

SAFETY DATA SHEET

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

1.1. Product identifier

Trade name

921 DK2 Wood Stain T121

Product no.

921000

REACH registration number

Not applicable

Unique formula identifier (UFI)

-

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

Relevant identified uses of the substance or mixture

NA

Uses advised against

-

The full text of any mentioned and identified use categories are given in section 16

1.3. Details of the supplier of the safety data sheet

Company and address

Beck & Jorgensen A/S
Rosenkaeret 25-29
DK2860 Soeborg, Denmark
Phone: +45 39 53 03 11
www.bj.dk

Contact person

Mikael Jensen

E-mail

miljo@bj.dk

SDS date

2018-12-19

SDS Version

3.0

1.4. Emergency telephone number

Contact The National Poisons Information Service (dial 111, 24 h service). See section 4 "First aid measures".

SECTION 2: Hazards identification

▼ 2.1. Classification of the substance or mixture

Aquatic Chronic 3; H412

See full text of H-phrases in section 2.2.

2.2. Label elements

Hazard pictogram(s)

Not applicable

Signal word

-

▼ Hazard statement(s)

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

Precautionary statements**General****Prevention**

-

Avoid breathing mist/vapours/fume/spray. (P261).

Avoid release to the environment. (P273).

According to EC-Regulation 2015/830

Response	-	[In case of inadequate ventilation] wear respiratory protection. (P284).
Storage	-	
Disposal		Dispose of contents/container to an approved waste disposal plant. (P501).

▼ **Identity of the substances primarily responsible for the major health hazards**

Not applicable

▼ **2.3. Other hazards**

Not applicable

▼ **Additional labelling**

Contains 3-iodo-2-propynyl butylcarbamate 3-iodoprop-2-yn-1-yl butylcarbamate, 5-chlor-2-methyl-2H-isothiazol-3-on [EU-No.247-500-7], mix (3:1) 2-methyl-2H-isothiazol-3-on [EU-No.220-239-6]. May produce an allergic reaction. (EUH208).

▼ **Additional warnings**

Not applicable

▼ **VOC (volatile organic compound)**

VOC-Max: 45 g/l, MAXIMUM VOC CONTENT (A/e (WB)): 130 g/l.

SECTION 3: Composition/information on ingredients

▼ **3.1/3.2. Substances/Mixtures**

NAME: 2-(2-butoxyethoxy)ethanol
 IDENTIFICATION NOS.: CAS-no: 112-34-5 EC-no: 203-961-6 REACH-no: 01-2119475104-44 Index-no: 603-096-00-8
 CONTENT: 2.5 - <5%
 CLP CLASSIFICATION: Eye Irrit. 2
 H319
 NOTE: L

NAME: zinc oxide
 IDENTIFICATION NOS.: CAS-no: 1314-13-2 EC-no: 215-222-5 Index-no: 030-013-00-7
 CONTENT: 0.25 - <1%
 CLP CLASSIFICATION: Aquatic Acute 1, Aquatic Chronic 1
 H400, H410

NAME: 3-iodo-2-propynyl butylcarbamate 3-iodoprop-2-yn-1-yl butylcarbamate
 IDENTIFICATION NOS.: CAS-no: 55406-53-6 EC-no: 259-627-5 Index-no: 616-212-00-7
 CONTENT: 0.25 - <1%
 CLP CLASSIFICATION: Acute Tox. 3, Acute Tox. 4, STOT RE 1, Eye Dam. 1, Skin Sens. 1, Aquatic Acute 1, Aquatic Chronic 1
 H302, H317, H318, H331, H372, H400, H410 (M-acute = 10)

NAME: 1,2-benzisothiazol-3(2H)-on
 IDENTIFICATION NOS.: CAS-no: 2634-33-5 EC-no: 220-120-9 Index-no: 613-088-00-6
 CONTENT: <0.01%
 CLP CLASSIFICATION: Acute tox. 4, Skin Irrit. 2, Eye Dam. 1, Skin Sens. 1, Aquatic Acute 1
 H302, H315, H317, H318, H400

