards

Long term effects

None known.

Endocrine disrupting properties

Not applicable.

Other information

Titandioxid has been classified by IARC as a group 2B carcinogen.

Quartz (SiO₂) has been classified by IARC as a group 1 carcinogen.

2-butoxyethanol has been classified by IARC as a group 3 carcinogen.

Quartz (SiO₂) has been classified by IARC as a group 1 carcinogen.

SECTION 12: Ecological information

12.1. Toxicity

Product/substance Titandioxid
 Species: Fish
 Duration: 96 hours
 Test: LC50
 Result: >1000 mg/l ·

Product/substance Titandioxid
 Species: Daphnia
 Duration: 48 hours
 Test: EC50
 Result: >1000 mg/l ·

Product/substance Titandioxid
 Species: Algae
 Duration: 72 hours
 Test: EC50
 Result: 61 mg/l ·

Product/substance 2-butoxyethanol
 Species: Fish
 Duration: 96 hours
 Test: LC50
 Result: 820 - 1490 mg/l ·

Product/substance 2-butoxyethanol
 Species: Daphnia
 Duration: 48 hours
 Test: EC50
 Result: 835 - 1550 mg/l ·

Product/substance 2-butoxyethanol

Species:	Algae
Duration:	72 hours
Test:	IC50
Result:	1840 mg/l ·
Product/substance	2-(2-butoxyethoxy)ethanol
Species:	Fish
Duration:	96 hours
Test:	LC50
Result:	2700 mg/l ·
Product/substance	2-(2-butoxyethoxy)ethanol
Species:	Daphnia
Duration:	48 hours
Test:	LC50
Result:	1000 mg/l ·
Product/substance	2-(2-butoxyethoxy)ethanol
Species:	Algae
Duration:	96 hours
Test:	EC50
Result:	100 mg/l ·
Product/substance	bronopol
Species:	Fish
Duration:	96 hours
Test:	LC50
Result:	3 mg/l ·
Product/substance	bronopol
Species:	Daphnia
Duration:	48 hours
Test:	EC50
Result:	1,04 mg/l ·
Product/substance	bronopol
Species:	Algae
Duration:	72 hours
Test:	EC50
Result:	0,068 mg/l ·
Product/substance	bronopol
Species:	Daphnia
Duration:	21 days
Test:	NOEC
Result:	0,06 mg/l ·
Product/substance	bronopol
Species:	Fish
Duration:	28 days
Test:	NOEC
Result:	2,61 mg/l ·
Product/substance	bronopol
Species:	Algae
Duration:	72 hours
Test:	NOEC
Result:	0,0025 mg/l ·
Product/substance	1,2-benzisothiazol-3(2H)-on
Species:	Fish
Duration:	96 hours
Test:	LC50
Result:	1,3 mg/l ·
Product/substance	1,2-benzisothiazol-3(2H)-on
Species:	Daphnia

Duration:	96 hours
Test:	EC50
Result:	1,5 mg/l ·
Product/substance	1,2-benzisothiazol-3(2H)-on
Species:	Algae
Duration:	48 hours
Test:	EC50
Result:	0,055 mg/l ·
Product/substance	1,2-benzisothiazol-3(2H)-on
Species:	Daphnia
Duration:	48 hours
Test:	EC50
Result:	2,94 mg/l ·
Product/substance	1,2-benzisothiazol-3(2H)-on
Species:	Algae
Duration:	24 hours
Test:	EC50
Result:	0,11 mg/l ·
Product/substance	1,2-benzisothiazol-3(2H)-on
Species:	Fish
Duration:	No data available.
Test:	NOEC
Result:	0,21 mg/l ·
Product/substance	1,2-benzisothiazol-3(2H)-on
Species:	Daphnia
Duration:	21 days
Test:	NOEC
Result:	1,2 mg/l ·
Product/substance	reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)
Species:	Fish
Duration:	96 hours
Test:	LC50
Result:	0,19 mg/l ·
Product/substance	reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)
Species:	Daphnia
Duration:	48 hours
Test:	EC50
Result:	0,10 mg/l ·
Product/substance	reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)
Species:	Algae
Duration:	72 hours
Test:	EC50
Result:	0,048 mg/l ·
Product/substance	reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)
Species:	Algae
Duration:	96 hours
Test:	NOEC
Result:	0,032 mg/l ·
Product/substance	reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)
Species:	Daphnia
Duration:	21 days
Test:	EC50
Result:	> 1 mg/l ·
Product/substance	reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)
Species:	Fish
Duration:	96 hours

