

**Safety Data Sheet**  
**according to Regulation (EC) No. 1907/2006 (REACH)**

( EN / D )

**Trade name :**     **Lithofin MN Betoncoating -black-**

**Revision date :**                      09.01.2026

**Version (Revision) :**                      4.0.0 (3.0.1)

**Print date :**                              02.03.2026

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

**1.1 Product identifier**

Lithofin MN Betoncoating -black-

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

**Relevant identified uses**

Mixture Sealer, Emulsions/Coating products

**1.3 Details of the supplier of the safety data sheet**

**Distributor :**                              Casdron Enterprises Ltd.  
**Street :**                                      Wood End, Prospect Road  
**Postal code/City :**                      New Alresford, Hants SO 24 9QF  
**Land :**                                        GREAT BRITAIN  
**Telephone :**                                +44 1962 732126  
**Telefax :**                                    +44 1962 735373  
**Contact :**                                    Technical Department  
**E-mail :**                                      sales@lithofin.co.uk

**Emergency telephone number :**     **+44 1962 732126**  
(Only available during office hours)

**Supplier :**                                    Lithofin AG  
**Street :**                                      Heinrich-Otto-Str. 36  
**Postal code/City :**                      73240 Wendlingen  
**Country :**                                    GERMANY  
**Telephone :**                                +49 7024 9403 0  
**Telefax :**                                    +49 7024 9403 40  
**Contact :**                                    Technical Department  
**E-mail :**                                      info@lithofin.de

**Emergency telephone number :**     **+49 7024 9403 0**  
(Only available during office hours)

**1.4 Emergency telephone number**

see section 1.3

**SECTION 2: Hazards identification**

**2.1 Classification of the substance or mixture**

**Classification according to Regulation (EC) No 1272/2008 [CLP]**

None

**Additional information**

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

**Remark**

For full text of Hazard- and EU Hazard-statements: see SECTION 16.

**2.2 Label elements**

**Labelling according to Regulation (EC) No. 1272/2008 [CLP]**

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**Precautionary statements**

- P102 Keep out of reach of children.  
P273 Avoid release to the environment.  
P501 Dispose of contents/container in accordance with local and national regulations.

**Special rules for supplemental label elements for certain mixtures**

- EUH208 Contains 1,2-BENZISOTHIAZOL-3(2H)-ONE ; 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.

**Other labelling**

**2.3 Other hazards**

**Adverse human health effects and symptoms**

This product does not contain a substance that has endocrine disrupting properties with respect to humans as no components meets the criteria.

**Adverse environmental effects**

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

**2.4 Additional information**

see section 12.5

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

**3.2 Mixtures**

**Hazardous ingredients**

1,2-BENZISOTHIAZOL-3(2H)-ONE ; EC No. : 220-120-9; CAS No. : 2634-33-5

- Weight fraction :  $\geq 0,0036 - < 0,036 \%$   
Classification 1272/2008 [CLP] : Acute Tox. 2 ; H330 Eye Dam. 1 ; H318 Acute Tox. 4 ; H302 Skin Irrit. 2 ; H315 Skin Sens. 1A ; H317 Aquatic Acute 1 ; H400 Aquatic Chronic 1 ; H410  
Specific Conc. Limits : Skin Sens. 1 ; H317:  $C \geq 0,036 \%$  • (M Acute=1) • (ATE - inhalative (dust, mist) : 0,21 mg/L) • (ATE - oral : 450 mg/kg)

REACTION MASS OF: 5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE AND 2-METHYL-2H -ISOTHIAZOL-3-ONE (3:1) ; REACH No. : 01-2120764691-48-xxxx ; CAS No. : 55965-84-9

- Weight fraction :  $\geq 0,00015 - < 0,0015 \%$   
Classification 1272/2008 [CLP] : Acute Tox. 2 ; H310 Acute Tox. 2 ; H330 Acute Tox. 3 ; H301 Skin Corr. 1C ; H314 Eye Dam. 1 ; H318 Skin Sens. 1A ; H317 Aquatic Acute 1 ; H400 Aquatic Chronic 1 ; H410 EUH071  
Specific Conc. Limits : Eye Dam. 1 ; H318:  $C \geq 0,6 \%$  • Skin Corr. 1C ; H314:  $C \geq 0,6 \%$  • Eye Irrit. 2 ; H319:  $C \geq 0,06 \%$  • Skin Irrit. 2 ; H315:  $C \geq 0,06 \%$  • Skin Sens. 1A ; H317:  $C \geq 0,0015 \%$  • (M=100)

**Contains the following substances of very high concern (SVHC) which are included in the Candidate List according to Article 59 of REACH**

None (below the concentration limit)

**Contains the following substances of very high concern (SVHC) which are subject to authorisation according to Annex XIV of REACH**

None (below the concentration limit)

**Additional information**

All ingredients of this mixture are (pre)registered according to REACH regulation.