NAME: 2-methyl-2H-isothiazol-3-one
 IDENTIFICATION NOS.: CAS-no: 2682-20-4 EC-no: 220-239-6
 CONTENT: <0.01%
 CLP CLASSIFICATION: Acute Tox. 3, Skin Corr. 1B, Skin Sens. 1A, Eye Dam. 1, Acute Tox. 1, STOT SE 3, Aquatic Acute 1, Aquatic Chronic 2
 H301, H314, H317, H318, H330, H335, H400, H411 (M-acute = 1)

NAME: 5-chlor-2-methyl-2H-isothiazol-3-on [EU-No.247-500-7], mix (3:1) 2-methyl-2H-isothiazol-3-on [EU-No.220-239-6]
 IDENTIFICATION NOS.: CAS-no: 55965-84-9 Index-no: 613-167-00-5
 CONTENT: <0.0015%
 CLP CLASSIFICATION: Acute Tox. 3, Acute Tox. 3, Skin Corr. 1B, Skin Sens. 1A, Eye Dam. 1, Acute Tox. 3, Aquatic Acute 1, Aquatic Chronic 1
 H301, H311, H314, H317, H318, H331, H400, H410 (M-acute = 1) (M-chronic = 1)

(*) See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.
 L = European occupational exposure limit.

Other information

ATE_{mix}(inhale, vapour) > 20
 ATE_{mix}(inhale, dust/mist) > 5

According to EC-Regulation 2015/830

ATEmix(inhale, gas) > 20000
 ATEmix(dermal) > 2000
 ATEmix(oral) > 2000
 Eye Cat. 2 Sum = Sum(Ci/S(G)CLi) = 0,2936 - 0,4404
 N chronic (CAT 3) Sum = Sum(Ci/(M(chronic)ⁱ*25)*0.1*10^{CATi}) = 2,32224 - 3,48336
 N acute (CAT 1) Sum = Sum(Ci/M(acute)ⁱ*25) = 0,12014208 - 0,18021312

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. The doctor can contact The National Poisons Information Service: Dial 0344 892 0111 (24 h service). 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

Bring the person into fresh air and stay with him/her.

▼ Skin contact

Immediately remove contaminated clothing and shoes. Ensure that skin, which has been exposed to the material, is washed thoroughly with soap and water. Skin cleanser can be used. DO NOT use solvents or thinners.

▼ Eye contact

Remove contact lenses and open eyes widely. Flush eyes with water or saline water(20-30°C) for at least 15 minutes. Seek medical assistance and 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

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

Nothing special

Information to medics

Bring this safety data sheet.

SECTION 5: Firefighting measures

▼ 5.1. Extinguishing media

Recommended: alcohol-resistant foam, carbonic acid, powder, water mist. Waterjets should not be used, since they can spread the fire.

▼ 5.2. Special hazards arising from the substance or mixture

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous catabolic substances are produced. These are: Carbon oxides. Fire will result in dense black smoke. Exposure to combustion products may harm your health. Fire fighters should wear appropriate protection equipment. 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.

▼ 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

No specific requirements.

▼ 6.2. Environmental precautions

According to EC-Regulation 2015/830

Avoid discharge to lakes, streams, sewers, etc. In the event of leakage to the surroundings, contact local environmental authorities. It is recommended to install waste collection trays to prevent emissions to the waste water system and surrounding environment.

▼ **6.3. Methods and material for containment and cleaning up**

Use sand, sawdust, 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 on "Disposal considerations" in regard of handling of waste. See section on 'Exposure controls/personal protection' for protective measures.

SECTION 7: Handling and storage

▼ **7.1. Precautions for safe handling**

Smoking, storage of tobacco, consumption and storage of food or liquids are not allowed in the workrooms. It is recommended to install waste collection trays to prevent emissions to the waste water system and surrounding environment. See section on 'Exposure controls/personal protection' for information on personal protection.

▼ **7.2. Conditions for safe storage, including any incompatibilities**

Always store in containers of the same material as the original container. Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

▼ **Storage temperature**

No data available.

