

## SAFETY DATA SHEET

# 923 DK2 Spærreprimer T123

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

### 1.1. Product identifier

Trade name

923 DK2 Spærreprimer T123

Product no.

923120

Unique formula identifier (UFI)

X000-AOPG-V008-2RX9

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

Relevant identified uses of the substance or mixture

Industriel primer til grunding af træ

Uses advised against

No special

### 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

miljo@bj.dk

Revision

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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

### 2.1. Classification of the substance or mixture

Skin Irrit. 2; H315, Causes skin irritation.

Eye Irrit. 2; H319, Causes serious eye irritation.

Aquatic Chronic 3; H412, Harmful to aquatic life with long lasting effects.

### 2.2. Label elements

Hazard pictogram(s)



Signal word

Warning

Hazard statement(s)

Causes skin irritation. (H315)  
 Causes serious eye irritation. (H319)  
 Harmful to aquatic life with long lasting effects. (H412)

#### Safety statement(s)

##### General

-

##### Prevention

Wear eye protection/protective gloves/protective clothing. (P280)  
 Wash hands thoroughly after handling. (P264)  
 Avoid release to the environment. (P273)

##### Response

If eye irritation persists: Get medical advice/attention. (P337+P313)  
 Collect spillage. (P391)

##### Storage

-

##### Disposal

-

#### Hazardous substances

No special

#### Additional labelling

EUH208, Contains reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1), 3-iodo-2-propynyl butylcarbamate 3-iodoprop-2-yn-1-yl butylcarbamate . May produce an allergic reaction.  
 This paint contains a biocidal product for the preservation of the dry film.

### 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.

#### VOC

VOC content: 22 g/L

MAXIMUM VOC CONTENT (Phase II, category A/g (WB): 30 g/L)

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
Titandioxid	CAS No.: 13463-67-7	10-15%		
	EC No.: 236-675-5			
	REACH: 01-2119489379-17			
	Index No.:			
2-(2-butoxyethoxy)ethanol	CAS No.: 112-34-5	1-3%	Eye Irrit. 2, H319	[1], [3]
	EC No.: 203-961-6			
	REACH: 01-2119475104-44			
	Index No.: 603-096-00-8			
ammonia ....%	CAS No.: 1336-21-6	<1%	Skin Corr. 1B, H314 STOT SE 3, H335 Aquatic Acute 1, H400 (M=1)	

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

	EC No.: 215-647-6		Aquatic Chronic 2, H411
	REACH: 01-2119488876-14		
	Index No.: 007-001-01-2		
zinc oxide	CAS No.: 1314-13-2	<1%	Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1)
	EC No.: 215-222-5		
	REACH: 01-2119463881-32		
	Index No.: 030-013-00-7		
3-iodo-2-propynyl butylcarbamate 3-iodoprop-2-yn-1-yl butylcarbamate	CAS No.: 55406-53-6	<1%	Acute Tox. 4, H302 Skin Sens. 1, H317 Eye Dam. 1, H318 Acute Tox. 3, H331 STOT RE 1, H372 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=1)
	EC No.: 259-627-5		
	REACH:		
	Index No.: 616-212-00-7		
bronopol	CAS No.: 52-51-7	<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)
	EC No.: 200-143-0		
	REACH:		
	Index No.: 603-085-00-8		
1,2-benzisothiazol-3(2H)-on	CAS No.: 2634-33-5	<0.01%	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
	EC No.: 220-120-9		
	REACH:		
	Index No.: 613-088-00-6		
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	<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)
	EC No.:		
	REACH:		
	Index No.: 613-167-00-5		

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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] The chemical substance is subject to REACH restrictions, REACH annex XVII.

## 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. Flush eyes immediately with plenty of water or isotonic water (20-30°C) for at least 5 minutes and continue until irritation stops. Make sure to flush under upper and lower eyelids. If irritation continues, contact a doctor. Continue flushing during transport.

