

SAFETY DATA SHEET

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

1.1. Product identifier

Trade name

974 DK Wood Stain T104

Product no.

9740001

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

2.0

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

Not classified according to Regulation (EC) No. 1272/2008 (CLP)

2.2. Label elements

Hazard pictogram(s)

Not applicable

Signal word

-

▼ Hazard statement(s)

Not applicable

Precautionary statements**General**

-

Prevention

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

[In case of inadequate ventilation] wear respiratory protection. (P284).

Response

-

According to EC-Regulation 2015/830

Storage -
Disposal -

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

Not applicable

▼ **2.3. Other hazards**

Not applicable

▼ **Additional labelling**

Contains 1,2-benzisothiazol-3(2H)-on. May produce an allergic reaction. (EUH208).
Safety data sheet available on request. (EUH210)

▼ **Additional warnings**

Not applicable

▼ **VOC (volatile organic compound)**

VOC-Max: 30 g/l, MAXIMUM VOC CONTENT (A/e (WB)): 130 g/l.

SECTION 3: Composition/information on ingredients

▼ **3.1/3.2. Substances/Mixtures**

NAME: 1-butoxypropan-2-ol
IDENTIFICATION NOS.: CAS-no: 5131-66-8 EC-no: 225-878-4 REACH-no: 01-2119475527-28 Index-no: 603-052-00-8
CONTENT: 1 - <2.5%
CLP CLASSIFICATION: Skin Irrit. 2, Eye Irrit. 2
H315, H319
NOTE: S

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: 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: <0.0001%
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.

Other information

A TE_{mix}(inhale, vapour) > 20
A TE_{mix}(inhale, gas) > 20000
A TE_{mix}(dermal) > 2000
A TE_{mix}(oral) > 2000
Eye Cat. 2 Sum = Sum(Ci/S(G)CLi) = 0,1472 - 0,2208
Skin Cat. 2 Sum = Sum(Ci/S(G)CLi) = 0,1472 - 0,2208

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.

According to EC-Regulation 2015/830

▼ **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**

No specific requirements.

▼ **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**

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.

▼ **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

No substances are listed in The Control of Substances Hazardous to Health Regulations with an occupational exposure limit.

▼ DNEL / PNEC

8.2. Exposure controls

▼ Control is unnecessary if the product is used as intended.

General recommendations

▼ Smoking, eating and drinking are not allowed in the work premises

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

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 gas or dust.

▼ 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.

▼ 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 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	No data available.
Viscosity (40°C)	No data available.
Density (g/cm ³)	1,009

▼ 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

According to EC-Regulation 2015/830

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.

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: 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: 1-butoxypropan-2-ol

Species: Rabbit

Test: LD50

Route of exposure: Dermal

Result: 3100 mg/kg

Substance: 1-butoxypropan-2-ol
 Species: Rat
 Test: LD50
 Route of exposure: Oral
 Result: 1900 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**

No data available. 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: 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.

▼ **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.

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: 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

According to EC-Regulation 2015/830

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: 1-butoxypropan-2-ol
Species: Daphnia
Test: EC50
Duration: 48 h
Result: > 1000 mg/l

12.2. Persistence and degradability

Substance	Biodegradability	Test	Result
1,2-benzisothiazol-3(2H)-on	Yes	No data available	No data available
1-butoxypropan-2-ol	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
1-butoxypropan-2-ol	No	1,15	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.).
1-butoxypropan-2-ol: Log Koc= 0,989085, Calculated from LogPow (High 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.

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 not covered by regulations on dangerous waste.

Waste

EWC code

-

Specific labelling

Not applicable

Contaminated packing

No specific requirements.

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



According to EC-Regulation 2015/830

UN-no. -
Proper Shipping Name -
Class -
PG* -
Em S -
MP** -
Hazardous constituent -

▼ IATA/CAO

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

▼ **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.

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.



According to EC-Regulation 2015/830

H331 - Toxic if inhaled.

H400 - Very toxic to aquatic life.

H410 - Very toxic to aquatic life with long lasting effects.

The full text of identified uses as mentioned in section 1

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Additional label elements

Not applicable

Other

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)**

2015-04-07(1.0)

**Date of last minor change
(Last cipher in SDS version)**

2015-04-07

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