



SAFETY DATA SHEET

754 Cover-It Vandig

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

1.1. Product identifier

Trade name

754 Cover-It Vandig

Product no.

754xxx

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

Relevant identified uses of the substance or mixture

Plastalkyd vinduesmaling

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

miljo@bj.dk

Revision

10/09/2024

SDS Version

5.0

Date of previous version

10/09/2024 (4.0)

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

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

2.2. Label elements

Hazard pictogram(s)

Not applicable.

Signal word

Not applicable.

▼ Hazard statement(s)

Harmful to aquatic life with long lasting effects. (H412)

Precautionary statement(s)

General

-

▼ Prevention

Avoid release to the environment. (P273)

Response

-
Storage

-

▼ Disposal

Dispose of contents/container in accordance with local regulation (P501)

Hazardous substances

3-iodo-2-propynyl butylcarbamate 3-iodoprop-2-yn-1-yl butylcarbamate
1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
terbutryn
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)
2-methylisothiazol-3(2H)-one

▼ 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)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one, 2-methylisothiazol-3(2H)-one, 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.

VOC

VOC content: 79 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 known to fulfil the criteria for PBT and vPvB classification.
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
Titan dioxide > 10µm	CAS No.: 13463-67-7 EC No.: 236-675-5 REACH: 01-2119489379-17 Index No.:	15-25%		
propane-1,2-diol	CAS No.: 57-55-6 EC No.: 200-338-0 REACH: 01-2119456809-23-XXXX Index No.:	5-10%		
1-butoxypropan-2-ol	CAS No.: 5131-66-8 EC No.: 225-878-4 REACH: 01-2119475527-28 Index No.: 603-052-00-8	<1%	Skin Irrit. 2, H315 Eye Irrit. 2, H319	
3-iodo-2-propynyl butylcarbamate 3-iodoprop-2-yn-1-yl butylcarbamate	CAS No.: 55406-53-6 EC No.: 259-627-5 REACH: Index No.: 616-212-00-7	<0.25%	Acute Tox. 4, H302 (ATE: 1056.00 mg/kg) 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)	
1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-	CAS No.: 2634-33-5 EC No.: 220-120-9 REACH: 01-2120761540-60-XXXX	<0.05%	Acute Tox. 4, H302 Skin Irrit. 2, H315 Skin Sens. 1, H317 (SCL: 0.036 %)	

one	Index No.: 613-088-00-6		Eye Dam. 1, H318 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1)
terbutryn	CAS No.: 886-50-0 EC No.: 212-950-5 REACH: Index No.:	<0.05%	Acute Tox. 4, H302 Skin Sens. 1, H317 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1)
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.: 611-341-5 REACH: Index No.: 613-167-00-5	<0.0015%	Acute Tox. 3, H301 Acute Tox. 3, H311 Skin Corr. 1B, H314 (SCL: 0.60 %) Skin Irrit. 2, H315 (SCL: 0.06 %) Skin Sens. 1, H317 (SCL: 0.0015 %) Eye Irrit. 2, H319 (SCL: 0.06 %) Acute Tox. 3, H331 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1)
2-methylisothiazol-3(2H)-one	CAS No.: 2682-20-4 EC No.: 220-239-6 REACH: 01-2120764690-50-XXXX Index No.: 613-326-00-9	<0.0015%	EUH071 Acute Tox. 3, H301 Acute Tox. 3, H311 Skin Corr. 1B, H314 Skin Sens. 1A, H317 (SCL: 0.0015 %) Eye Dam. 1, H318 Acute Tox. 2, H330 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=1)

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.

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

If in eyes: Flush eyes with water or saline water (20-30 °C) for at least 5 minutes. Remove contact lenses. 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

Treat symptomatically.

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.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Contaminated areas may be slippery.

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

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

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 conditions

Room temperature 18 to 23°C

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

Titan dioxide > 10µm

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

Short term exposure limit (15 minutes) (mg/m³): 12

Quartz (SiO₂)

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

Short term exposure limit (15 minutes) (mg/m³): 0,2(respirabel) / 0,6(total)

Annotations:

E = Substance has an EC limit.

2-butoxyethanol; ethylene glycol monobutyl ether

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.