#### Ingestion

Provide plenty of water for the person to drink and stay with him/her. 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 victim 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

Irritation effects: This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.

This product contains substances that may trigger an allergic reaction to predisposed persons.

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

If eye irritation persists: Get medical advice/attention.

#### 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>).

Some metal oxides.

#### 5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact The National Poisons Information Service (dial 111, 24 h service) in order to obtain further advice.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

Avoid direct contact with spilled substances.

#### 6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc. In the event of leakage to the surroundings, contact local environmental authorities.

#### 6.3. Methods and material for containment and cleaning up

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

Use sand, earth, vermiculite, diatomaceous earth to contain and collect non-combustible absorbent materials and place in container for disposal, according to local regulations.

To the extent possible cleaning is performed with normal cleaning agents. Avoid use of solvents.

#### 6.4. Reference to other sections

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

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

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

It is recommended to install waste collection trays in order to prevent emissions to the waste water system and surrounding environment.

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-(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

—  
zinc oxide

Long term exposure limit (8 hours) (mg/m<sup>3</sup>): 4 (som Zn)

Statutory order 1054 on exposure limits for substances and mixtures (28/06/2022)

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

Duration	Route of exposure	DNEL
Long term – Systemic effects - General population	Dermal	50 mg/kg/d

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

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

#### ammonia ....%

Duration	Route of exposure	DNEL
Long term – Systemic effects - General population	Dermal	68 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	6,8 mg/kg bw/day
Short term – Systemic effects - General population	Dermal	68 mg/kg bw/day
Short term – Systemic effects - Workers	Dermal	6,8 mg/kg bw/day
Long term – Local effects - General population	Inhalation	2,8 mg/m <sup>3</sup>
Long term – Local effects - Workers	Inhalation	14 mg/m <sup>3</sup>
Long term – Systemic effects - General population	Inhalation	23,8 mg/m <sup>3</sup>
Long term – Systemic effects - Workers	Inhalation	47,6 mg/m <sup>3</sup>
Short term – Local effects - General population	Inhalation	7,2 mg/m <sup>3</sup>
Short term – Local effects - Workers	Inhalation	36 mg/m <sup>3</sup>
Short term – Systemic effects - General population	Inhalation	23,8 mg/m <sup>3</sup>
Short term – Systemic effects - Workers	Inhalation	47,6 mg/m <sup>3</sup>
Long term – Systemic effects - General population	Oral	6,8 mg/kg bw/day
Short term – Systemic effects - General population	Oral	6,8 mg/kg bw/day

#### Titandioxid

Duration	Route of exposure	DNEL
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

##### 3-iodo-2-propynyl butylcarbamate 3-iodoprop-2-yn-1-yl butylcarbamate

Route of exposure	Duration of Exposure	PNEC
Soil	Single	0,005 mg/l
Water	Single	0,0005 mg/l

##### 2-(2-butoxyethoxy)ethanol

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

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

**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 emergency eyewash and -showers are clearly marked.

### Hygiene measures

Take off contaminated clothing and wash it before reuse.

### Measures to avoid environmental exposure

No specific requirements

### Individual protection measures, such as personal protective equipment

#### Generally

Only CE-marked personal protection equipment should be used.

Use only CE marked protective equipment.

#### Respiratory Equipment

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

Work situation	Type	Class	Colour	Standards	
	Combination Filter A2B2E2K2	Class 2 (medium capacity)	Brown/Gray/Yellow/Green	EN14387	
Non industrial spraying	Combination filter A2B2E2K2-P3		Brown/Gray/Yellow/Green/White	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	
Cotton/Latex	-	> 30	EN374-2, EN374-3, EN388	

### Eye protection

Type	Standards	
Safety glasses	EN166	

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

#### Physical state

Liquid

#### Colour

White

#### Odour / Odour threshold

Sharp/pungent

#### pH

9 - 11

#### Density (g/cm<sup>3</sup>)

1,3

#### Kinematic viscosity

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



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

Does not apply to liquids.