For full text of Hazard- and EU Hazard-statements: see SECTION 16.

**SECTION 4: First aid measures**

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**4.1 Description of first aid measures**

**General information**

When in doubt or if symptoms are observed, get medical advice. Never give anything by mouth to an unconscious person or a person with cramps. If unconscious but breathing normally, place in recovery position and seek medical advice.

**Following inhalation**

Remove casualty to fresh air and keep warm and at rest. In case of respiratory tract irritation, consult a physician.

**In case of skin contact**

After contact with skin, wash immediately with plenty of water and soap. Immediately remove any contaminated clothing, shoes or stockings. Do not wash with: Cleaning agent, acidic Cleaning agent, alkaline Solvents/Thinner

**After eye contact**

Rinse immediately carefully and thoroughly with eye-bath or water. Protect uninjured eye. In case of eye irritation consult an ophthalmologist.

**Following ingestion**

When in doubt or if symptoms are observed, get medical advice. Rinse mouth thoroughly with water. Do NOT induce vomiting.

**Self-protection of the first aider**

First aider: Pay attention to self-protection!

**4.2 Most important symptoms and effects, both acute and delayed**

No information available.

**4.3 Indication of any immediate medical attention and special treatment needed**

None

**SECTION 5: Firefighting measures**

**5.1 Extinguishing media**

**Suitable extinguishing media**

Water spray jet ABC-powder Foam

**Unsuitable extinguishing media**

Full water jet Strong water jet

**5.2 Special hazards arising from the substance or mixture**

**Hazardous combustion products**

Carbon monoxide Carbon dioxide (CO<sub>2</sub>)

**5.3 Advice for firefighters**

Use suitable breathing apparatus.

**Special protective equipment for firefighters**

Wear a self-contained breathing apparatus and chemical protective clothing.

**5.4 Additional information**

Use water spray jet to protect personnel and to cool endangered containers. Do not allow run-off from fire-fighting to enter drains or water courses. Do not inhale explosion and combustion gases. The product itself does not burn. Co-ordinate fire-fighting measures to the fire surroundings.

**SECTION 6: Accidental release measures**

**6.1 Personal precautions, protective equipment and emergency procedures**

Wear personal protection equipment (refer to section 8). Provide adequate ventilation. Remove persons to safety.

**6.2 Environmental precautions**

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

**6.3 Methods and material for containment and cleaning up**

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## For cleaning up

Suitable material for taking up: Universal binder

Clean contaminated articles and floor according to the environmental legislation.

## Other information

Clear spills immediately.

## 6.4 Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

When using do not eat, drink, smoke, sniff.

#### Protective measures

not useable after freezing. Inhalation of vapours or spray/mists Skin contact Eye contact Wear personal protection equipment (refer to section 8). Always close containers tightly after the removal of product. Do not breathe gas/fumes/vapour/spray. Use only in well-ventilated areas. If local exhaust ventilation is not possible or not sufficient, the entire working area must be ventilated by technical means. Technical measures and the application of suitable work processes have priority over personal protection equipment.

#### Measures to prevent fire

The product is not: Flammable Usual measures for fire prevention.

**Fire class :** -

#### Advices on general occupational hygiene

P362+P364 - Take off contaminated clothing and wash it before reuse.

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

#### Requirements for storage rooms and vessels

Keep container tightly closed. Keep/Store only in original container. The floor should be leak tight, jointless and not absorbent. Ensure adequate ventilation of the storage area.

#### Hints on joint storage

**Storage class (TRGS 510) :** 12

**Protect from frost** Yes

**Recommended storage temperature** 5 - 25 °C

#### Further information on storage conditions

Keep locked up and out of reach of children. Keep container tightly closed in a cool, well-ventilated place.