1-butoxypropan-2-ol

Long term exposure limit (8 hours) (ppm): 100

Statutory order 291 on exposure limits for substances and mixtures (19/03/2024)

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

BEK no. 290 of 19/03/2024 on measures to prevent the risk when working with carcinogenic, mutagenic or reproductively toxic substances and materials.

DNEL

1-butoxypropan-2-ol

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Dermal	22 mg/kg/day
Long term – Systemic effects - Workers	Dermal	52 mg/kg/day
Long term – Systemic effects - General population	Inhalation	43 mg/m ³
Long term – Systemic effects - Workers	Inhalation	147 mg/m ³
Long term – Systemic effects - General population	Oral	12,5 mg/kg/day

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

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Dermal	345 µg/kgbw/day
Long term – Systemic effects - Workers	Dermal	966 µg/kgbw/day
Long term – Systemic effects - General population	Inhalation	1.2 mg/m ³
Long term – Systemic effects - Workers	Inhalation	6.81 mg/m ³

2-butoxyethanol; ethylene glycol monobutyl ether

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Inhalation	59 mg/m ³
Long term – Systemic effects - Workers	Inhalation	98 mg/m ³
Short term – Local effects - General population	Inhalation	147 mg/m ³
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 bw/day
Short term – Systemic effects - General population	Oral	26.7 mg/kg bw/day

2-methylisothiazol-3(2H)-one

Duration:	Route of exposure:	DNEL:
Long term – Local effects - General population	Inhalation	21 µg/m ³
Long term – Local effects - Workers	Inhalation	21 µg/m ³
Short term – Local effects - General population	Inhalation	43 µg/m ³
Short term – Local effects - Workers	Inhalation	43 µg/m ³
Long term – Systemic effects - General population	Oral	27 µg/kgbw/day
Short term – Systemic effects - General population	Oral	53 µg/kgbw/day

propane-1,2-diol

Duration:	Route of exposure:	DNEL:
Long term – Local effects - General population	Inhalation	10 mg/m ³
Long term – Local effects - Workers	Inhalation	10 mg/m ³
Long term – Systemic effects - General population	Inhalation	50 mg/m ³
Long term – Systemic effects - Workers	Inhalation	168 mg/m ³

propylidyntrimethanol

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Dermal	340 µg/kgbw/day
Long term – Systemic effects - Workers	Dermal	940 µg/kgbw/day
Long term – Systemic effects - General population	Inhalation	580 µg/m ³
Long term – Systemic effects - Workers	Inhalation	3.3 mg/m ³
Long term – Systemic effects - General population	Oral	340 µg/kgbw/day

reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)

Duration:	Route of exposure:	DNEL:
Long term – Local effects - General population	Inhalation	20 µg/m ³
Long term – Local effects - Workers	Inhalation	20 µg/m ³
Short term – Local effects - General population	Inhalation	40 µg/m ³
Short term – Local effects - Workers	Inhalation	40 µg/m ³
Long term – Systemic effects - General population	Oral	90 µg/kgbw/day
Short term – Systemic effects - General population	Oral	110 µg/kgbw/day

Titan dioxide > 10µm

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

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

1-butoxypropan-2-ol

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater	-	0,525 mg/l
Intermittent release	-	5,25 mg/l
Marine water	-	0,0525 mg/l
Sewage treatment plant	-	10 mg/l
1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one		
Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		4.03 µg/L
Freshwater sediment		49.9 µg/kg
Intermittent release (freshwater)		1.1 µg/L
Intermittent release (marine water)		110 ng/L
Marine water		403 ng/L
Marine water sediment		4.99 µg/kg
Sewage treatment plant		1.03 mg/L
Soil		3 mg/kg
2-butoxyethanol; ethylene glycol monobutyl ether		
Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		8.8 mg/L
Freshwater sediment		34.6 mg/kg
Intermittent release (freshwater)		26.4 mg/L
Marine water		880 µg/L
Marine water sediment		3.46 mg/kg
Predators		20 mg/kg
Sewage treatment plant		463 mg/L
Soil		2.33 mg/kg
2-methylisothiazol-3(2H)-one		
Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		3.39 µg/L
Intermittent release (freshwater)		3.39 µg/L
Intermittent release (marine water)		3.39 µg/L
Marine water		3.39 µg/L
Sewage treatment plant		230 µg/L
Soil		47.1 µg/kg
propane-1,2-diol		
Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		260 mg/L
Freshwater sediment		572 mg/kg
Intermittent release (freshwater)		183 mg/L
Marine water		26 mg/L
Marine water sediment		57.2 mg/kg
Sewage treatment plant		20 g/L
Soil		50 mg/kg
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)		
Route of exposure:	Duration of Exposure:	PNEC:

Freshwater	3.39 µg/L
Freshwater sediment	27 µg/kg
Intermittent release (freshwater)	3.39 µg/L
Intermittent release (marine water)	3.39 µg/L
Marine water	3.39 µg/L
Marine water sediment	27 µg/kg
Sewage treatment plant	230 µg/L
Soil	10 µg/kg
Titan dioxide > 10µm	
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

Apply general control to prevent unnecessary exposure

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

Occupational exposure limits have not been defined for the substances in this product.

Appropriate technical measures

Apply standard precautions during use of the product. Avoid inhalation of vapours.

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. Pay special attention to hands, forearms and face.

▼ Measures to avoid environmental exposure

Keep damming materials near the workplace. If possible, collect spillage during work.


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	
Non industrial spraying	Combination filter A2P3	Class 2/3	Brown/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
Nitrile	0.4	> 240	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

Faint

pH

8,0 - 8,5

Density (g/cm³)

1,26 - 1,28

Kinematic viscosity

No relevant or available data due to the nature of the product.

Particle characteristics

Does not apply to liquids.

Phase changes

Melting point/Freezing point (°C)

No relevant or available data due to the nature of the product.

Softening point/range (°C)

Does not apply to liquids.

Boiling point (°C)

No relevant or available data due to the nature of the product.

Vapour pressure

No relevant or available data due to the nature of the product.

Relative vapour density

No relevant or available data due to the nature of the product.

Decomposition temperature (°C)

No relevant or available data due to the nature of the product.

Data on fire and explosion hazards

Flash point (°C)

No relevant or available data due to the nature of the product.

Flammability (°C)

No relevant or available data due to the nature of the product.

Auto-ignition temperature (°C)

No relevant or available data due to the nature of the product.

Lower and upper explosion limit (% v/v)

No relevant or available data due to the nature of the product.

Solubility

Solubility in water

Completely soluble

n-octanol/water coefficient (LogKow)

No relevant or available data due to the nature of the product.

Solubility in fat (g/L)

No relevant or available data due to the nature of the product.

9.2. Other information

VOC (g/L)

79

Other physical and chemical parameters

No data available.

Oxidizing properties

No relevant or available data 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	Titan dioxide > 10µm
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	>5000 mg/Kg ·

Product/substance	Titan dioxide > 10µm
Species:	Rat
Route of exposure:	Inhalation
Test:	LC50
Result:	> 3,43 - 5,09 mg/l ·

Product/substance	propane-1,2-diol
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	22000 mg/kg ·

Product/substance	propane-1,2-diol
Species:	Rabbit
Route of exposure:	Dermal
Test:	LD50
Result:	2000 mg/kg ·

Product/substance	propane-1,2-diol
Species:	Rabbit
Route of exposure:	Inhalation
Test:	LC50
Result:	317 mg/l ·

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

Product/substance Species: Route of exposure: Test: Result:	2-butoxyethanol; ethylene glycol monobutyl ether Rabbit Oral LD50 300 mg/kg ·
Product/substance Species: Route of exposure: Test: Result:	2-butoxyethanol; ethylene glycol monobutyl ether Rat Inhalation LC50 2,21 mg/l/4h ·
Product/substance Species: Route of exposure: Test: Result:	2-butoxyethanol; ethylene glycol monobutyl ether Rat Oral LD50 > 200 -< 2000 mg/kg ·
Product/substance Species: Route of exposure: Test: Result:	1-butoxypropan-2-ol Rat Oral LD50 3300 mg/kg ·
Product/substance Species: Route of exposure: Test: Result:	1-butoxypropan-2-ol Rat Dermal LD50 2000 mg/kg ·
Product/substance Species: Route of exposure: Test: Result:	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one Rat Oral LD50 1193 mg/Kg ·
Product/substance Species: Route of exposure: Test: Result:	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one Rat Dermal LD50 4115 mg/Kg ·
Product/substance Species: Route of exposure: Test: Result:	terbutryn Rat Oral LD50 2045 mg/Kg ·
Product/substance Species: Route of exposure: Test: Result:	terbutryn Mouse Oral LD50 3884 mg/Kg ·
Product/substance Species: Route of exposure: Test: Result:	terbutryn Rabbit Dermal LD50 > 10200 mg/Kg ·
Product/substance Species: Route of exposure:	terbutryn Rat Inhalation