#### Boiling point (°C)

100

#### Vapour pressure

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

#### Relative vapour density

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

#### Decomposition temperature (°C)

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

#### Data on fire and explosion hazards

##### Flash point (°C)

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

##### Ignition (°C)

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

##### Auto flammability (°C)

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

##### Lower and upper explosion limit (% v/v)

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

#### Solubility

##### Solubility in water

Completely soluble

##### n-octanol/water coefficient

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

##### Solubility in fat (g/L)

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

#### 9.2. Other information

##### VOC (g/L)

22

##### Other physical and chemical parameters

No data available

### 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

No special

#### 10.4. Conditions to avoid

No special

#### 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
Test method	

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

Species	Rat
Route of exposure	Oral
Test	LD50
Result	>5000 mg/Kg ·
Other information	

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

Product/substance	2-(2-butoxyethoxy)ethanol
Test method	
Species	Rat
Route of exposure	Oral
Test	LD50
Result	5660 mg/kg ·
Other information	

Product/substance	2-(2-butoxyethoxy)ethanol
Test method	
Species	Rabbit
Route of exposure	Dermal
Test	LD50
Result	2700 mg/kg ·
Other information	

Product/substance	2-(2-butoxyethoxy)ethanol
Test method	
Species	Mouse
Route of exposure	Oral
Test	LD50
Result	2400 mg/kg ·
Other information	

Product/substance	3-iodo-2-propynyl butylcarbamate 3-iodoprop-2-yn-1-yl butylcarbamate
Test method	
Species	Rat
Route of exposure	Oral
Test	LD50
Result	300-500 mg/kg ·
Other information	

Product/substance	3-iodo-2-propynyl butylcarbamate 3-iodoprop-2-yn-1-yl butylcarbamate
Test method	
Species	Rat
Route of exposure	Inhalation
Test	LC50
Result	6,89 mg/l (4 h) ·

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

Other information

Product/substance 3-iodo-2-propynyl butylcarbamate 3-iodoprop-2-yn-1-yl butylcarbamate  
 Test method  
 Species Rabbit  
 Route of exposure Dermal  
 Test LD50  
 Result > 2000 mg/kg ·  
 Other information

Product/substance 3-iodo-2-propynyl butylcarbamate 3-iodoprop-2-yn-1-yl butylcarbamate  
 Test method  
 Species Rat  
 Route of exposure Oral  
 Test LC50  
 Result 670 mg/m<sup>3</sup> (4 h, dust) ·  
 Other information

Product/substance bronopol  
 Test method  
 Species Rat  
 Route of exposure Oral  
 Test LD50  
 Result 307 mg/kg ·  
 Other information

Product/substance bronopol  
 Test method  
 Species Rat  
 Route of exposure Dermal  
 Test LD50  
 Result > 2000 mg/kg ·  
 Other information

Product/substance bronopol  
 Test method  
 Species Rabbit  
 Route of exposure Dermal  
 Test LD50  
 Result 1600 mg/Kg ·  
 Other information

Product/substance bronopol  
 Test method  
 Species Rat  
 Route of exposure Inhalation  
 Test LC50  
 Result 800 mg/m<sup>3</sup> 4 h dust/aerosol ·  
 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

Species	Rat
Route of exposure	Oral
Test	LD50
Result	1193 mg/Kg ·
Other information	

Product/substance	1,2-benzisothiazol-3(2H)-on
Test method	
Species	Rat
Route of exposure	Dermal
Test	LD50
Result	4115 mg/Kg ·
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	
Species	Rat
Route of exposure	Oral
Test	LD50
Result	49,6 - 75 mg/Kg ·
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	
Species	Rat
Route of exposure	Inhalation
Test	LC50
Result	0,33 mg/l, 4 h, aerosol ·
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	
Species	Rabbit
Route of exposure	Dermal
Test	LD50
Result	200 - 1000 mg/Kg ·
Other information	

#### Skin corrosion/irritation

Product/substance	1,2-benzisothiazol-3(2H)-on
Test method	OECD 404
Species	Rabbit
Duration	
Result	Adverse effect observed (Irritating)
Other information	

Causes skin irritation.