### 7.3 Specific end use(s)

#### Recommendation

Observe technical data sheet. Observe instructions for use.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational exposure limit values

2-(2-ETHOXYETHOXY)ETHANOL ; CAS No. : 111-90-0

Limit value type (country of origin) : TRGS 900 ( D )

Limit value : 6 ppm / 35 mg/m<sup>3</sup>

Peak limitation : 2(I)

Remark : Y

Version : 06.05.2025

PYRIDINE-2-THIOL 1-OXIDE, SODIUM SALT ; CAS No. : 3811-73-2

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Limit value type (country of origin) : KZW ( A )

Limit value : 4 mg/m<sup>3</sup>

Peak limitation : 15Miw, 4x

Remark : H

Version :

Limit value type (country of origin) : TMW / TWA ( A )

Limit value : 1 mg/m<sup>3</sup>

Remark : H

Version :

Limit value type (country of origin) : KZG / STEL ( CH )

Parameter : E: inhalable fraction

Limit value : 0,4 mg/m<sup>3</sup>

Remark : SSC, H

Version :

Limit value type (country of origin) : MAK ( CH )

Parameter : E: inhalable fraction

Limit value : 0,2 mg/m<sup>3</sup>

Remark : SSC,H

Version :

Limit value type (country of origin) : TWA ( DK )

Limit value : 1 mg/m<sup>3</sup>

Remark : H

Version :

1-METHOXY-2-PROPANOL ; CAS No. : 107-98-2

Limit value type (country of origin) : TRGS 900 ( D )

Limit value : 100 ppm / 370 mg/m<sup>3</sup>

Peak limitation : 2(I)

Remark : Y

Version : 06.05.2025

Limit value type (country of origin) : TRGS 903 ( D )

Parameter : 1-methoxypropan-2-ol / Urine (U) / End of exposure or end of shift

Limit value : 15 mg/l

Version : 10.10.2024

Limit value type (country of origin) : STEL ( EC )

Limit value : 150 ppm / 568 mg/m<sup>3</sup>

Remark : Skin

Version : 09.03.2022

Limit value type (country of origin) : TWA ( EC )

Limit value : 100 ppm / 375 mg/m<sup>3</sup>

Remark : Skin

Version : 09.03.2022

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

Limit value type (country of origin) : TMW / TWA ( A )

Limit value : 0,05 mg/m<sup>3</sup>

Remark : Sh

Version :

Limit value type (country of origin) : KZG / STEL ( CH )

Parameter : E: inhalable fraction

Limit value : 0,4 mg/m<sup>3</sup>

Remark : SSC, S

Version :

Limit value type (country of origin) : MAK ( CH )

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Parameter : E: inhalable fraction  
Limit value : 0,2 mg/m<sup>3</sup>  
Remark : SSc, S  
Version :

## DNEL-/PNEC-values

### DNEL/DMEL

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

Limit value type : DNEL Consumer (local)  
Exposure route : Inhalation  
Exposure frequency : Short-term  
Limit value : 0,04 mg/m<sup>3</sup>  
Limit value type : DNEL Consumer (local)  
Exposure route : Inhalation  
Exposure frequency : Long-term  
Limit value : 0,02 mg/m<sup>3</sup>  
Limit value type : DNEL Consumer (systemic)  
Exposure route : Oral  
Exposure frequency : Short-term  
Limit value : 0,11 mg/kg bw/day  
Limit value type : DNEL Consumer (systemic)  
Exposure route : Oral  
Exposure frequency : Long-term  
Limit value : 0,09 mg/kg bw/day  
Limit value type : DNEL worker (local)  
Exposure route : Inhalation  
Exposure frequency : Short-term  
Limit value : 0,04 mg/m<sup>3</sup>  
Limit value type : DNEL worker (local)  
Exposure route : Inhalation  
Exposure frequency : Long-term  
Limit value : 0,02 mg/m<sup>3</sup>

### PNEC

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

Limit value type : PNEC (Aquatic, freshwater)  
Limit value : 3,39 µg/l  
Limit value type : PNEC (Aquatic, intermittent release)  
Limit value : 3,39 µg/l  
Limit value type : PNEC (Aquatic, marine water)  
Limit value : 3,39 µg/l  
Limit value type : PNEC (Sediment, freshwater)  
Limit value : 0,027 mg/kg dw  
Limit value type : PNEC (Sediment, marine water)  
Limit value : 0,027 mg/kg dw  
Limit value type : PNEC (Soil)  
Limit value : 0,01 mg/kg dw  
Limit value type : PNEC (Sewage treatment plant)  
Limit value : 0,23 mg/l

## 8.2 Exposure controls

### Appropriate engineering controls

Ensure adequate ventilation of the storage area.