Test: LC50
Result: >5,34 mg/l (4 h) ·

Product/substance: 2-methylisothiazol-3(2H)-one
Species: Rat
Route of exposure: Oral
Test: LD50
Result: 183 mg/Kg ·

Product/substance: 2-methylisothiazol-3(2H)-one
Species: Rat
Route of exposure: Inhalation
Test: LC50
Result: 0,11 mg/l ·

Product/substance: 2-methylisothiazol-3(2H)-one
Species: Rabbit
Route of exposure: Dermal
Test: LD50
Result: 242 mg/Kg ·

Product/substance: 5-chloro-2-methyl-2H-isothiazol-3-one
Species: Rat
Route of exposure: Oral
Test: LD50
Result: 550 mg/kg

Product/substance: 5-chloro-2-methyl-2H-isothiazol-3-one
Species: Rabbit
Route of exposure: Dermal
Test: LD50
Result: 1000 mg/kg

Product/substance: 5-chloro-2-methyl-2H-isothiazol-3-one
Species: Rat
Route of exposure: Inhalation
Test: LC50 (4 hours)
Result: 0,31 mg/L

Skin corrosion/irritation

Product/substance: 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Test method: OECD 404
Species: Rabbit
Result: Adverse effect observed (Irritating)

Serious eye damage/irritation

Product/substance: 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Test method: no guideline followed
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)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
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: OECD 406
Other information: Can course allergic reaction at skin contact

Product/substance: 2-methylisothiazol-3(2H)-one
Species: Human
Result: Adverse effect observed (sensitising)

Other information: Can cause allergic reaction at skin contact

Germ cell mutagenicity

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

Carcinogenicity

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

Reproductive toxicity

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

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

This mixture/product does not contain any substances known to have hormone-disrupting properties in relation to health.

Other information

None known.

SECTION 12: Ecological information

12.1. ▼ Toxicity

Product/substance	Titan dioxide > 10µm
Species:	Fish
Duration:	96 hours
Test:	LC50
Result:	>1000 mg/l ·

Product/substance	Titan dioxide > 10µm
Species:	Daphnia
Duration:	48 hours
Test:	EC50
Result:	>1000 mg/l ·

Product/substance	Titan dioxide > 10µm
Species:	Algae
Duration:	72 hours
Test:	EC50
Result:	61 mg/l ·

Product/substance	propane-1,2-diol
Species:	Fish
Duration:	96 hours
Test:	LC50
Result:	> 40613 mg/l ·

Product/substance	propane-1,2-diol
Species:	Daphnia
Duration:	48 hours
Test:	EC50
Result:	18800 mg/l ·

Product/substance	propane-1,2-diol
Species:	Algae
Duration:	96 hours
Test:	EC50
Result:	19000 mg/l ·

Product/substance	propane-1,2-diol
Species:	Algae
Duration:	72 hours
Test:	EC50
Result:	24200 mg/l ·
Product/substance	2-butoxyethanol; ethylene glycol monobutyl ether
Species:	Fish
Duration:	96 hours
Test:	LC50
Result:	820 - 1490 mg/l ·
Product/substance	2-butoxyethanol; ethylene glycol monobutyl ether
Species:	Daphnia
Duration:	48 hours
Test:	EC50
Result:	835 - 1550 mg/l ·
Product/substance	2-butoxyethanol; ethylene glycol monobutyl ether
Species:	Algae
Duration:	72 hours
Test:	IC50
Result:	1840 mg/l ·
Product/substance	1-butoxypropan-2-ol
Species:	Daphnia
Duration:	48 hours
Test:	EC50
Result:	> 1000 mg/l ·
Product/substance	1-butoxypropan-2-ol
Species:	Algae
Duration:	96 hours
Test:	EC50
Result:	> 1000 mg/l ·
Product/substance	1-butoxypropan-2-ol
Species:	Algae
Duration:	96 hours
Test:	NOEC
Result:	560 mg/l ·
Product/substance	3-iodo-2-propynyl butylcarbamate 3-iodoprop-2-yn-1-yl butylcarbamate
Species:	Fish
Duration:	96 hours
Test:	LC50
Result:	0,049 mg/l ·
Product/substance	3-iodo-2-propynyl butylcarbamate 3-iodoprop-2-yn-1-yl butylcarbamate
Species:	Daphnia
Duration:	48 hours
Test:	EC50
Result:	0,160 mg/l ·
Product/substance	3-iodo-2-propynyl butylcarbamate 3-iodoprop-2-yn-1-yl butylcarbamate
Species:	Algae
Duration:	72 hours
Test:	IC50
Result:	0,022 mg/l ·
Product/substance	3-iodo-2-propynyl butylcarbamate 3-iodoprop-2-yn-1-yl butylcarbamate
Species:	Daphnia
Duration:	21 days

