

## SAFETY DATA SHEET

## Fibre Filler 226

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

## 1.1. Product identifier

## Trade name

Fibre Filler 226

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

## Relevant identified uses of the substance or mixture

water based primer for fibre glass web and vlies

## ▼ Uses advised against

None known.

## 1.3. Details of the supplier of the safety data sheet

## ▼ Company and address

**Dana Lim A/S**

Københavnsvej 220

DK-4600 Køge

Denmark

Tel: +45 56 64 00 70

## Contact person

Product Safety Department

## E-mail

info@danalim.dk

## Revision

13/10/2022

## SDS Version

2.0

## Date of previous version

23/06/2021 (1.0)

## 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) as retained and amended in UK law.

## 2.2. Label elements

## ▼ Hazard pictogram(s)

## ▼ Signal word

Not applicable.

## ▼ Hazard statement(s)

Not applicable.

## Safety statement(s)

General

-

Prevention

-

Response

-

Storage

-

Disposal

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

▼ **Hazardous substances**

None known.

▼ **Additional labelling**

EUH208, Contains Reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H-isothiazol-3-one (3:1). May produce an allergic reaction.

EUH210, Safety data sheet available on request.

Active substance(s):

bronopol (0.0317 g/100g)

Reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (0.00103 g/100g)

▼ **VOC**

VOC content: 0 g/L

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

2.3. **Other hazards**

▼ **Additional warnings**

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

**SECTION 3: Composition/information on ingredients**

3.2. ▼ **Mixtures**

Product/substance	Identifiers	% w/w	Classification	Note
bronopol	CAS No.: 52-51-7 EC No.: 200-143-0 UK-REACH: Index No.: 603-085-00-8	<0.05%	Acute Tox. 4, H302 Acute Tox. 4, H312 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=1)	
vinyl acetate	CAS No.: 108-05-4 EC No.: 203-545-4 UK-REACH: Index No.: 607-023-00-0	<0.01%	Flam. Liq. 2, H225 Acute Tox. 4, H332 STOT SE 3, H335 Carc. 2, H351	[1]
Reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	CAS No.: 55965-84-9 EC No.: 911-418-6 UK-REACH: Index No.:	<0.0015%	EUH071 Acute Tox. 3, H301 Acute Tox. 2, H310 Skin Corr. 1C, H314 (SCL: 0.60 %) Skin Irrit. 2, H315 (SCL: 0.06 %) Skin Sens. 1A, H317 (SCL: 0.0015 %) Eye Dam. 1, H318 Acute Tox. 2, H330 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=100)	

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See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

▼ **Other information**

[1] European occupational exposure limit.

**SECTION 4: First aid measures**

4.1. **Description of first aid measures**

**General information**

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

**Inhalation**

Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with

him/her.

#### Skin contact

IF ON SKIN: Wash with plenty of water and soap.

Remove contaminated clothing and shoes. Ensure to wash exposed skin thoroughly with water and soap. DO NOT use solvents or thinners.

If skin irritation occurs: Get medical advice/attention.

#### Eye contact

Upon irritation of the eye: Remove contact lenses and open eyes widely. Flush eyes with water or saline water(20-30°C) for at least 5 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 in already sensitized persons.

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

None known.

#### 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.

#### 5.3. Advice for firefighters

Fire fighters should wear appropriate personal protective equipment.

### SECTION 6: Accidental release measures

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

No specific requirements.

#### 6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc.

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

Use sand, earth, vermiculite, diatomaceous earth to contain and collect non-combustible absorbent materials 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 temperature

> 0°C

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

#### 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

— vinyl acetate

Long term exposure limit (8 hours) (ppm): 5

Long term exposure limit (8 hours) (mg/m<sup>3</sup>): 17,6

Short term exposure limit (15 minutes) (ppm): 10

Short term exposure limit (15 minutes) (mg/m<sup>3</sup>): 35,2

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

EH40/2005 Workplace exposure limits (Fourth Edition 2020).

