



## SAFETY DATA SHEET

# 973-xxx DK Inventaremaille Type 236 klar gl.30

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

#### 1.1. Product identifier

##### Trade name

973-xxx DK Inventaremaille Type 236 klar gl.30

##### Product no.

9731010

#### 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: 50 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	3-5%	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	1-3%	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%		
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	
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)	
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one	CAS No.: 55965-84-9 EC No.:	<0.0015%	EUH071 Acute Tox. 3, H301	



According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

and 2-methyl-2H-isothiazol-3-one (3:1)	REACH: Index No.: 613-167-00-5	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)
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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 / CO<sub>2</sub>)

### 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/m<sup>3</sup>): 6 (som Ti)

Annotations:

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

#### 2-butoxyethanol

Long term exposure limit (8 hours) (mg/m<sup>3</sup>): 98

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

Short term exposure limit (15 minutes) (mg/m<sup>3</sup>): 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/m<sup>3</sup>): 68

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

Short term exposure limit (15 minutes) (mg/m<sup>3</sup>): 101

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

Annotations:

E = Substance has an EC limit.

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

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

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

**DNEL**

2-(2-butoxyethoxy)ethanol

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

2-butoxyethanol

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

Titandioxid

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

**PNEC**

2-(2-butoxyethoxy)ethanol

<b>Route of exposure:</b>	<b>Duration of Exposure:</b>	<b>PNEC:</b>
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

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Soil	-	0,32 mg/kg
<b>2-butoxyethanol</b>		
<b>Route of exposure:</b>	<b>Duration of Exposure:</b>	<b>PNEC:</b>
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
<b>Titandioxid</b>		
<b>Route of exposure:</b>	<b>Duration of Exposure:</b>	<b>PNEC:</b>
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

In the event the work process is within scope of the Danish statutory order on work with code numbered products (Work Inspectorate Order no. 302/1993), then personal protection equipment shall be selected as set out herein. If applicable, please refer to the code number of this product in section 15.


Use only CE marked protective equipment.

### Respiratory Equipment

Work situation	Type	Class	Colour	Standards	
Spray Application	Combination filter A2P3	Class 2/3	Brown/White	EN14387	
	A	Class 2 (medium capacity)	Brown	EN14387	

### Skin protection

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

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.	-	-	
<b>Hand protection</b>			
Material	Glove thickness (mm)	Breakthrough time (min.)	Standards
Nitrile	0.4	> 60	EN374-2, EN374-3, EN388
<b>Eye protection</b> 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/cm<sup>3</sup>)

1,21

#### 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)

1

##### 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)**

50

**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



According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

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

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Route of exposure: Oral  
 Test: 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:

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

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.

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

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

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	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 ·

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Product/substance	1,2-benzisothiazol-3(2H)-on
Species:	Daphnia
Duration:	21 days
Test:	NOEC
Result:	1,2 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	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

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

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	1,2-benzisothiazol-3(2H)-on
Test method:	

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Potential bioaccumulation: No  
 LogPow: 1,3000  
 BCF: No data available.  
 Other information:

Product/substance bronopol  
 Test method:  
 Potential bioaccumulation: No data available.  
 LogPow: 0,1700  
 BCF: 3,6  
 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 11\* Waste paint and varnish containing organic solvents or other dangerous substances

#### 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

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

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

Code number (1993): 0-1

#### 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.

Arbejdstilsynets bekendtgørelse nr. 301 af 13. maj 1993 om fastsættelse af kodenumre med senere ændringer.

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

H302, Harmful 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

EWG = European Waste Catalogue





According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

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