▼ **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

▼ **OEL**

2-(2-butoxyethoxy)ethanol

Long-term exposure limit (8-hour TWA reference period): 10 ppm | 67.5 mg/m³

Short-term exposure limit (15-minute reference period): 15 ppm | 101.2 mg/m³

▼ **DNEL / PNEC**

DNEL (2-(2-butoxyethoxy)ethanol): 67,5 mg/m³

Exposure: Inhalation

Duration of Exposure: Long term – Systemic effects - Workers

DNEL (2-(2-butoxyethoxy)ethanol): 101,2 mg/m³

Exposure: Inhalation

Duration of Exposure: Short term – Local effects - Workers

DNEL (2-(2-butoxyethoxy)ethanol): 83 mg/kg/d

Exposure: Dermal

Duration of Exposure: Long term – Systemic effects - Workers

DNEL (2-(2-butoxyethoxy)ethanol): 67,5 mg/m³

Exposure: Inhalation

Duration of Exposure: Long term – Local effects - Workers

DNEL (2-(2-butoxyethoxy)ethanol): 60,7 mg/m³

Exposure: Inhalation

Duration of Exposure: Short term – Local effects - General population

DNEL (2-(2-butoxyethoxy)ethanol): 50 mg/kg/d

Exposure: Dermal

Duration of Exposure: Long term – Systemic effects - General population

DNEL (2-(2-butoxyethoxy)ethanol): 40,5 mg/m³

Exposure: Inhalation

Duration of Exposure: Long term – Systemic effects - General population

DNEL (2-(2-butoxyethoxy)ethanol): 5 mg/kg/d

Exposure: Oral

Duration of Exposure: Long term – Systemic effects - General population

According to EC-Regulation 2015/830

DNEL (2-(2-butoxyethoxy)ethanol): 40,5 mg/m³
 Exposure: Inhalation
 Duration of Exposure: Long term – Local effects - General population

PNEC (2-(2-butoxyethoxy)ethanol): 1,1 mg/l
 Exposure: Freshw ater

PNEC (2-(2-butoxyethoxy)ethanol): 0,11 mg/l
 Exposure: Marine water

PNEC (2-(2-butoxyethoxy)ethanol): 11 mg/l
 Exposure: Intermittent release

PNEC (2-(2-butoxyethoxy)ethanol): 200 mg/l
 Exposure: Sew age Treatment Plant

PNEC (2-(2-butoxyethoxy)ethanol): 4,4 mg/kg
 Exposure: Freshw ater sediment

PNEC (2-(2-butoxyethoxy)ethanol): 0,44 mg/kg
 Exposure: Marine water sediment

PNEC (2-(2-butoxyethoxy)ethanol): 0,32 mg/kg
 Exposure: Soil

PNEC (3-iodo-2-propynyl butylcarbamate 3-iodoprop-2-yn-1-yl butylcarbamate): 0,0005 mg/l
 Exposure: Water
 Duration of Exposure: Single
 Remarks: Annex I assesment report

PNEC (3-iodo-2-propynyl butylcarbamate 3-iodoprop-2-yn-1-yl butylcarbamate): 0,005 mg/l
 Exposure: Soil
 Duration of Exposure: Single
 Remarks: Annex I assesment report

8.2. Exposure controls

- ▼ Compliance with the accepted occupational exposure limits values should be controlled on a regular basis.

General recommendations

- ▼ Observe general occupational hygiene standards.

Exposure scenarios

In the event exposure scenarios are appended to the safety data sheet, the operational conditions and risk management measures in these shall be complied with.

Exposure limits

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

Appropriate technical measures

Airborne gas and dust concentrations must be kept at a minimum and below current limit values (see above). Installation of an 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

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

Measures to avoid environmental exposure

No specific requirements.

Individual protection measures, such as personal protective equipment



Generally

Use only CE marked protective equipment.

According to EC-Regulation 2015/830

▼ **Respiratory Equipment**

In case of spray application: Use mask with particle filter S/SL

▼ **Skin protection**

Wear appropriate protection clothing, e.g. coveralls in polypropylene or working clothes in cotton or polyester. Chemical resistant suit with helmet/hood (Type 4, 5, 6 Category III) is recommended for spray applications.

▼ **Hand protection**

Nitrile rubber

Breakthrough time: > 60 minutes (Class 3)

▼ **Eye protection**

Wear face shield alternatively safety glasses with side shields.