#### 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)  
 Other information

Causes serious eye irritation.

#### Respiratory sensitisation

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

#### Skin sensitisation

Product/substance 1,2-benzisothiazol-3(2H)-on  
 Test method  
 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)  
 Test method  
 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  
 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  
 Species  
 Conclusion No adverse effect observed  
 Other information

#### Carcinogenicity

Product/substance bronopol  
 Test method  
 Species  
 Route of exposure  
 Target organ  
 Duration  
 Test  
 Result  
 Conclusion No adverse effect observed  
 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  
 Species  
 Route of exposure  
 Target organ

Duration  
 Test  
 Result  
 Conclusion No adverse effect observed  
 Other information

### Reproductive toxicity

Product/substance bronopol  
 Test method  
 Species  
 Duration  
 Test  
 Result  
 Conclusion No adverse effect observed  
 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  
 Species  
 Duration  
 Test  
 Result  
 Conclusion No adverse effect observed  
 Other information

### 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

Irritation effects: This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.

### Endocrine disrupting properties

No special

### Other information

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

Talc has been classified by IARC as a group 2B / 3 (Talc not containing asbestos or asbestiform fibres) carcinogen.

## SECTION 12: Ecological information

### 12.1. Toxicity

Product/substance Titandioxid  
 Test method  
 Species Fish  
 Compartment  
 Duration 96 hours  
 Test LC50

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

Result >1000 mg/l ·  
Other information

Product/substance Titandioxid  
Test method  
Species Daphnia  
Compartment  
Duration 48 hours  
Test EC50  
Result >1000 mg/l ·  
Other information

Product/substance Titandioxid  
Test method  
Species Algae  
Compartment  
Duration 72 hours  
Test EC50  
Result 61 mg/l ·  
Other information

Product/substance 2-(2-butoxyethoxy)ethanol  
Test method  
Species Fish  
Compartment  
Duration 96 hours  
Test LC50  
Result 2700 mg/l ·  
Other information

Product/substance 2-(2-butoxyethoxy)ethanol  
Test method  
Species Daphnia  
Compartment  
Duration 48 hours  
Test LC50  
Result 1000 mg/l ·  
Other information

Product/substance 2-(2-butoxyethoxy)ethanol  
Test method  
Species Algae  
Compartment  
Duration 96 hours  
Test EC50  
Result 100 mg/l ·  
Other information

Product/substance ammonia ....%  
Test method  
Species Fish  
Compartment

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

Duration 96 hours  
 Test LC50  
 Result 0,89 mg/l ·  
 Other information

Product/substance ammonia ....%  
 Test method  
 Species Daphnia  
 Compartment  
 Duration 48 hours  
 Test LC50  
 Result 101 mg/l ·  
 Other information

Product/substance ammonia ....%  
 Test method  
 Species Algae  
 Compartment  
 Duration 18 d.  
 Test EC50  
 Result 2700 mg/l ·  
 Other information

Product/substance ammonia ....%  
 Test method  
 Species Fish  
 Compartment  
 Duration 73 d.  
 Test LOEC  
 Result 0,022 mg/l ·  
 Other information

Product/substance ammonia ....%  
 Test method  
 Species Daphnia  
 Compartment  
 Duration 96 hours  
 Test NOEC  
 Result 0,79 mg/l ·  
 Other information

Product/substance zinc oxide  
 Test method  
 Species Fish  
 Compartment  
 Duration 96 hours  
 Test LC50  
 Result 0,14 mg/l ·  
 Other information

Product/substance zinc oxide  
 Test method



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

Species	Daphnia
Compartment	
Duration	48 hours
Test	EC50
Result	0,07 mg/l ·
Other information	

