

# Material Safety Data Sheet

Completed 27-07-2022  
Revision: (date) -  
SDS version 2.0

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

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### 1.1. Product Identifier

Trade Name: 1K Tætningssmasse, 2K Binder

Product- no.:

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

**Recommended uses:**

Building chemical paste / liquid.

**Uses advised against:**

This product must not be used for purposes other than those recommended without first seeking the advice of the supplier.

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

**Company and address:**

Alfix A/S  
H.C. Ørsteds Vej 11-13  
DK-6000 Kolding  
Denmark  
+45 75 52 90 11

**Contact person and E-mail:**

Frank Pingel, fp@alfix.dk

**The Safety data sheet is completed and validated by:**

Mediator A/S, Centervej 2, DK-6000 Kolding. Consultant: KN

### 1.4. Emergency telephone number

NHS: 111

Use your national or local emergency number - See section 4 "First aid measures".

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## SECTION 2: Hazards identification

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### 2.1. Classification of the substance or mixture

CLP (1272/2008):

EUH 208

EUH 211, EUH210

See full text of H-phrases in section 16.

### 2.2. Label elements

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**Signal word:**

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Contains 2-octyl-2H-isothiazol-3-one, Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1), 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction. (EUH 208)

Safety data sheet available on request. (EUH 210)

Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist. (EUH 211)

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## 2.3. Other hazards

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## Additional labelling:

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## Additional warnings

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## SECTION 3: Composition/information on ingredients

### 3.1/3.2. Substances/Mixtures

Substance	EU-Index no. / REACH-Reg. no.	CAS-no.	EINECS-no.	CLP-classification	Wt/Wt %	Note
Dolomite	- / -	16389-88-1	240-440-2	-	1-60	-
Titanium dioxide	022-006-00-2 / -	13463-67-7	236-675-5	Carc. 2;H351	0,5-5	-
2-octyl-2H-isothiazol-3-one	613-112-00-5 / -	26530-20-1	247-761-7	Acute Tox. 3;H301, Acute Tox. 3;H311, Skin Corr. 1;H314, Skin Sens. 1A;H317, Acute Tox. 2;H330, Aquatic Acute 1;H400, M=100, Aquatic Chronic 1;H410, M=100, EUH 071	<0,0015	1
Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	613-167-00-5 / -	55965-84-9	-	Acute Tox. 3;H301, Acute Tox. 2;H310, Skin Corr. 1C;H314, Skin Sens. 1A;H317, Acute Tox. 2;H330, Aquatic Acute 1;H400, M=100, Aquatic Chronic 1;H410, M=100, EUH 071	<0,0015	1
1,2-benzisothiazol-3(2H)-one	613-088-00-6 / -	2634-33-5	220-120-9	Acute Tox. 4;H302, Skin Irrit. 2;H315, Skin Sens. 1;H317, Eye Dam. 1;H318, Aquatic Acute 1;H400, M=1	<0,05	1

1) Specific concentration limits.

See full text of H-phrases in section 16.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### Inhalation:

In case of discomfort: Seek fresh air.  
Keep victim under observation.  
Seek medical advice in case of breathing difficulties.

#### Ingestion:

Wash out mouth thoroughly and drink 1-2 glasses of water in small sips.  
Seek medical advice in case of discomfort.

#### Skin contact:

Remove contaminated clothing.  
Wash the skin thoroughly with water and continue washing for a long time.  
Seek medical advice in case of discomfort.

#### Eye contact:

Flush with water (preferably using eye wash equipment) until irritation subsides. Seek medical advice if symptoms persist.

#### Additional information:

When obtaining medical advice, show the safety data sheet or label.

### 4.2. Most important symptoms and effects, both acute and delayed

May cause slight irritation to the skin and eyes.

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

Show this safety data sheet to the doctor in attendance.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Surrounding fire:  
Extinguish with powder, foam, carbon dioxide or water mist.  
Do not use water stream, as it may spread the fire.

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## 5.2. Special hazards arising from the substance or mixture

The product is not directly flammable. Avoid inhalation of vapour and fumes – seek fresh air.  
Hazardous fumes are formed in fire conditions.

## 5.3. Advice for firefighters

If there is a risk of exposure to vapour and flue gases, a self-contained breathing apparatus must be worn.

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## SECTION 6: Accidental release measures

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

See section 8 for type of protective equipment.  
Avoid breathing and contact with skin and eyes.

### 6.2. Environmental precautions

Avoid unnecessary release to the environment.

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

Contain and absorb spill with sand or other absorbent material and transfer to suitable waste containers.

### 6.4. Reference to other sections

See section 8 for type of protective equipment.  
See section 13 for instructions on disposal.