SECTION 9: Physical and chemical properties

▼ **9.1. Information on basic physical and chemical properties**

Form	Liquid
Colour	No data available.
Odour	No data available.
Odour threshold (ppm)	No data available.
pH	8-8,5
Viscosity (40°C)	No data available.
Density (g/cm ³)	1,03

▼ **Phase changes**

Melting point (°C)	No data available.
Boiling point (°C)	No data available.
Vapour pressure	No data available.
Decomposition temperature (°C)	No data available.
Evaporation rate (n-butylacetate = 100)	No data available.

▼ **Data on fire and explosion hazards**

Flash point (°C)	No data available.
Ignition (°C)	No data available.
Auto flammability (°C)	No data available.
Explosion limits (% v/v)	No data available.
Explosive properties	No data available.

▼ **Solubility**

Solubility in water	Soluble
n-octanol/water coefficient	No data available.

▼ **9.2. Other information**

Solubility in fat (g/L)	No data available.
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SECTION 10: Stability and reactivity

10.1. Reactivity

No data available

▼ **10.2. Chemical stability**

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

▼ **10.3. Possibility of hazardous reactions**

Nothing special

▼ **10.4. Conditions to avoid**

Nothing 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 toxicological effects

▼ **Acute toxicity**

Substance: 5-chlor-2-methyl-2H-isothiazol-3-on [EU-No.247-500-7], mix (3:1) 2-methyl-2H-isothiazol-3-on [EU-No.220-239-6]
 Species: Rabbit
 Test: LD50
 Route of exposure: Dermal
 Result: 200 - 1000 mg/Kg

Substance: 5-chlor-2-methyl-2H-isothiazol-3-on [EU-No.247-500-7], mix (3:1) 2-methyl-2H-isothiazol-3-on [EU-No.220-239-6]
 Species: Rat
 Test: LD50
 Route of exposure: Oral
 Result: 49,6 - 75 mg/Kg

Substance: 5-chlor-2-methyl-2H-isothiazol-3-on [EU-No.247-500-7], mix (3:1) 2-methyl-2H-isothiazol-3-on [EU-No.220-239-6]
 Species: Rat
 Test: LC50
 Route of exposure: Inhalation
 Result: 0,33 mg/l, 4 h, aerosol

Substance: 2-methyl-2H-isothiazol-3-one
 Species: Rabbit
 Test: LD50
 Route of exposure: Dermal
 Result: 242 mg/Kg

Substance: 2-methyl-2H-isothiazol-3-one
 Species: Rat
 Test: LD50
 Route of exposure: Oral
 Result: 183 mg/Kg

Substance: 2-methyl-2H-isothiazol-3-one
 Species: Rat
 Test: LC50
 Route of exposure: Inhalation
 Result: 0,11 mg/l

Substance: 1,2-benzisothiazol-3(2H)-on
 Species: Rat
 Test: LD50
 Route of exposure: Dermal
 Result: 4115 mg/Kg

Substance: 1,2-benzisothiazol-3(2H)-on
 Species: Rat
 Test: LD50
 Route of exposure: Oral
 Result: 1193 mg/Kg

Substance: 3-iodo-2-propynyl butylcarbamate 3-iodoprop-2-yn-1-yl butylcarbamate
 Species: Rabbit
 Test: LD50
 Route of exposure: Dermal
 Result: > 2000 mg/kg

Substance: 3-iodo-2-propynyl butylcarbamate 3-iodoprop-2-yn-1-yl butylcarbamate
 Species: Rat
 Test: LD50
 Route of exposure: Oral
 Result: 300-500 mg/kg

Substance: 3-iodo-2-propynyl butylcarbamate 3-iodoprop-2-yn-1-yl butylcarbamate
 Species: Rat
 Test: LC50
 Route of exposure: Inhalation
 Result: 6,89 mg/l (4 timer)

Substance: 2-(2-butoxyethoxy)ethanol
 Species: Mouse
 Test: LD50
 Route of exposure: Oral
 Result: 2400 mg/kg

Substance: 2-(2-butoxyethoxy)ethanol
 Species: Rabbit

According to EC-Regulation 2015/830

Test: LD50
Route of exposure: Dermal
Result: 2700 mg/kg

Substance: 2-(2-butoxyethoxy)ethanol
Species: Rat
Test: LD50
Route of exposure: Oral
Result: 5660 mg/kg