Technical measures and the application of suitable work processes have priority over personal protection equipment.

### Personal protection equipment

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### Eye/face protection

Usually no personal eye/face protection necessary. Eye/face protection necessary at: Splashes, Contact with eyes, Spray application.

#### Suitable eye protection

Eye glasses with side protection goggles

#### Required properties

EN 166

### Skin protection

Usually no personal skin protection necessary. Skin protection necessary at: Splashes, Contact with skin, Spray application.

#### Hand protection

**Suitable gloves type :** Gloves with long cuffs

**Suitable material :** NBR (Nitrile rubber), 0,4mm, >8h; Butyl caoutchouc, 0,5mm, >8h; FKM (fluoro rubber), 0,7mm, >8h;

**Recommended glove articles :** Manufacturer KCL GmbH/Eichenzell-Germany; Ansell/Yarra City-Australia Or comparable articles from other companies.

**Additional hand protection measures :** Check leak tightness/impermeability prior to use.

**Remark :** Breakthrough times and swelling properties of the material must be taken into consideration. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves. Barrier creams are not substitutes for body protection.

#### Body protection

Protective clothing.

**Suitable protective clothing :** Chemical protection clothing Chemical resistant safety shoes

**Required properties :** acid-resistant. alkali-resistant.

Protective clothing. : EN 13034 EN 14605

Chemical resistant safety shoes : EN ISO 20345

**Remark :** Barrier creams are not substitutes for body protection.

### Respiratory protection

Usually no personal respiratory protection necessary. Respiratory protection necessary at: insufficient ventilation aerosol or mist formation. high concentrations spray application

#### Suitable respiratory protection apparatus

Full-/half-/quarter-face masks (EN 136/140) Combination filtering device ABEK-P1

#### Remark

Use only respiratory protection equipment with CE-symbol including four digit test number. Observe the wear time limits according GefStoffV in combination with the rules for using respiratory protection apparatus (BGR 190).

### General information

Minimum standard for preventive measures while handling with working materials are specified in the TRGS 500. When using do not eat, drink, smoke, sniff. Avoid contact with skin, eyes and clothes. Remove contaminated, saturated clothing immediately. Wash contaminated clothing prior to re-use. Wash hands before breaks and after work. Apply skin care products after work. Do not breathe gas/fumes/vapour/spray.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