Test:	NOEC
Result:	1,3 mg/l ·
Product/substance	3-iodo-2-propynyl butylcarbamate 3-iodoprop-2-yn-1-yl butylcarbamate
Species:	Fish
Duration:	21 days
Test:	NOEC
Result:	0,01 mg/l ·
Product/substance	3-iodo-2-propynyl butylcarbamate 3-iodoprop-2-yn-1-yl butylcarbamate
Species:	Daphnia
Duration:	21 days
Test:	EC50
Result:	0,05 mg/l ·
Product/substance	3-iodo-2-propynyl butylcarbamate 3-iodoprop-2-yn-1-yl butylcarbamate
Species:	Fish
Duration:	35 d.
Test:	NOEC
Result:	0,0084 mg/l ·
Product/substance	3-iodo-2-propynyl butylcarbamate 3-iodoprop-2-yn-1-yl butylcarbamate
Species:	Algae
Duration:	72 hours
Test:	NOEC
Result:	0,0046 mg/l ·
Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Species:	Fish
Duration:	96 hours
Test:	LC50
Result:	1,3 mg/l ·
Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Species:	Daphnia
Duration:	96 hours
Test:	EC50
Result:	1,5 mg/l ·
Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Species:	Algae
Duration:	48 hours
Test:	EC50
Result:	0,055 mg/l ·
Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Species:	Daphnia
Duration:	48 hours
Test:	EC50
Result:	2,94 mg/l ·
Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Species:	Algae
Duration:	24 hours
Test:	EC50
Result:	0,11 mg/l ·
Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Species:	Fish
Duration:	No data available.
Test:	NOEC
Result:	0,21 mg/l ·
Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one

Species:	Daphnia
Duration:	21 days
Test:	NOEC
Result:	1,2 mg/l ·
Product/substance	terbutryn
Species:	Algae
Duration:	7 days
Test:	EC50
Result:	0,013 mg/l ·
Product/substance	terbutryn
Species:	Daphnia
Duration:	48 hours
Test:	EC50
Result:	2,66 mg/l ·
Product/substance	terbutryn
Species:	Fish
Duration:	96 hours
Test:	LC50
Result:	0,067 mg/l ·
Product/substance	terbutryn
Species:	Daphnia
Duration:	21 days
Test:	NOEC
Result:	1,3 mg/l ·
Product/substance	terbutryn
Species:	Fish
Duration:	35 d.
Test:	NOEC
Result:	0,84 mg/l ·
Product/substance	terbutryn
Species:	Fish
Duration:	21 days
Test:	NOEC
Result:	0,01 mg/l ·
Product/substance	reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)
Test method:	OECD 201
Species:	Algae, Pseudokirchneriella subcapitata
Compartment:	Water
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)
Test method:	OECD 202
Species:	Daphnia, Daphnia magna
Compartment:	Water
Duration:	48 hours
Test:	EC50
Result:	0,1 mg/L
Product/substance	reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)
Test method:	OECD 201
Species:	Algae, Skeletonema costatum
Compartment:	Water
Duration:	48 hours
Test:	EC50
Result:	0,0052 mg/L

Product/substance: reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)
 Test method: OECD 203
 Species: Fish, *Oncorhynchus mykiss*
 Compartment: Water
 Duration: 96 hours
 Test: LC50
 Result: 0,22 mg/L

Product/substance: reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)
 Test method: OECD 211
 Species: Daphnia, *Daphnia magna*
 Compartment: Water
 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)
 Test method: OECD 215
 Species: Fish, *Oncorhynchus mykiss*
 Compartment: Water
 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)
 Test method: OECD 209
 Compartment: Sewage treatment plant
 Duration: 3 hours
 Test: EC50
 Result: 7,92 mg/L