#### ▼ DNEL

vinyl acetate

Duration	Route of exposure	DNEL
Long term – Systemic effects - Workers	Dermal	420 µg/kgbw/day
Long term – Local effects - Workers	Inhalation	17.6 mg/m <sup>3</sup>
Long term – Systemic effects - Workers	Inhalation	17.6 mg/m <sup>3</sup>
Short term – Local effects - Workers	Inhalation	35.2 mg/m <sup>3</sup>
Short term – Systemic effects - Workers	Inhalation	35.2 mg/m <sup>3</sup>

#### ▼ PNEC

vinyl acetate

Route of exposure	Duration of Exposure	PNEC
Freshwater		16 µg/L
Freshwater sediment		67 µg/kg
Intermittent release (freshwater)		126 µg/L
Marine water		1.6 µg/L
Marine water sediment		6.7 µg/kg
Sewage treatment plant		6 mg/L
Soil		3.5 µg/kg

#### 8.2. Exposure controls

Compliance with the given occupational exposure limits values should be controlled on a regular basis.

##### General recommendations

Smoking, drinking and consumption of food is not allowed in the work area.

##### Exposure scenarios

There are no exposure scenarios implemented for this product.

##### Exposure limits

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

##### ▼ Appropriate technical measures

The formation of vapours must be kept at a minimum and below current limit values (see above). Installation of a local exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure emergency eyewash and -showers are clearly marked.

##### Hygiene measures

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.

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

##### ▼ Generally

Use only UKCA marked protective equipment.

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

#### Respiratory Equipment

No specific requirements

#### ▼ Skin protection

No specific requirements.

#### 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

White

#### ▼ Odour / Odour threshold

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

##### pH

7-9

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

1,3-1,6

#### ▼ Kinematic viscosity

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

##### Particle characteristics

Does not apply to liquids.

##### Phase changes

#### ▼ Melting point/Freezing point (°C)

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

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

Does not apply to liquids.

#### ▼ Boiling point (°C)

100

#### ▼ Vapour pressure

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

#### ▼ Relative vapour density

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

#### ▼ Decomposition temperature (°C)

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

##### Data on fire and explosion hazards

#### ▼ Flash point (°C)

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

#### ▼ Ignition (°C)

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

#### ▼ Auto flammability (°C)

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

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

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

##### Solubility

#### ▼ Solubility in water

Completely soluble

#### ▼ n-octanol/water coefficient

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

#### ▼ Solubility in fat (g/L)

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

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

## 9.2. Other information

VOC (g/L)

0

### ▼ Other physical and chemical parameters

No data available.

## SECTION 10: Stability and reactivity

### 10.1. ▼ Reactivity

No data available.

### 10.2. Chemical stability

The product is stable under the conditions, noted in section 7 "Handling and storage".

### 10.3. ▼ Possibility of hazardous reactions

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	bronopol
Test method	
Species	Rat
Route of exposure	Inhalation
Test	LC50
Result	800 mg/L
Other information	

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

Product/substance	bronopol
Test method	
Species	Rat
Route of exposure	Oral
Test	
Result	254 mg/kg ·
Other information	

Product/substance	Reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H-isothiazol-3-one (3:1)
Test method	
Species	Rat
Route of exposure	Oral
Test	LD50
Result	49,6-75 mg/kg ·
Other information	

Product/substance	Reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H-isothiazol-3-one (3:1)
Test method	
Species	Rat
Route of exposure	Inhalation
Test	LC50

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

Result	0,33 mg/l, 4 h aerosol ·
Other information	

Product/substance	Reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H-isothiazol-3-one (3:1)
Test method	
Species	Rabbit
Route of exposure	Dermal
Test	LD50
Result	141 mg/kg ·
Other information	

#### Skin corrosion/irritation

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

#### Serious eye damage/irritation

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

#### Respiratory sensitisation

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

#### ▼ Skin sensitisation

Product/substance	bronopol
Test method	
Species	Guinea pig
Result	No adverse effect observed (not sensitising)
Other information	

Product/substance	Reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H-isothiazol-3-one (3:1)
Test method	OECD 406
Species	Guinea pig
Result	Adverse effect observed (sensitising)
Other information	

#### 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

None known.