**Appearance :** Liquid

**Colour :** black

**Odour :** unspecific

#### Safety characteristics

**Physical state :**

**Melting point/freezing point :** ( 1013 hPa ) approx.

Liquid  
-1 °C

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|                                                  |                 |         |                 |                    |                                          |
|--------------------------------------------------|-----------------|---------|-----------------|--------------------|------------------------------------------|
| <b>Initial boiling point and boiling range :</b> | ( 1013 hPa )    | approx. | 99              | °C                 |                                          |
| <b>Decomposition temperature :</b>               | ( 1013 hPa )    |         | not determined  |                    |                                          |
| <b>Flash point :</b>                             |                 |         | not applicable  |                    | closed cup<br>(EN ISO 3679)              |
| <b>Auto-ignition temperature :</b>               |                 |         | not determined  |                    |                                          |
| <b>Sustaining combustion</b>                     |                 |         | No              |                    | UN Test L2:Sustained combustibility test |
| <b>Flammability :</b>                            |                 |         | not determined  |                    |                                          |
| <b>Lower explosion limit :</b>                   |                 |         | not determined  |                    |                                          |
| <b>Upper explosion limit :</b>                   |                 |         | not determined  |                    |                                          |
| <b>Vapour pressure :</b>                         | ( 50 °C )       | <       | 3000            | hPa                |                                          |
| <b>Density :</b>                                 | ( 20 °C )       |         | 1,02            | g/cm <sup>3</sup>  | Pyknometer (DIN EN ISO 2811-1)           |
| <b>Relative density :</b>                        | ( 20 °C )       |         | not determined  |                    |                                          |
| <b>Solvent separation test :</b>                 | ( 20 °C )       | <       | 3               | %                  | Test L1: Solvent separation test (UN)    |
| <b>Water solubility</b>                          | ( 20 °C )       |         | emulsifiable    |                    |                                          |
| <b>Fat solubility :</b>                          | ( 20 °C )       |         | Not determined. |                    |                                          |
| <b>pH :</b>                                      |                 | approx. | 8               |                    | DIN 19268<br>(Mixture)                   |
| <b>log P O/W :</b>                               |                 |         | not determined  |                    |                                          |
| <b>Kinematic viscosity :</b>                     | ( 23 °C )       | <       | 6,6             | mm <sup>2</sup> /s | DIN EN ISO 2431                          |
| <b>Odour threshold :</b>                         |                 |         | not determined  |                    |                                          |
| <b>Vapourisation rate :</b>                      |                 |         | not determined  |                    |                                          |
| <b>VOC content-EC</b>                            |                 |         | 6               | Weight-%           | *                                        |
| <b>VOC content-EC</b>                            |                 |         | 61              | g/l                | *                                        |
| <b>VOC-France</b>                                |                 |         | A+              |                    | Décret no 2011-321 du 23 mars 2011       |
| <b>Flammable solids :</b>                        | Not applicable. |         |                 |                    |                                          |

(\* VOC-EC = „Volatile organic compound (VOC)“ means any organic compound having an initial boiling point less than or equal to 250°C measured at a standard pressure of 101,3 kPa; VOC-value in g/L)

## 9.2 Other information

None

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No specific test data related to reactivity available for this product or its ingredients.

### 10.2 Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

### 10.3 Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

### 10.4 Conditions to avoid

Stable under recommended storage and handling conditions.

### 10.5 Incompatible materials

No data available

### 10.6 Hazardous decomposition products

Does not decompose when used for intended uses.

## SECTION 11: Toxicological information

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

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## Acute toxicity

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

### Acute oral toxicity

|                  |                                                                                                                                  |
|------------------|----------------------------------------------------------------------------------------------------------------------------------|
| Parameter :      | LD50 ( 1,2-BENZISOTHIAZOL-3(2H)-ONE ; CAS No. : 2634-33-5 )                                                                      |
| Exposure route : | Oral                                                                                                                             |
| Species :        | Rat                                                                                                                              |
| Effective dose : | > 2500 mg/kg                                                                                                                     |
| Method :         | OECD 401                                                                                                                         |
| Parameter :      | LD50 ( 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 ) |
| Exposure route : | Oral                                                                                                                             |
| Species :        | Rat                                                                                                                              |
| Effective dose : | 457 mg/kg                                                                                                                        |

### Acute dermal toxicity

|                  |                                                                                                                                  |
|------------------|----------------------------------------------------------------------------------------------------------------------------------|
| Parameter :      | LD50 ( 1,2-BENZISOTHIAZOL-3(2H)-ONE ; CAS No. : 2634-33-5 )                                                                      |
| Exposure route : | Dermal                                                                                                                           |
| Species :        | Rat                                                                                                                              |
| Effective dose : | > 2000 mg/kg                                                                                                                     |
| Method :         | OECD 402                                                                                                                         |
| Parameter :      | LD50 ( 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 ) |
| Exposure route : | Dermal                                                                                                                           |
| Species :        | Rat                                                                                                                              |
| Effective dose : | 660 mg/kg                                                                                                                        |

### Acute inhalation toxicity

|                  |                                                                                                                                  |
|------------------|----------------------------------------------------------------------------------------------------------------------------------|
| Parameter :      | LC50 ( 1,2-BENZISOTHIAZOL-3(2H)-ONE ; CAS No. : 2634-33-5 )                                                                      |
| Exposure route : | Inhalation                                                                                                                       |
| Species :        | Rat                                                                                                                              |
| Effective dose : | 5,7 mg/l                                                                                                                         |
| Exposure time :  | 4 h                                                                                                                              |
| Method :         | OECD 403                                                                                                                         |
| Parameter :      | LC50 ( 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 ) |
| Exposure route : | Inhalation                                                                                                                       |
| Species :        | Rat                                                                                                                              |
| Effective dose : | 1,23 mg/m <sup>3</sup>                                                                                                           |
| Exposure time :  | 4 h                                                                                                                              |

## Specific effects (Longterm animal experiment)

There are no data available on the mixture itself.