▼ **Skin corrosion/irritation**

Data on substance: 1,2-benzisothiazol-3(2H)-on
Test: OECD Guideline 404
Organism: Rabbit
Result: Irriterer huden

Serious eye damage/irritation

Data on substance: 1,2-benzisothiazol-3(2H)-on
Test: no guideline followed
Result: Can course serious eye damage

▼ **Respiratory or skin sensitisation**

Data on substance: 2-methyl-2H-isothiazol-3-one

Data on substance: 5-chlor-2-methyl-2H-isothiazol-3-on [EU-No.247-500-7], mix (3:1) 2-methyl-2H-isothiazol-3-on [EU-No.220-239-6]
Organism: Human
Result: Can course allergic reaction at skin contact

Data on substance: 2-methyl-2H-isothiazol-3-one
Organism: Human
Result: Can course allergic reaction at skin contact

Data on substance: 1,2-benzisothiazol-3(2H)-on
Organism: Human
Result: Can course allergic reaction at skin contact
This product contains substances that may trigger an allergic reaction to predisposed persons.

▼ **Germ cell mutagenicity**

Data on substance: 5-chlor-2-methyl-2H-isothiazol-3-on [EU-No.247-500-7], mix (3:1) 2-methyl-2H-isothiazol-3-on [EU-No.220-239-6]
Result: No effect in experiments on animals
No adverse effect observed.

Data on substance: 2-methyl-2H-isothiazol-3-one

▼ **Carcinogenicity**

Data on substance: 5-chlor-2-methyl-2H-isothiazol-3-on [EU-No.247-500-7], mix (3:1) 2-methyl-2H-isothiazol-3-on [EU-No.220-239-6]
Result: No effect in experiments on animals
No adverse effect observed.

▼ **Reproductive toxicity**

Data on substance: 5-chlor-2-methyl-2H-isothiazol-3-on [EU-No.247-500-7], mix (3:1) 2-methyl-2H-isothiazol-3-on [EU-No.220-239-6]
Result: No effect in experiments on animals
No adverse effect observed.

Data on substance: 3-iodo-2-propynyl butylcarbamate 3-iodoprop-2-yn-1-yl butylcarbamate

STOT-single exposure

Data on substance: 1,2-benzisothiazol-3(2H)-on

▼ **STOT-repeated exposure**

No data available.

▼ **Aspiration hazard**

No data available.

▼ **Long term effects**

Nothing special

SECTION 12: Ecological information

▼ 12.1. Toxicity

Substance: 5-chlor-2-methyl-2H-isothiazol-3-on [EU-No.247-500-7], mix (3:1) 2-methyl-2H-isothiazol-3-on [EU-No.220-239-6]

Species: Fish

Test: LC50

Duration: 96 h

Result: 0,19 mg/l

Substance: 5-chlor-2-methyl-2H-isothiazol-3-on [EU-No.247-500-7], mix (3:1) 2-methyl-2H-isothiazol-3-on [EU-No.220-239-6]

Species: Daphnia

Test: EC50

Duration: 48 h

Result: 0,16 mg/l

Substance: 5-chlor-2-methyl-2H-isothiazol-3-on [EU-No.247-500-7], mix (3:1) 2-methyl-2H-isothiazol-3-on [EU-No.220-239-6]

Species: Algae

Test: EC50

Duration: 72 h

Result: 0,379 mg/l

Substance: 5-chlor-2-methyl-2H-isothiazol-3-on [EU-No.247-500-7], mix (3:1) 2-methyl-2H-isothiazol-3-on [EU-No.220-239-6]

Species: Algae

Test: EC50

Duration: 96 h

Result: 0,166 mg/l

Substance: 5-chlor-2-methyl-2H-isothiazol-3-on [EU-No.247-500-7], mix (3:1) 2-methyl-2H-isothiazol-3-on [EU-No.220-239-6]

Species: Algae

Test: NOEC

Duration: 96 h

Result: 0,032 mg/l

Substance: 5-chlor-2-methyl-2H-isothiazol-3-on [EU-No.247-500-7], mix (3:1) 2-methyl-2H-isothiazol-3-on [EU-No.220-239-6]