Product/substance	zinc oxide
Test method	
Species	Algae
Compartment	
Duration	72 hours
Test	EC50
Result	0,14 mg/l ·
Other information	

Product/substance	3-iodo-2-propynyl butylcarbamate 3-iodoprop-2-yn-1-yl butylcarbamate
Test method	
Species	Fish
Compartment	
Duration	96 hours
Test	LC50
Result	0,049 mg/l ·
Other information	

Product/substance	3-iodo-2-propynyl butylcarbamate 3-iodoprop-2-yn-1-yl butylcarbamate
Test method	
Species	Daphnia
Compartment	
Duration	48 hours
Test	EC50
Result	0,160 mg/l ·
Other information	

Product/substance	3-iodo-2-propynyl butylcarbamate 3-iodoprop-2-yn-1-yl butylcarbamate
Test method	
Species	Algae
Compartment	
Duration	72 hours
Test	IC50
Result	0,022 mg/l ·
Other information	

Product/substance	3-iodo-2-propynyl butylcarbamate 3-iodoprop-2-yn-1-yl butylcarbamate
Test method	
Species	Daphnia
Compartment	
Duration	21 days
Test	NOEC
Result	1,3 mg/l ·
Other information	

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

Product/substance	3-iodo-2-propynyl butylcarbamate 3-iodoprop-2-yn-1-yl butylcarbamate
Test method	
Species	Fish
Compartment	
Duration	21 days
Test	NOEC
Result	0,01 mg/l ·
Other information	

Product/substance	3-iodo-2-propynyl butylcarbamate 3-iodoprop-2-yn-1-yl butylcarbamate
Test method	
Species	Daphnia
Compartment	
Duration	21 days
Test	EC50
Result	0,05 mg/l ·
Other information	

Product/substance	3-iodo-2-propynyl butylcarbamate 3-iodoprop-2-yn-1-yl butylcarbamate
Test method	
Species	Fish
Compartment	
Duration	35 d.
Test	NOEC
Result	0,0084 mg/l ·
Other information	

Product/substance	3-iodo-2-propynyl butylcarbamate 3-iodoprop-2-yn-1-yl butylcarbamate
Test method	
Species	Algae
Compartment	
Duration	72 hours
Test	NOEC
Result	0,0046 mg/l ·
Other information	

Product/substance	bronopol
Test method	
Species	Fish
Compartment	
Duration	96 hours
Test	LC50
Result	3 mg/l ·
Other information	

Product/substance	bronopol
Test method	
Species	Daphnia
Compartment	
Duration	48 hours
Test	EC50
Result	1,04 mg/l ·

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

Other information

Product/substance bronopol  
 Test method  
 Species Algae  
 Compartment  
 Duration 72 hours  
 Test EC50  
 Result 0,068 mg/l ·  
 Other information

Product/substance bronopol  
 Test method  
 Species Daphnia  
 Compartment  
 Duration 21 days  
 Test NOEC  
 Result 0,06 mg/l ·  
 Other information

Product/substance bronopol  
 Test method  
 Species Fish  
 Compartment  
 Duration 28 days  
 Test NOEC  
 Result 2,61 mg/l ·  
 Other information

Product/substance bronopol  
 Test method  
 Species Algae  
 Compartment  
 Duration 72 hours  
 Test NOEC  
 Result 0,0025 mg/l ·  
 Other information

Product/substance 1,2-benzisothiazol-3(2H)-on  
 Test method  
 Species Fish  
 Compartment  
 Duration 96 hours  
 Test LC50  
 Result 1,3 mg/l ·  
 Other information

Product/substance 1,2-benzisothiazol-3(2H)-on  
 Test method  
 Species Daphnia  
 Compartment  
 Duration 96 hours

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

Test EC50  
 Result 1,5 mg/l ·  
 Other information

Product/substance 1,2-benzisothiazol-3(2H)-on  
 Test method  
 Species Algae  
 Compartment  
 Duration 48 hours  
 Test EC50  
 Result 0,055 mg/l ·  
 Other information