## Corrosion

slightly irritant but not relevant for classification.

### Skin corrosion/irritation

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

### Serious eye damage/eye irritation

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

## Respiratory or skin sensitisation

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

## Repeated dose toxicity (subacute, subchronic, chronic)

There are no data available on the mixture itself.

## CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

### Carcinogenicity

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

### Germ cell mutagenicity

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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**

No information available.

**SECTION 12: Ecological information**

**12.1 Toxicity**

**Aquatic toxicity**

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

**Acute (short-term) fish toxicity**

Parameter : LC50 ( 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 )  
Species : Fish  
Evaluation parameter : Acute (short-term) fish toxicity  
Effective dose : 0,22 mg/l  
Exposure time : 96 hour(s)  
Method : OECD 203

**Chronic (long-term) fish toxicity**

Parameter : NOEC ( 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 )  
Species : Fish  
Evaluation parameter : Chronic (long-term) fish toxicity  
Effective dose : 0,098 mg/l  
Exposure time : 28 day(s)  
Method : OECD 215

**Acute (short-term) toxicity to aquatic invertebrates**

Parameter : EC50 ( 1,2-BENZISOTHIAZOL-3(2H)-ONE ; CAS No. : 2634-33-5 )  
Species : Daphnia  
Evaluation parameter : Acute (short-term) toxicity to aquatic invertebrates  
Effective dose : 32 mg/l  
Exposure time : 48 hour(s)  
Method : OECD 202

Parameter : EC50 ( 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 )  
Species : Daphnia  
Evaluation parameter : Acute (short-term) toxicity to aquatic invertebrates  
Effective dose : 6,7 mg/l  
Exposure time : 48 hour(s)  
Method : OECD 202

**Chronic (long-term) toxicity to aquatic invertebrate**

Parameter : NOEC ( 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 )  
Species : Daphnia  
Evaluation parameter : Chronic (long-term) toxicity to aquatic invertebrate  
Effective dose : 0,004 mg/l

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Exposure time : 21 day(s)

Method : OECD 211

**Acute (short-term) toxicity to algae and cyanobacteria**

Parameter : EC50 ( 1,2-BENZISOTHIAZOL-3(2H)-ONE ; CAS No. : 2634-33-5 )

Species : Algae

Evaluation parameter : Acute (short-term) toxicity to algae and cyanobacteria

Effective dose : 8,4 mg/l

Exposure time : 72 hour(s)

Method : OECD 201

Parameter : EC50 ( 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 )

Species : Algae

Evaluation parameter : Acute (short-term) toxicity to algae and cyanobacteria

Effective dose : 0,0052 mg/l

Exposure time : 48 hour(s)

**Chronic (long-term) toxicity to aquatic algae and cyanobacteria**

Parameter : NOEC ( 1,2-BENZISOTHIAZOL-3(2H)-ONE ; CAS No. : 2634-33-5 )

Species : Algae

Evaluation parameter : Chronic (long-term) toxicity to aquatic algae and cyanobacteria

Effective dose : 0,9 mg/l

Exposure time : 72 hour(s)

Method : OECD 201

Parameter : NOEC ( 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 )

Species : Algae

Evaluation parameter : Chronic (long-term) toxicity to aquatic algae and cyanobacteria

Effective dose : 0,00064 mg/l

Exposure time : 48 hour(s)

**Sewage treatment plant**

Observe local regulations concerning effluent treatment.

**12.2 Persistence and degradability**

There are no data available on the mixture itself.

**Biodegradation**

There are no data available on the mixture itself.

**12.3 Bioaccumulative potential**

There are no data available on the mixture itself.

**12.4 Mobility in soil**

There are no data available on the mixture itself.

**12.5 Results of PBT and vPvB assessment**

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

**12.6 Endocrine disrupting properties**

No information available.

**12.7 Other adverse effects**

There are no data available on the mixture itself.

**12.8 Additional ecotoxicological information**

**Additional information**

The product has not been tested.