Species: Daphnia

Test: EC50

Duration: 21 days

Result: > 1 mg/l

Substance: 5-chlor-2-methyl-2H-isothiazol-3-on [EU-No.247-500-7], mix (3:1) 2-methyl-2H-isothiazol-3-on [EU-No.220-239-6]

Species: Daphnia

Test: EC50

Duration: 48 h

Result: 1,02 mg/l

Substance: 5-chlor-2-methyl-2H-isothiazol-3-on [EU-No.247-500-7], mix (3:1) 2-methyl-2H-isothiazol-3-on [EU-No.220-239-6]

Species: Fish

Test: LC50

Duration: 96 h

Result: 0,58 mg/l

Substance: 5-chlor-2-methyl-2H-isothiazol-3-on [EU-No.247-500-7], mix (3:1) 2-methyl-2H-isothiazol-3-on [EU-No.220-239-6]

Species: Fish

Test: NOEC

Duration: 34 days

Result: 0,5 mg/l

Substance: 2-methyl-2H-isothiazol-3-one

Species: Fish

Test: LC50

Duration: 96 h

Result: 4,77 mg/l

Substance: 2-methyl-2H-isothiazol-3-one

Species: Daphnia

Test: EC50

Duration: 48 h

Result: 0,18 mg/l

Substance: 2-methyl-2H-isothiazol-3-one

Species: Algae

Test: EC50

Duration: 72 h

Result: 0,16 mg/l

According to EC-Regulation 2015/830

Substance: 1,2-benzisothiazol-3(2H)-on
 Species: Fish
 Test: LC50
 Duration: 96 h
 Result: 1,3 mg/l

Substance: 1,2-benzisothiazol-3(2H)-on
 Species: Daphnia
 Test: EC50
 Duration: 96 h
 Result: 1,5 mg/l

Substance: 1,2-benzisothiazol-3(2H)-on
 Species: Algae
 Test: EC50
 Duration: 48 h
 Result: 0,055 mg/l

Substance: 1,2-benzisothiazol-3(2H)-on
 Species: Daphnia
 Test: EC50
 Duration: 48 h
 Result: 2,94 mg/l

Substance: 1,2-benzisothiazol-3(2H)-on
 Species: Algae
 Test: EC50
 Duration: 24 h
 Result: 0,11 mg/l

Substance: 1,2-benzisothiazol-3(2H)-on
 Species: Fish
 Test: NOEC
 Duration:
 Result: 0,21 mg/l

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

Substance: 3-iodo-2-propynyl butylcarbamate 3-iodoprop-2-yn-1-yl butylcarbamate
 Species: Fish
 Test: LC50
 Duration: 96 h
 Result: 0,049 mg/l

Substance: 3-iodo-2-propynyl butylcarbamate 3-iodoprop-2-yn-1-yl butylcarbamate
 Species: Daphnia
 Test: EC50
 Duration: 48 h
 Result: 0,160 mg/l

Substance: 3-iodo-2-propynyl butylcarbamate 3-iodoprop-2-yn-1-yl butylcarbamate
 Species: Algae
 Test: IC50
 Duration: 72 h
 Result: 0,022 mg/l

Substance: 3-iodo-2-propynyl butylcarbamate 3-iodoprop-2-yn-1-yl butylcarbamate
 Species: Daphnia
 Test: NOEC
 Duration: 21 days
 Result: 1,3 mg/l

Substance: 3-iodo-2-propynyl butylcarbamate 3-iodoprop-2-yn-1-yl butylcarbamate
 Species: Fish
 Test: NOEC
 Duration: 21 days
 Result: 0,01 mg/l

Substance: 3-iodo-2-propynyl butylcarbamate 3-iodoprop-2-yn-1-yl butylcarbamate
 Species: Daphnia

According to EC-Regulation 2015/830

Test: EC50
Duration: 21 days
Result: 0,05 mg/l

Substance: 3-iodo-2-propynylbutylcarbamate 3-iodoprop-2-yn-1-yl butylcarbamate
Species: Fish
Test: NOEC
Duration: 35 days
Result: 0,0084 mg/l

