

# SAFETY DATA SHEET

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

### 1.1. Product identifier

**Trade name**

KC14

**Product no.**

-

**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**

Filler

**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**

Detale CPH Aps  
Islevdalvej 151  
DK-2610 Rødovre  
Tlf. +45 70 15 15 05  
www.detalecph.com

**Contact person**

**E-mail**

hello@detalecph.com

**SDS date**

2019-05-02

**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

### 2.2. Label elements

**Hazard pictogram(s)**

Not applicable

**Signal word**

-

▼ **Hazard statement(s)**

Not applicable

**Precautionary statements**

General	-
Prevention	-
Response	-
Storage	-
Disposal	-

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

Not applicable

#### ▼ Additional labelling

Contains 1,2-Benzisothiazol-3(2H)-one (BIT), 5-Chloro-2-methyl-4-isothiazolin-3-one/2-Methyl-2H-isothiazol-3-one (3:1) (CMIT/MIT (3:1)). May produce an allergic reaction. (EUH208).

#### 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)-one (BIT)
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, Skin Sens. 1, Eye Dam. 1, Acute Tox. 1, Aquatic Acute 1, Aquatic Chronic 2 H302, H315, H317, H318, H330, H400, H411 (M-acute = 1)

NAME:	5-Chloro-2-methyl-4-isothiazolin-3-one/2-Methyl-2H-isothiazol-3-one (3:1) (CMIT/MIT (3:1))
IDENTIFICATION NOS.:	CAS-no: 55965-84-9 EC-no: - Index-no: 613-167-00-5
CONTENT:	<0.0015%
CLP CLASSIFICATION:	Flam. Liq. 3, Skin Irrit. 2, Skin Sens. 1, Acute Tox. 3, Acute Tox. 4, Aquatic Chronic 2 H226, H315, H317, H331, H332, H411

(\*) 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

## 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 medic**

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. Some metal 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**

Store frost-free.

▼ **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**

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**

Dust, which is unhealthy, is produced when treated surfaces are grinded. Use respiratory protection if necessary (P2).

▼ **Skin protection**

Use suitable protective clothing, for example overalls made of polypropylene or work clothes made of cotton/polyester.

▼ **Hand protection**

Nitrile rubber (EN 374)

Breakthrough time: See the manufacturer's instructions.

**Eye protection**

Wear eye protection if there is a risk of splashes/dust in the eyes.

**SECTION 9: Physical and chemical properties**

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

Form	Pasta
Colour	Light gray
Odour	Characteristic
Odour threshold (ppm)	No data available.
pH	9,3
Viscosity (40°C)	No data available.
Density (g/cm <sup>3</sup> )	1,1

**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

No data available.

#### Skin corrosion/irritation

No data available.

#### Serious eye damage/irritation

No data available.

#### ▼ Respiratory or skin sensitisation

This product contains substances that may trigger an allergic reaction to predisposed persons.

#### Germ cell mutagenicity

No data available.

#### Carcinogenicity

No data available.

#### Reproductive toxicity

No data available.

#### STOT-single exposure

No data available.

#### 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-Chloro-2-methyl-4-isothiazolin-3-one/2-Methyl-2H-isothiazol-3-one (3:1) (CMIT/MIT (3:1))

Species: *Oncorhynchus mykiss*

Test: NOEC

Duration: 14 d

Result: 0,05 mg/l

Substance: 5-Chloro-2-methyl-4-isothiazolin-3-one/2-Methyl-2H-isothiazol-3-one (3:1) (CMIT/MIT (3:1))

Species: *Oncorhynchus mykiss*

Test: LC50

Duration: 96 h

Result: 0,19 mg/l

Substance: 5-Chloro-2-methyl-4-isothiazolin-3-one/2-Methyl-2H-isothiazol-3-one (3:1) (CMIT/MIT (3:1))

Species: *Daphnia magna*

Test: EC50

Duration: 48 h

Result: 0,1 mg/l

Substance: 5-Chloro-2-methyl-4-isothiazolin-3-one/2-Methyl-2H-isothiazol-3-one (3:1) (CMIT/MIT (3:1))

