



# SAFETY DATA SHEET

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

### 1.1. Product identifier

**Trade name**

118 Let Medium Spartel

**Product no.**

118100

**REACH registration number**

Not applicable

### 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 & Jørgensen A/S  
Rosenkaeret 25-29  
DK-2860 Soeborg, Denmark  
Phone: +45 39 53 03 11  
www.bj.dk

**Contact person**

Mikael Jensen

**E-mail**

miljo@bj.dk

**SDS date**

2020-08-17

**SDS Version**

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)

### 2.2. Label elements

**Hazard pictogram(s)**

Not applicable

**Signal word**

-

**Hazard statement(s)**

Not applicable

**Precautionary statements**

General	-
Prevention	-
Response	-
Storage	-
Disposal	-



According to EC-Regulation 2015/830

### Identity of the substances primarily responsible for the major health hazards

Not applicable

### Additional labelling

Contains 1,2-benzisothiazol-3(2H)-on, 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).

Safety data sheet available on request. (EUH210)

### Unique formula identifier (UFI)

-

### 2.3. Other hazards

Not applicable

### Additional warnings

Not applicable

### VOC (volatile organic compound)

Not applicable

## SECTION 3: Composition/information on ingredients

### 3.1/3.2. Substances/Mixtures

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: <0.05%  
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: <0.0015%  
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.

### Other information

ATEmix(inhale, vapour) > 20  
ATEmix(inhale, dust/mist) > 5  
ATEmix(dermal) > 2000  
ATEmix(oral) > 2000  
 $N_{\text{chronic}} (\text{CAT } 4) \text{ Sum} = \text{Sum}(C_i / (M(\text{chronic})^i * 25) * 0.1 * 10^{\text{CAT}4}) = 0,00004768 - 0,00007152$   
 $N_{\text{acute}} (\text{CAT } 1) \text{ Sum} = \text{Sum}(C_i / M(\text{acute})^i * 25) = 0,004768 - 0,007152$

Detergent:

## 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.



According to EC-Regulation 2015/830

#### **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

According to EC-Regulation 2015/830

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

#### **DNEL / PNEC**

No data available

#### **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**

No specific requirements.

#### **Skin protection**

No specific requirements.

#### **Hand protection**

Nitrile rubber

Breakthrough time: > 30 minutes (Class 2)

#### **Eye protection**

No specific requirements.

### **SECTION 9: Physical and chemical properties**

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

Form	Paste
Colour	Light gray
Odour	No data available.
Odour threshold (ppm)	No data available.
pH	8,5 - 9
Viscosity (40°C)	No data available.
Density (g/cm <sup>3</sup> )	0,9
<b>Phase changes</b>	
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.
<b>Data on fire and explosion hazards</b>	
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.

According to EC-Regulation 2015/830

### 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

#### 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

According to EC-Regulation 2015/830

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: 0,10 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: 0,048 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

According to EC-Regulation 2015/830

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: 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: 48 h  
Result: 0,00064 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: NOEC  
Duration: 21 d  
Result: 0,004 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: 28 d  
Result: 0,098 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: 72 h  
Result: 0,0012 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



According to EC-Regulation 2015/830

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

### 12.2. Persistence and degradability

Substance	Biodegradability	Test	Result
1,2-benzisothiazol-3(2H)-on	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

### 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.).

### 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 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  
17 09 04 mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03

#### 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

UN-no. -  
Proper Shipping Name -  
Class -





According to EC-Regulation 2015/830

<b>PG*</b>	-
<b>EmS</b>	-
<b>MP**</b>	-
<b>Hazardous constituent</b>	-
<b>IATA/ICAO</b>	
<b>UN-no.</b>	-
<b>Proper Shipping Name</b>	-
<b>Class</b>	-
<b>PG*</b>	-

#### 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

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

#### Seveso

-

#### Biocidal reg. no.

Not applicable

#### Sources

Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents.

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.



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**

-

**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)**

-

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

-

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