Substance: 3-iodo-2-propynylbutylcarbamate 3-iodoprop-2-yn-1-yl butylcarbamate
Species: Algae
Test: NOEC
Duration: 72 h
Result: 0,0046 mg/l

Substance: zinc oxide
Species: Fish
Test: LC50
Duration: 96 timer
Result: 0,14 mg/l

Substance: zinc oxide
Species: Daphnia
Test: EC50
Duration: 48 timer
Result: 0,07 mg/l

Substance: zinc oxide
Species: Algae
Test: EC50
Duration: 72 timer
Result: 0,14 mg/l

Substance: 2-(2-butoxyethoxy)ethanol
Species: Fish
Test: LC50
Duration: 96 h
Result: 2700 mg/l

Substance: 2-(2-butoxyethoxy)ethanol
Species: Daphnia
Test: LC50
Duration: 48 h
Result: 1000 mg/l

Substance: 2-(2-butoxyethoxy)ethanol
Species: Algae
Test: EC50
Duration: 96 h
Result: 100 mg/l

▼ 12.2. Persistence and degradability

Substance	Biodegradability	Test	Result
1,2-benzisothiazol-3(2H)-on	Yes	No data available	No data available
3-iodo-2-propynyl butylcarbam...	Yes	No data available	No data available

▼ 12.3. Bioaccumulative potential

Substance	Potential bioaccumulation	LogPow	BCF
5-chlor-2-methyl-2H-isothiazol...	No	0,4	3,6
1,2-benzisothiazol-3(2H)-on	No	1,3	No data available
3-iodo-2-propynyl butylcarbam...	No	2,81	No data available

▼ 12.4. Mobility in soil

5-chlor-2-methyl-2H-isothiazol...: Log Koc= 0,39516, Calculated from LogPow (High mobility potential.).
1,2-benzisothiazol-3(2H)-on: Log Koc= 1,10787, Calculated from LogPow (High mobility potential.).
3-iodo-2-propynyl butylcarbam...: Log Koc= 2,303639, Calculated from LogPow (Moderate mobility potential.).

▼ 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.

According to EC-Regulation 2015/830

▼ **12.6. 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 due to poor biodegradability, 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.

▼ **Waste**

EWC code

08 01 11

waste paint and varnish containing organic solvents or other dangerous substances

▼ **Specific labelling**

Not applicable

▼ **Contaminated packing**

Contaminated packaging must be disposed of similarly to the product.

SECTION 14: Transport information

14.1 – 14.4

Not dangerous goods according to ADR, IATA and IMDG.

▼ **ADR/RID**

14.1. UN number

-

14.2. UN proper shipping name

-

14.3. Transport hazard class(es)

-

14.4. Packing group

-

Notes

-

Tunnel restriction code

-

▼ **IMDG**

UN-no.

-

Proper Shipping Name

-

Class

-

PG*

-

EmS

-

MP**

-

Hazardous constituent

-

▼ **IATA/ICAO**

UN-no.

-

Proper Shipping Name

-

Class

-

PG*

-

14.5. Environmental hazards

-

14.6. Special precautions for user

-

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

No data available

(*) Packing group

(**) Marine pollutant

SECTION 15: Regulatory information

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

According to EC-Regulation 2015/830

▼ **Restrictions for application**

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

Demands for specific education

-

Additional information

Not applicable

Seveso

-

Sources

Directive 2004/42/CE of the European Parliament and of the Council of 21 April 2004 on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain paints and varnishes and vehicle refinishing products and amending Directive 1999/13/EC.

The Control of Substances Hazardous to Health Regulations 2002. SI 2002/2677. The Stationery Office, 2002.

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, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 (CLP).

Regulation (EC) 1907/2006 (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.

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.

The full text of identified uses as mentioned in section 1

-

Additional label elements

Not applicable

Other

In accordance with Regulation (EC) No. 1272/2008 (CLP) the evaluation of the classification of the mixture is based on:

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

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.

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.

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

The safety data sheet is validated by

admin

**Date of last essential change
(First cipher in SDS version)**



According to EC-Regulation 2015/830

2015-01-11(2.0)
Date of last minor change
(Last cipher in SDS version)

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