Product/substance 1,2-benzisothiazol-3(2H)-on  
 Test method  
 Species Daphnia  
 Compartment  
 Duration 48 hours  
 Test EC50  
 Result 2,94 mg/l ·  
 Other information

Product/substance 1,2-benzisothiazol-3(2H)-on  
 Test method  
 Species Algae  
 Compartment  
 Duration 24 hours  
 Test EC50  
 Result 0,11 mg/l ·  
 Other information

Product/substance 1,2-benzisothiazol-3(2H)-on  
 Test method  
 Species Fish  
 Compartment  
 Duration No data available.  
 Test NOEC  
 Result 0,21 mg/l ·  
 Other information

Product/substance 1,2-benzisothiazol-3(2H)-on  
 Test method  
 Species Daphnia  
 Compartment  
 Duration 21 days  
 Test NOEC  
 Result 1,2 mg/l ·  
 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  
 Species Fish

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

Compartment	
Duration	96 hours
Test	LC50
Result	0,19 mg/l ·
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	
Species	Daphnia
Compartment	
Duration	48 hours
Test	EC50
Result	0,10 mg/l ·
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	
Species	Algae
Compartment	
Duration	72 hours
Test	EC50
Result	0,048 mg/l ·
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	
Species	Algae
Compartment	
Duration	96 hours
Test	NOEC
Result	0,032 mg/l ·
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	
Species	Daphnia
Compartment	
Duration	21 days
Test	EC50
Result	> 1 mg/l ·
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	
Species	Fish
Compartment	
Duration	96 hours
Test	LC50
Result	0,58 mg/l ·
Other information	
Product/substance	reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)

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

Test method	
Species	Fish
Compartment	
Duration	34 d.
Test	NOEC
Result	0,5 mg/l ·
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	
Species	Algae
Compartment	
Duration	48 hours
Test	NOEC
Result	0,00064 mg/l ·
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	
Species	Daphnia
Compartment	
Duration	21 days
Test	NOEC
Result	0,004 mg/l ·
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	
Species	Fish
Compartment	
Duration	28 days
Test	NOEC
Result	0,098 mg/l ·
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	
Species	Algae
Compartment	
Duration	72 hours
Test	NOEC
Result	0,0012 mg/l ·
Other information	

## 12.2. Persistence and degradability

Product/substance	3-iodo-2-propynyl butylcarbamate 3-iodoprop-2-yn-1-yl butylcarbamate
Biodegradable	Yes
Test method	
Result	
Product/substance	1,2-benzisothiazol-3(2H)-on

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

Biodegradable	Yes
Test method	
Result	

### 12.3. Bioaccumulative potential

Product/substance	ammonia ....%
Test method	
Potential bioaccumulation	No data available
LogPow	-0,6400
BCF	No data available
Other information	

Product/substance	3-iodo-2-propynyl butylcarbamate 3-iodoprop-2-yn-1-yl butylcarbamate
Test method	
Potential bioaccumulation	No
LogPow	2,8100
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	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

No special

### 12.7. Other adverse effects

This product contains substances that are toxic to the environment. May result in adverse effects to aquatic organisms.

This product contains substances, which may cause adverse long-term effects to the aquatic environment.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Product is covered by the regulations on hazardous waste.

HP 14 – Ecotoxic

Dispose of contents/container to an approved waste disposal plant.

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

### Specific labelling

Not applicable

### 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.

#### Demands for specific education

No specific requirements

#### SEVESO - Categories / dangerous substances

Not applicable

#### Additional information

Code number (1993): 2-1.

#### Sources

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.

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

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.  
H331, Toxic if inhaled.  
H335, May cause respiratory irritation.  
H372, Causes damage to organs through prolonged or repeated exposure.  
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  
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

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

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

The classification of the substance/mixture in regard of health hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP).

The classification of the substance/mixture in regard of environmental hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP).

#### The safety data sheet is validated by

xxx

#### 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