Test:	LC50
Result:	0,58 mg/l ·
Product/substance	reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)
Species:	Fish
Duration:	34 d.
Test:	NOEC
Result:	0,5 mg/l ·
Product/substance	reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)
Species:	Algae
Duration:	48 hours
Test:	NOEC
Result:	0,00064 mg/l ·
Product/substance	reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)
Species:	Daphnia
Duration:	21 days
Test:	NOEC
Result:	0,004 mg/l ·
Product/substance	reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)
Species:	Fish
Duration:	28 days
Test:	NOEC
Result:	0,098 mg/l ·
Product/substance	reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)
Species:	Algae
Duration:	72 hours
Test:	NOEC
Result:	0,0012 mg/l ·

12.2. Persistence and degradability

Product/substance	2-butoxyethanol
Biodegradable:	Yes
Test method:	OECD 301 C
Result:	88% efter 28 dage

Product/substance	1,2-benzisothiazol-3(2H)-on
Biodegradable:	Yes
Test method:	
Result:	

12.3. Bioaccumulative potential

Product/substance	2-butoxyethanol
Test method:	
Potential bioaccumulation:	No
LogPow:	0,8000
BCF:	2,5
Other information:	

Product/substance	bronopol
Test method:	
Potential bioaccumulation:	No data available.
LogPow:	0,1700
BCF:	3,6
Other information:	

Product/substance	1,2-benzisothiazol-3(2H)-on
Test method:	
Potential bioaccumulation:	No
LogPow:	1,3000
BCF:	No data available.
Other information:	

Product/substance	reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)
Test method:	

Potential bioaccumulation: No
 LogPow: 0,4000
 BCF: 3,6
 Other information:

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

12.6. Endocrine disrupting properties

Not applicable.

12.7. Other adverse effects

None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product is not covered by regulations on dangerous waste.
 Commission Regulation (EU) No 1357/2014 of 18 December 2014 on waste.

EWC code

08 01 12 Waste paint and varnish other than those mentioned in 08 01 11

Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

SECTION 14: Transport information

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Packing group

** Environmental hazards

Additional information

Not dangerous goods according to ADR, IATA and IMDG.

14.6. Special precautions for user

Not applicable.

14.7. Maritime transport in bulk according to IMO instruments

No data available.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Restrictions for application

Restricted to professional users.

People under the age of 18 shall not be exposed to this product.

Pregnant women and women breastfeeding must not be exposed to this product. The risk, and possible technical precautions or design of the workplace needed to eliminate exposure, must be considered.

Demands for specific education

No specific requirements.

SEVESO - Categories / dangerous substances

Not applicable.

Additional information

Not applicable.

Sources

The Danish Working Environment Authority's executive order no. 239 of 6 April 2005 on young people's work.

Based on Council Directive 94/33 / EC of 22 June 1994 on the protection of young people at work.

Pregnant workers and workers who are breastfeeding (AT Guide A.1.8-6, amended 2020).

Regulation (EU) No 528/2012 of the European Parliament and of the Council of 22 May 2012 concerning the making available on the market and use of biocidal products.

Executive Order no. 1369 of 25 November 2015 on the marketing and labeling of volatile organic compounds in certain paints and varnishes as well as products for car repair painting.
Commission Regulation (EU) No 1357/2014 of 18 December 2014 on waste.
Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (CLP).
Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

15.2. Chemical safety assessment

No

SECTION 16: Other information

Full text of H-phrases as mentioned in section 3

EUH071, Corrosive to the respiratory tract.
H301, Toxic if swallowed.
H302, Harmful if swallowed.
H310, Fatal in contact with skin.
H312, Harmful 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.
H319, Causes serious eye irritation.
H330, Fatal if inhaled.
H332, Harmful if inhaled.
H335, May cause respiratory irritation.
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.

Abbreviations and acronyms

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway
ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
CAS = Chemical Abstracts Service
CE = Conformité Européenne (European conformity)
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
CSA = Chemical Safety Assessment
CSR = Chemical Safety Report
DMEL = Derived Minimal Effect Level
DNEL = Derived No Effect Level
EINECS = European Inventory of Existing Commercial chemical Substances
ES = Exposure Scenario
EUH statement = CLP-specific Hazard statement
EWC = European Waste Catalogue
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IARC = International Agency for Research on Cancer (IARC)
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
OECD = Organisation for Economic Co-operation and Development
PBT = Persistent, Bioaccumulative and Toxic
PNEC = Predicted No Effect Concentration
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
RRN = REACH Registration Number
SCL = A specific concentration limit
SVHC = Substances of Very High Concern
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure
STOT-SE = Specific Target Organ Toxicity - Single Exposure
TWA = Time weighted average
UN = United Nations
UVBC = Unknown or variable composition, complex reaction products or of biological materials
VOC = Volatile Organic Compound

vPvB = Very Persistent and Very Bioaccumulative

Additional information

Not applicable.

The safety data sheet is validated by

MIJ

Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a blue triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

Country-language: DK-en