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## SECTION 7: Handling and storage

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### 7.1. Precautions for safe handling

See section 8 for information about precautions for use and personal protective equipment.  
Use the product under well-ventilated conditions.

### 7.2. Conditions for safe storage, including any incompatibilities

The product should be stored safely, out of reach of children and away from food, animal feeding stuffs, medicines, etc.  
Keep in tightly closed original packaging.  
Store in a well-ventilated area.

### 7.3. Specific end use(s)

See application section 1.

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## SECTION 8: Exposure controls/personal protection

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### 8.1. Control parameters

Occupational exposure limits according to EH40/2005 Workplace exposure limits (Fourth Edition 2020):

Substance	Long-term exposure limit ppm / mg/m <sup>3</sup>	Short-term exposure limit ppm / mg/m <sup>3</sup>	Note
Titanium dioxide			
- Total inhalable	- / 10	-/-	-
- Respirable	- / 4	-/-	

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## DNEL/PNEC-values:

### DNEL Titanium dioxide

Inhalation - Chronic Systemic

**Workers**  
2.5 mg/m<sup>3</sup>

**Consumers**  
-

### DNEL 1,2-benzisothiazol-3(2H)-one

Inhalation - Chronic Systemic

**Workers**  
6,81 mg/m<sup>3</sup>  
0,966 mg/kg bw/day

**Consumers**  
1,2 mg/m<sup>3</sup>  
0,345 mg/kg bw/day

Dermal - Chronic Systemic

### PNEC 2-octyl-2H-isothiazol-3-one

Fresh water

2,2 µg/L

Intermittent releases (Fresh water)

1,22 µg/L

Marine water

0,22 µg/L

Intermittent releases (Marine water)

0,122 µg/L

Soil

8,2 µg/kg soil dw

### PNEC 1,2-benzisothiazol-3(2H)-one

Fresh water

4,03 µg/L

Intermittent releases (Fresh water)

1,1 µg/L

Marine water

0,403 µg/L

Intermittent releases (Marine water)

110 ng/L

Soil

3 mg/kg soil dw

## 8.2. Exposure controls

There are no exposure scenarios for this product.

### **Appropriate engineering controls:**

Wear the personal protective equipment specified below.

Wash hands before breaks, before using restroom facilities, and at the end of work.

### **Personal protective equipment:**



### **Respiratory protection:**

In case of insufficient ventilation, wear respiratory protective equipment with filter P2.

### **Hand protection:**

Wear protective gloves made of nitrile rubber.

### **Eye/face protection:**

Wear safety goggles if there is a risk of eye splash.

### **Skin protection:**

Generally not required.

### **Environmental exposure controls:**

Ensure compliance with local regulations for emissions.

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## SECTION 9: Physical and chemical properties

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

Physical state:	Liquid
Colour:	-
Odour:	-
Melting point/ Freezing Point (°C):	-
Boiling point or initial boiling point and boiling range (°C):	-
Flammability:	-
Lower and upper explosion limit (vol-%):	-
Flash point (°C):	-
Auto-ignition temperature (°C):	-
Decomposition temperature (°C):	-
pH:	-
Kinematic viscosity (mm <sup>2</sup> /s):	-
Solubility:	-
Partition coefficient n-octanol/water (log value)	-
Vapour pressure:	-
Density and/or relative density:	-
Relative vapour density:	-
Particle characteristics:	-

### 9.2. Other information

None.

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## SECTION 10: Stability and reactivity

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### 10.1. Reactivity

No data.

### 10.2. Chemical stability

The product is stable when used in accordance with the supplier's directions.

### 10.3. Possibility of hazardous reactions

None known.

### 10.4. Conditions to avoid

None known.

### 10.5. Incompatible materials

None known.

### 10.6. Hazardous decomposition products

No special precautions regarding contact with other materials at the recommended storage conditions.

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## SECTION 11: Toxicological information

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### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### **Acute toxicity:**

Based on the existing data, the classification is not met.

Substance	exposure	Species	Test	Result
Titanium dioxide	Inhalation	Rat	LC50/ 4 Hours	> 6.82 mg/L
2-octyl-2H-isothiazol-3-one	Oral	Rat	LD50	125 mg/kg bw
2-octyl-2H-isothiazol-3-one	Inhalation	Rat	LC50/ 4 Hours	0.27 mg/L (dusts/mists)
2-octyl-2H-isothiazol-3-one	Dermal	Rat	LD50	311 mg/kg bw
1,2-benzisothiazol-3(2H)-one	Oral	Rat	LD50	490 mg/kg bw
1,2-benzisothiazol-3(2H)-one	Dermal	Rabbit	LD50	> 2000 mg/kg bw

#### **Skin corrosion/irritation:**

May cause slight irritation.

#### **Serious eye damage/irritation:**

May cause eye irritation.