**SECTION 13: Disposal considerations**

**13.1 Waste treatment methods**

Dispose of waste according to applicable legislation.

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Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.

### Directive 2008/98/EC (Waste Framework Directive)

#### Before intended use

##### Waste codes/waste designations according to EWC/AVV

Waste code (EWC/AVV) : 07 01 99 (wastes not otherwise specified)

#### After intended use

Do not allow to enter into surface water or drains. Non-contaminated packages may be recycled. Packing which cannot be properly cleaned must be disposed of. Delivery to an approved waste disposal company.

#### Disposal operations

Contaminated packages must be completely emptied and can be re-used following proper cleaning. Packing which cannot be properly cleaned must be disposed of.

### 13.2 Additional information

These codes are assigned based upon the most common uses for this material and may not reflect contaminants resulting from actual use.

## SECTION 14: Transport information

### 14.1 UN number or ID number

No dangerous good in sense of these transport regulations.

### 14.2 UN proper shipping name

No dangerous good in sense of these transport regulations.

### 14.3 Transport hazard class(es)

No dangerous good in sense of these transport regulations.

### 14.4 Packing group

No dangerous good in sense of these transport regulations.

### 14.5 Environmental hazards

No dangerous good in sense of these transport regulations.

### 14.6 Special precautions for user

None

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

Not required.

## SECTION 15: Regulatory information

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

#### EU legislation

REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL on classification, labelling and packaging of substances and mixtures (clp)

DIRECTIVE 2008/98/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL on waste (2000/532/EC)  
EN 2:1992 (DIN EN 2:2005-01)

#### Authorisations and/or restrictions on use

##### Restrictions on use

##### Regulation (EC) No. 1907/2006 (REACH), Annex XVII (restrictions)

Use restriction according to REACH annex XVII, no. : 75

##### Restrictions of occupation

Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC).  
Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

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### Other regulations (EU)

Regulation (EC) No. 648/2004 [Detergents regulation]

Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work. (Directive 2000/39/EC, Directive 2006/15/EC, Directive 2009/161/EC)

### Regulation (EU) 2024/590 on substances that deplete the ozone layer

**Contains the following substances that deplete the ozone layer**

None

### Regulation (EC) 2019/1021 [POP Regulation]

Not listed/not relevant.

Name of the persistent organic pollutant (POP): -

### Regulation (EU) 2019/1148 (marketing and use of explosives precursors)

Not listed/not relevant.

### Regulation (EU) 649/2012 (PIC)

Not listed/not relevant.

Chemicals qualifying for PIC notification: -

### Regulation (EU) No 2024/573 on fluorinated greenhouse gases [Greenhouse Gases Regulation]

Not listed/not relevant.

Regulation (EU) No 2024/573 on fluorinated greenhouse gases [Greenhouse Gases Regulation] : -

### National regulations

Observe in addition any national regulations!

Germany:

TRGS 201 (Classification and Labelling of Activities involving Hazardous Substances)

TRGS 400 (Risk assessment for activities involving hazardous substances)

TRGS 401 (Risks resulting from skin contact)

TRGS 500 (Protective measures)

TRGS 510 (Storage of hazardous substances in non-stationary containers)

TRGS 555 (Working instruction and information for workers)

### Water hazard class

Classification according to AwSV - Class : 2 (Obviously hazardous to water)

### Other regulations, restrictions and prohibition regulations

#### Switzerland

#### VOCV-Regulation

Maximum VOC content (Switzerland) : 0 Weight-% according to VOCV

## 15.2 Chemical Safety Assessment

For this substance/mixture a chemical safety assessment has not been carried out.

## SECTION 16: Other information

### 16.1 Indication of changes

02. Label elements · 08. Occupational exposure limit values · 11. Corrosion · 11. Skin corrosion/irritation · 11. Serious eye damage/eye irritation · 11. STOT-repeated exposure · 15. Water hazard class

### 16.2 Abbreviations and acronyms

|            |                                                                                     |
|------------|-------------------------------------------------------------------------------------|
| ABC-Pulver | Extinguishing powder for fire class A, B and C                                      |
| ABEK-P1    | combination filter                                                                  |
| ADR        | European Agreement concerning the International Carriage of Dangerous Goods by Road |
| AVV        | Abfallverzeichnis-Verordnung (Waste Regulation)                                     |
| AWSV       | Ordinance on facilities for the handling of substances hazardous to water           |
| BGR        | BG rules and regulations                                                            |
| ca.        | circa                                                                               |
| CAS        | Chemical Abstracts Service                                                          |
| CLP        | classification, labelling and packaging                                             |
| CMR        | Carcinogen, mutagen or toxic for reproduction                                       |

