SAFETY DATA SHEET

698 PU- Emaille 80, Vandig

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

1.1. Product identifier

▼Trade name

698 PU- Emaille 80, Vandig

▼Product no.

698xxx

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

Relevant identified uses of the substance or mixture

Waterbased paint for indoor use.

▼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

28/08/2024

SDS Version

3.0

Date of previous version

28/06/2022 (2.0)

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

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

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

▼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. May produce an allergic reaction.
EUH210, Safety data sheet available on request.
The product contains a biocidal product.

Active substance(s):
1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one (0.0215 g/100g)
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (0.00118 g/100g)

▼VOC

VOC content: 80 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%		
2-(2-butoxyethoxy)ethanol	CAS No.: 112-34-5 EC No.: 203-961-6 REACH: 01-2119475104-44 Index No.: 603-096-00-8	<1%	Eye Irrit. 2, H319	[1], [3]
1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one	CAS No.: 2634-33-5 EC No.: 220-120-9 REACH: 01-2120761540-60-XXXX 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 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)

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: Take off all contaminated clothing and wash it before reuse. Wash skin with water. If skin irritation or rash occur: Get medical advice.

▼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.
Fire fighters should wear appropriate personal protective equipment.

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.
Keep unauthorized persons away from the spill

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 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/m^3): 6
Short term exposure limit (15 minutes) (mg/m^3): 12

2-(2-butoxyethoxy)ethanol
Long term exposure limit (8 hours) (mg/m^3): 68
Long term exposure limit (8 hours) (ppm): 10
Short term exposure limit (15 minutes) (mg/m^3): 101
Short term exposure limit (15 minutes) (ppm): 15
Annotations:
E = Substance has an EC limit.

2-butoxyethanol; ethylene glycol monobutyl ether
Long term exposure limit (8 hours) (mg/m^3): 98
Long term exposure limit (8 hours) (ppm): 20
Short term exposure limit (15 minutes) (mg/m^3): 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.

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

▼DNEL

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/m³
Long term – Systemic effects - Workers	Inhalation	6.81 mg/m³

2-(2-butoxyethoxy)ethanol

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Dermal	50 mg/kg/d
Long term – Systemic effects - Workers	Dermal	83 mg/kg/d
Long term – Local effects - General population	Inhalation	40,5 mg/m³
Long term – Local effects - Workers	Inhalation	67,5 mg/m³
Long term – Systemic effects - General population	Inhalation	40,5 mg/m³
Long term – Systemic effects - Workers	Inhalation	67,5 mg/m³
Short term – Local effects - General population	Inhalation	60,7 mg/m³
Short term – Local effects - Workers	Inhalation	101,2 mg/m³
Long term – Systemic effects - General population	Oral	5 mg/kg/d

2-butoxyethanol; ethylene glycol monobutyl ether

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Inhalation	59 mg/m³
Long term – Systemic effects - Workers	Inhalation	98 mg/m³
Short term – Local effects - General population	Inhalation	147 mg/m³
Short term – Local effects - Workers	Inhalation	246 mg/m³
Short term – Systemic effects - General population	Inhalation	426 mg/m³
Short term – Systemic effects - Workers	Inhalation	1091 mg/m³
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

propane-1,2-diol

Duration:	Route of exposure:	DNEL:
Long term – Local effects - General population	Inhalation	10 mg/m³
Long term – Local effects - Workers	Inhalation	10 mg/m³
Long term – Systemic effects - General population	Inhalation	50 mg/m³
Long term – Systemic effects - Workers	Inhalation	168 mg/m³

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/m³
Long term – Systemic effects - Workers	Inhalation	3.3 mg/m³
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/m³
Long term – Local effects - Workers	Inhalation	20 µg/m³
Short term – Local effects - General population	Inhalation	40 µg/m³
Short term – Local effects - Workers	Inhalation	40 µg/m³
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/m3
Long term – Systemic effects - General population	Oral	700 mg/kg bw/day

▼PNEC

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-(2-butoxyethoxy)ethanol

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

2-butoxyethanol; 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

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

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

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	> 480	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

Not applicable

Odour / Odour threshold

Characteristic

▼pH

7,5 - 8,5

▼Density (g/cm^3)

1,20 - 1,24 (20 °C)

▼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)

80

▼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-(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)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	1193 mg/Kg ·

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Species:	Rat
Route of exposure:	Dermal
Test:	LD50
Result:	4115 mg/Kg ·

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

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

Product/substance	2-butoxyethanol; ethylene glycol monobutyl ether
Species:	Rat
Route of exposure:	Inhalation
Test:	LC50
Result:	2,21 mg/l/4h ·

Product/substance	2-butoxyethanol; ethylene glycol monobutyl ether
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	> 200 -< 2000 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

▼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-(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)-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	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-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	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

12.2. ▼Persistence and degradability

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

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

12.3. ▼Bioaccumulative potential

Product/substance	propane-1,2-diol
BCF:	0,09
LogKow:	-1,4000
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	2-butoxyethanol; ethylene glycol monobutyl ether
BCF:	2,5
LogKow:	0,8000
Conclusion:	No potential for bioaccumulation

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

None known.

SECTION 13: Disposal considerations

13.1. ▼Waste treatment methods

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

▼EWC code

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

▼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.

Biocidal Products Regulations

Product type: PT6 - Preservatives for products during storage

▼Restrictions on use

-

▼Directions for use and dose rate

-

▼Additional information

-

▼REACH, Annex XVII

2-(2-butoxyethoxy)ethanol is subject to REACH restrictions (entry 55).

▼Regulation on work involving coded products

Code number (1993): 00-1.

▼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

H301, Toxic if swallowed.
H302, Harmful if swallowed.
H311, Toxic 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.
H331, Toxic if inhaled.
H400, Very toxic to aquatic life.
H410, Very 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
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

Not applicable.

The safety data sheet is validated by

MVP

▼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