Species: *Scenedesmus capricornutum*

According to EC-Regulation 2015/830

Test: EC50  
Duration: 72 h  
Result: 0,027 mg/l

Substance: 5-Chloro-2-methyl-4-isothiazolin-3-one/2-Methyl-2H-isothiazol-3-one (3:1) (CMIT/MIT (3:1))  
Species: *Oncorhynchus mykiss*  
Test: EC50  
Duration: 96 h  
Result: 0,22 mg/l

Substance: 5-Chloro-2-methyl-4-isothiazolin-3-one/2-Methyl-2H-isothiazol-3-one (3:1) (CMIT/MIT (3:1))  
Species: *Skeletonema costatum*  
Test: EC50  
Duration: 48 h  
Result: 0,0052 mg/l

Substance: 5-Chloro-2-methyl-4-isothiazolin-3-one/2-Methyl-2H-isothiazol-3-one (3:1) (CMIT/MIT (3:1))  
Species: *Skeletonema costatum*  
Test: NOEC  
Duration: 48 h  
Result: 0,00049 mg/l

Substance: 5-Chloro-2-methyl-4-isothiazolin-3-one/2-Methyl-2H-isothiazol-3-one (3:1) (CMIT/MIT (3:1))  
Species: *Daphnia magna*  
Test: NOEC  
Duration: 21 d  
Result: 0,004 mg/l

Substance: 1,2-Benzisothiazol-3(2H)-one (BIT)  
Species: *Skeletonema costatum*  
Test: ErC50  
Duration: 72 h  
Result: 0,36 mg/l

Substance: 1,2-Benzisothiazol-3(2H)-one (BIT)  
Species: *Skeletonema costatum*  
Test: NOEC  
Duration: 72 h  
Result: 0,15 mg/l

Substance: 1,2-Benzisothiazol-3(2H)-one (BIT)  
Species: *Pseudokirchneriella subcapitata*  
Test: NOEC  
Duration: 72 h  
Result: 0,21 mg/l

Substance: 1,2-Benzisothiazol-3(2H)-one (BIT)  
Species: Fish  
Test: LC50  
Duration: 96 h  
Result: 0,74 mg/l

Substance: 1,2-Benzisothiazol-3(2H)-one (BIT)  
Species: *Pseudokirchneriella subcapitata*  
Test: ErC50  
Duration: 72 h  
Result: 0,11 mg/l

Substance: 1,2-Benzisothiazol-3(2H)-one (BIT)  
Species: *Pseudokirchneriella subcapitata*  
Test: EC10  
Duration: 72 h  
Result: 0,04 mg/l

Substance: 1,2-Benzisothiazol-3(2H)-one (BIT)  
Species: *Selenastrum capricornutum*  
Test: EC50  
Duration: 72 h  
Result: 0,11 mg/l

Substance: 1,2-Benzisothiazol-3(2H)-one (BIT)  
Species: *Daphnia magna*  
Test: EC0  
Duration: 48 h  
Result: 0,643 mg/l

## 12.2. Persistence and degradability

Substance	Biodegradability	Test	Result
No data available.			
<b>12.3. Bioaccumulative potential</b>			
Substance	Potential bioaccumulation	LogPow	BCF
5-Chloro-2-methyl-4-isothiazol...	No	0,401	No data available
1,2-Benzisothiazol-3(2H)-one (...)	No	No data available	3,2

**12.4. Mobility in soil**

5-Chloro-2-methyl-4-isothiazol...: Log Koc= 0,3959519, 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

08 02 99 wastes not otherwise specified

▼ **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 -
- 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

##### Restrictions for application

-

##### Demands for specific education

-

##### Additional information

Not applicable

##### Seveso

-

##### Biocidal reg. no.

Not applicable

##### Sources

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).

The Control of Major Accident Hazards (COMAH) Regulations 2015.

#### 15.2. Chemical safety assessment

No

### SECTION 16: Other information

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

H226 - Flammable liquid and vapour.

H302 - Harmful if swallowed.

H315 - Causes skin irritation.

H317 - May cause an allergic skin reaction.

H318 - Causes serious eye damage.

H330 - Fatal if inhaled.

H331 - Toxic if inhaled.

H332 - Harmful if inhaled.

H400 - Very toxic to aquatic life.

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

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

STTAN

#### Date of last essential change

#### (First cipher in SDS version)

2017-09-15(1.0)

#### Date of last minor change

#### (Last cipher in SDS version)

2017-09-15