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|                     |                                                                                                     |
|---------------------|-----------------------------------------------------------------------------------------------------|
| DIN                 | German Institute for Standardization                                                                |
| DNEL                | Derived No-Effect Level                                                                             |
| EAK/EWC/EAC/CWR/CER | European Waste Catalogue                                                                            |
| EC50 / CE50         | Effective Concentration 50%                                                                         |
| EG / EC / CE        | European Community                                                                                  |
| EN                  | European Standard                                                                                   |
| EUH                 | supplemental hazard statement of the european union                                                 |
| GefStoffV           | Gefahrstoffverordnung (Hazardous Substances Ordinance)                                              |
| GHS / SGH           | Globally Harmonised System                                                                          |
| H-Sätze             | hazard statements                                                                                   |
| IATA-DGR            | International Air Transport Association-Dangerous Goods Regulations                                 |
| IBC-Code            | International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk |
| ICAO-TI             | International Civil Aviation Organization-Technical Instructions                                    |
| IMDG-Code           | International Maritime Dangerous Goods Code                                                         |
| ISO                 | International Organization for Standardization                                                      |
| LC50 / CL50         | Lethal Concentration 50%                                                                            |
| LD50 / DL50         | Lethal Dose 50%                                                                                     |
| log P O/W           | Partition coefficient n-octanol/water                                                               |
| MARPOL              | International Convention for the Prevention of Pollution from Ships (marine pollution)              |
| NOAEL (DSET)        | No observed adverse effect level                                                                    |
| NOEC (CSEO)         | No observed effect concentration                                                                    |
| Nr.                 | Number                                                                                              |
| OECD                | Organisation for Economic Co-operation and Development                                              |
| PBT                 | persistent, bioaccumulative and toxic                                                               |
| pH                  | Potentia hydrogenii                                                                                 |
| PIC                 | prior informed consent                                                                              |
| PNEC                | Predicted No-Effect Concentration                                                                   |
| POP                 | Persistent organic pollutants                                                                       |
| P-Sätze             | precautionary statements                                                                            |
| REACH               | Registration, Evaluation, Authorisation and Restriction of Chemicals                                |
| RID                 | International Carriage of Dangerous Goods by Rail                                                   |
| STEL / LECT         | short-term exposure limit                                                                           |
| TRGS                | Technische Regeln für Gefahrstoffe (Technical Rules for Hazardous Substances)                       |
| TWA / MPT           | time-weighted average                                                                               |
| UN/ONU              | United Nations                                                                                      |
| VOC/COV/VOS/LZO     | Volatile Organic Compound                                                                           |
| VOCV                | Ordinance on the Incentive Tax on Volatile Organic Compounds (SR 814.018)                           |
| vPvB                | very persistent and very bioaccumulative                                                            |
| WGK                 | Wassergefährdungsklasse (Water hazard class)                                                        |

For abbreviations and acronyms, see table at <http://abbrev.esdscom.eu>. For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

### 16.3 Key literature references and sources for data

REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL

ECHA: Registered substances (<https://echa.europa.eu/information-on-chemicals/registered-substances>)

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REACH Article 59: Candidate List of substances of very high concern for Authorisation  
(<https://echa.europa.eu/candidate-list-table>)

### 16.4 **Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]**

Hazard statements for physical hazards : On basis of test data.

Hazard statements for health hazards : Calculation method.

Hazard statements for environmental hazards : Calculation method.

### 16.5 **Relevant H- and EUH-phrases (Number and full text)**

|        |                                                       |
|--------|-------------------------------------------------------|
| H301   | Toxic if swallowed.                                   |
| H302   | Harmful if swallowed.                                 |
| H310   | Fatal 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.                                     |
| H400   | Very toxic to aquatic life.                           |
| H410   | Very toxic to aquatic life with long lasting effects. |
| EUH071 | Corrosive to the respiratory tract.                   |

### 16.6 **Training advice**

None

### 16.7 **Additional information**

None

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.