Product/substance: 2-methylisothiazol-3(2H)-one
 Species: Fish
 Duration: 96 hours
 Test: LC50
 Result: 4,77 mg/l ·

Product/substance: 2-methylisothiazol-3(2H)-one
 Species: Daphnia
 Duration: 48 hours
 Test: EC50
 Result: 0,18 mg/l ·

Product/substance: 2-methylisothiazol-3(2H)-one
 Species: Algae
 Duration: 72 hours
 Test: EC50
 Result: 0,16 mg/l ·

Product/substance: 5-chloro-2-methyl-2H-isothiazol-3-one
 Species: Algae, *Pseudokirchneriella subcapitata*
 Compartment: Water
 Duration: 72 hours
 Test: EC50
 Result: 0,018 mg/L

Product/substance: 5-chloro-2-methyl-2H-isothiazol-3-one
 Species: Daphnia, *Daphnia magna*
 Compartment: Water
 Duration: 48 hours
 Test: EC50
 Result: 0,16 mg/L

Harmful to aquatic life with long lasting effects.

12.2. Persistence and degradability

Product/substance propane-1,2-diol
 Result: BOD5/COD > 0,5
 Conclusion: Readily biodegradable

Product/substance 2-butoxyethanol; ethylene glycol monobutyl ether
 Result: 88% efter 28 dage
 Conclusion: Readily biodegradable
 Test: OECD 301 C

Product/substance 1-butoxypropan-2-ol
 Conclusion: Readily biodegradable

Product/substance 3-iodo-2-propynyl butylcarbamate 3-iodoprop-2-yn-1-yl butylcarbamate
 Conclusion: Readily biodegradable

Product/substance 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
 Conclusion: Readily biodegradable

Product/substance terbutryn
 Conclusion: Not biodegradable

Product/substance reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)
 Result: 60 %
 Conclusion: -
 Test: OECD 301 D

12.3. Bioaccumulative potential

Product/substance propane-1,2-diol
 BCF: 0,09
 LogKow: -1,4000
 Conclusion: No potential for bioaccumulation

Product/substance 2-butoxyethanol; ethylene glycol monobutyl ether
 BCF: 2,5
 LogKow: 0,8000
 Conclusion: No potential for bioaccumulation

Product/substance 1-butoxypropan-2-ol
 LogKow: 1,1500
 Conclusion: No potential for bioaccumulation

Product/substance 3-iodo-2-propynyl butylcarbamate 3-iodoprop-2-yn-1-yl butylcarbamate
 LogKow: 2,8100
 Conclusion: No potential for bioaccumulation

Product/substance 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
 LogKow: 1,3000
 Conclusion: No potential for bioaccumulation

Product/substance terbutryn
 LogKow: 3,6900
 Conclusion: -

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

12.6. Endocrine disrupting properties

This mixture/product does not contain any substances considered to have endocrine-disrupting properties in relation to the environment.

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.

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

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

No special.

Demands for specific education

No specific requirements.

SEVESO - Categories / dangerous substances

Not applicable.

Regulation on work involving coded products

Code number (1993): 00-3

Additional information

Not applicable.

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.

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

EUH071, Corrosive to the respiratory tract.
H225, Highly flammable liquid and vapour.
H226, Flammable liquid and vapour.
H272, May intensify fire; oxidiser.
H301, Toxic if swallowed.
H302, Harmful if swallowed.
H304, May be fatal if swallowed and enters airways.
H310, Fatal in contact with skin.
H311, Toxic 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.
H332, Harmful if inhaled.
H335, May cause respiratory irritation.
H336, May cause drowsiness or dizziness.
H361, Suspected of damaging fertility or the unborn child.
H361f, Suspected of damaging fertility.
H361fd, Suspected of damaging fertility or the unborn child.
H372, Causes damage to organs through prolonged or repeated exposure.
H373, May cause damage to organs through prolonged or repeated exposure. (Liver, Haematopoietic system, Kidney, Central nervous system)
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.
H412, Harmful to aquatic life with long lasting effects.
H413, May cause long lasting harmful effects to aquatic life.

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
EuPCS = European Product Categorisation System
EWC = European Waste Catalogue
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
GWP = Global warming potential
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**

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

MIJ

Other

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