#### Other information

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

### SECTION 12: Ecological information

#### 12.1. Toxicity

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

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

Test method	
Species	Fish
Compartment	
Duration	96 hours
Test	LC50
Result	41,2 mg/l ·
Other information	

Product/substance	bronopol
Test method	
Species	Daphnia
Compartment	
Duration	48 hours
Test	EC50
Result	1,4 mg/l ·
Other information	

Product/substance	bronopol
Test method	
Species	Algae
Compartment	
Duration	72 hours
Test	EC50
Result	0,4 mg/l ·
Other information	

Product/substance	Reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H-isothiazol-3-one (3:1)
Test method	
Species	Algae
Compartment	
Duration	72 hours
Test	EC50
Result	0,027 mg/l ·
Other information	

#### 12.2. Persistence and degradability

Product/substance	bronopol
Biodegradable	Yes
Test method	OECD 301 B
Result	51-57%, Inherent, 28 days

Product/substance	Reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H-isothiazol-3-one (3:1)
Biodegradable	Yes
Test method	OECD 301 D
Result	>60%

#### 12.3. ▼ Bioaccumulative potential

Product/substance	Reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H-isothiazol-3-one (3:1)
Test method	
Potential bioaccumulation	No
LogPow	No data available.
BCF	3.6
Other information	

#### 12.4. ▼ Mobility in soil

No data available.

#### 12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

#### 12.6. ▼ Endocrine disrupting properties

None known.

#### 12.7. ▼ Other adverse effects

None known.

### SECTION 13: Disposal considerations



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

▼ **Waste treatment methods**

Product is not covered by regulations on dangerous waste.  
Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.

**EWC code**

08 04 10 Waste adhesives and sealants other than those mentioned in 08 04 09

▼ **Specific labelling**

Not applicable.

**Contaminated packing**

Packaging containing residues of the product must be disposed of similarly to the product.

**SECTION 14: Transport information**

	<b>14.1 UN / ID</b>	<b>14.2 UN proper shipping name</b>	<b>14.3 Hazard class(es)</b>	<b>14.4 PG*</b>	<b>14.5 Env**</b>	<b>Other information</b>
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**

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**

No specific requirements.

▼ **SEVESO - Categories / dangerous substances**

Not applicable.

▼ **Additional information**

Not applicable.

▼ **Sources**

In accordance with Regulation (EU) No 528/2012 concerning the making available on the market and use of biocidal products as retained and amended in UK law.  
2012 No. 1715 ENVIRONMENTAL PROTECTION: The Volatile Organic Compounds in Paints, Varnishes and Vehicle Refinishing Products Regulations 2012.  
Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.  
Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP) as retained and amended in UK law.  
Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) as retained and amended in UK law.

**15.2. Chemical safety assessment**

No

**SECTION 16: Other information**

▼ **Full text of H-phrases as mentioned in section 3**

H314, Corrosive to the respiratory tract.  
H225, Highly flammable liquid and vapour.  
H301, Toxic if swallowed.  
H302, Harmful if swallowed.

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

H310, Fatal in contact with skin.  
H312, Harmful in contact with skin.  
H314, Causes severe skin burns and eye damage.  
H315, Causes skin irritation.  
H317, May cause an allergic skin reaction.  
H318, Causes serious eye damage.  
H330, Fatal if inhaled.  
H332, Harmful if inhaled.  
H335, May cause respiratory irritation.  
H351, Suspected of causing cancer.  
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  
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]  
CSA = Chemical Safety Assessment  
CSR = Chemical Safety Report  
DMEL = Derived Minimal Effect Level  
DNEL = Derived No Effect Level  
EINECS = European Inventory of Existing Commercial chemical Substances  
ES = Exposure Scenario  
EUH statement = CLP-specific Hazard statement  
EWC = European Waste Catalogue  
GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
IARC = International Agency for Research on Cancer (IARC)  
IATA = International Air Transport Association  
IBC = Intermediate Bulk Container  
IMDG = International Maritime Dangerous Goods  
LogPow = logarithm of the octanol/water partition coefficient  
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)  
OECD = Organisation for Economic Co-operation and Development  
PBT = Persistent, Bioaccumulative and Toxic  
PNEC = Predicted No Effect Concentration  
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail  
RRN = REACH Registration Number  
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

Product Safety Department

#### Other

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

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

Country-language: GB-en