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## **Respiratory or skin sensitisation:**

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

## **Germ cell mutagenicity:**

Based on the existing data, the classification is not met.

## **Carcinogenicity:**

Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

## **Reproductive toxicity:**

Based on the existing data, the classification is not met.

## **STOT-single exposure:**

Based on the existing data, the classification is not met.

## **STOT-repeated exposure:**

Based on the existing data, the classification is not met.

## **Aspiration hazard:**

Based on the existing data, the classification is not met.

## **11.2. Information on other hazards**

Test data are not available.

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## **SECTION 12: Ecological information**

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### **12.1. Toxicity**

Substance	Test duration	Species	Test	Result
Titanium dioxide	72 Hours	Algae	EC50	> 100 mg/L
1,2-benzisothiazol-3(2H)-one	96 Hours	Fish	LC50	2.15 mg/L
1,2-benzisothiazol-3(2H)-one	48 Hours	Daphnia	EC50	2.9 mg/L
1,2-benzisothiazol-3(2H)-one	72 Hours	Algae	EC50	110 µg/L

### **12.2. Persistence and degradability**

Substance	Biodegradability	Test	Result
1,2-benzisothiazol-3(2H)-one	Yes	OECD Guideline 301 C	4 Days 64%

### **12.3. Bioaccumulative potential**

Substance	Potential bioaccumulation	LogPow
1,2-benzisothiazol-3(2H)-one	No	0.7

### **12.4. Mobility in soil**

Test data are not available.

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

The product does not meet the criteria for PBT or vPvB.

### **12.6. Endocrine disrupting properties**

Test data are not available.

### **12.7. Other adverse effects**

None.

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## **SECTION 13: Disposal considerations**

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### **13.1. Waste treatment methods**

The product is not classified as hazardous waste according to Waste Management. Disposal of spillage and waste via the municipal waste collection service with the specifications below is recommended.

EWC-Code	Description
08 04 10	waste adhesives and sealants other than those mentioned in 08 04 09

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## Specific labelling:

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## Contaminated packaging:

Uncleansed packaging is to be disposed of via the local waste-removal scheme.

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## SECTION 14: Transport information

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The product is not covered by the rules for transport of dangerous goods by road and sea according to ADR and IMDG.

### 14.1 -14.4.

#### ADR

-

#### IMDG

-

### 14.5. Environmental hazards

-

### 14.6. Special precautions for user

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### 14.7. Maritime transport in bulk according to IMO instruments

Not relevant.

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## SECTION 15: Regulatory information

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

#### Sources:

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

#### Additional labelling:

-

#### Restrictions for application:

-

#### Demands for specific education:

-

### 15.2. Chemical safety assessment

None.

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## SECTION 16: Other information

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According to EU regulation 1907/2006 (REACH)

#### Other information:

##### Sources:

EC regulation 1907/2006 (REACH), with amendments.

EC Regulation 1272/2008 (CLP), with amendments.

EU regulation no. 276/2010

Directive 2000/532/EC

ECHA - The European Chemicals Agency

#### Full text of H-phrases as mentioned in section 2+3:

H301	Toxic if swallowed.
H302	Harmful if swallowed.
H310	Fatal in contact with skin.
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.
H330	Fatal if inhaled.
H351	Suspected of causing cancer.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
EUH 071	Corrosive to the respiratory tract.
EUH 208	Contains 2-octyl-2H-isothiazol-3-one, Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1), 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.
EUH 211	Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

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**Classification according to Regulation (EC) Nr. 1272/2008:**

EUH 208 Calculation method  
EUH 211 Calculation method

**Abbreviations and acronyms used in the safety data sheet:**

REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals. Regulation (EC) No 1907/2006.

CLP: Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008.

CAS-Number.: Chemical Abstracts Service number.

EC-Number.: EINECS and ELINCS Number (see also EINECS and ELINCS).

DNEL: Derived No Effect Level.

PNEC(s): Predicted No Effect Concentration(s).

STOT: Specific Target Organ Toxicity.

LD50: Lethal Dose to 50% of a test population (Median Lethal Dose).

LC50: Lethal Concentration to 50 % of a test population.

EC50: The effective concentration of substance that causes 50% of the maximum response.

PBT: Persistent, Bioaccumulative and Toxic.

vPvB: Very Persistent and Very Bioaccumulative.

NOEC: The highest tested concentration at which, in a study, no statistically significant effect is observed in the exposed population compared with an appropriate control group.

NOAEL: The highest tested dose or exposure level at which there are no statistically significant increases in the frequency or severity of adverse effects between the exposed population and an appropriate control group; some effects may be produced at this level, but they are not considered adverse or precursors of adverse effects.

**Other:**

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.

**Minor changes have been made in following sections:**

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**This material safety data sheet replaces version:**

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