

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

1.1. Product identifier

Product form : Mixture
Trade name : Rubio Monocoat Exterior Wood Cleaner
UFI : K47X-W05N-Q00D-5VQX

Type of product : Detergent

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

1.2.1. Relevant identified uses

Intended for general public
Main use category : Consumer use, Professional use
Use of the substance/mixture : Preparatory cleaner for all types of exterior wood.

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Muylle Facon B.V.B.A. - Rubio Monocoat
Ambachtenstraat 58
B 8870 Izegem
Belgium
T +32 (0) 51 30 80 54, F +32 (0) 51 30 99 78
info@rubiomonocoat.com, www.rubiomonocoat.com

1.4. Emergency telephone number

| Country | Organisation/Company | Address | Emergency number | Comment |
|---------|--|-----------------------------------|-----------------------|---------|
| Belgium | Muylle Facon B.V.B.A. - Rubio Monocoat | Ambachtenstraat 58 8870 Izegem | T +32 (0) 51 30 80 54 | |

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Skin corrosion/irritation, Category 1 H314

Serious eye damage/eye irritation, Category 1 H318

Full text of H- and EUH-statements: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

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

Hazard pictograms (CLP) :



GHS05

CLP Signal word

: Danger

Contains

: Sodium Lauryl Ether Sulfate; Phosphoric acid, mixed esters with Bu alc. and ethylene glycol

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| | |
|--------------------------------|--|
| Hazard statements (CLP) | : H314 - Causes severe skin burns and eye damage. |
| Precautionary statements (CLP) | : P102 - Keep out of reach of children. P260 - Do not breathe dust/fume/gas/mist/vapours/spray. P264 - Wash hands, forearms and face thoroughly after handling. P280 - Wear protective gloves/protective clothing/eye protection/face protection/hearing protection. P301+P330+P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. |
| EUH-statements | : EUH208 - Contains 1,2-benzisothiazol-3(2H)-one (BIT). May produce an allergic reaction. |

2.3. Other hazards

Contains no PBT and/or vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

| Component | |
|---|---|
| mixture of 5-chloro-2-methyl-4-isothiazolin-3-one [EC 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC 220-239-6] (3:1) (C(M)IT/MIT (3:1) (55965-84-9) | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |
| Sulfamic acid (5329-14-6) | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |
| 1,2-benzisothiazol-3(2H)-one (BIT) (2634-33-5) | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |
| Sodium Lauryl Ether Sulfate (68891-38-3) | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|--|---|-------|--|
| Sodium Lauryl Ether Sulfate | CAS-No.: 68891-38-3 EC-No.: 500-234-8 REACH-no: 01-2119488639-16 | < 4 | Eye Dam. 1, H318 Skin Irrit. 2, H315 Aquatic Chronic 3, H412 |
| Sulfamic acid | CAS-No.: 5329-14-6 EC-No.: 226-218-8 EC Index-No.: 016-026-00-0 REACH-no: 01-2119488633-28 | < 3 | Eye Irrit. 2, H319 Skin Irrit. 2, H315 Aquatic Chronic 3, H412 |
| Phosphoric acid, mixed esters with Bu alc. and ethylene glycol | CAS-No.: 84962-20-9 EC-No.: 284-716-0 REACH-no: 01-2119969464-25 | < 1,5 | Met. Corr. 1, H290 Eye Dam. 1, H318 |

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| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|---|---|-------------|--|
| 1,2-benzisothiazol-3(2H)-one (BIT) | CAS-No.: 2634-33-5 EC-No.: 220-120-9 EC Index-No.: 613-088-00-6 REACH-no: 01-2120761540-60 | < 0,05 | Acute Tox. 4 (Oral), H302 (ATE=300 mg/kg bodyweight) Acute Tox. 1 (Inhalation:dust,mist), H330 (ATE=0,005 mg/l/4h) Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1) |
| mixture of 5-chloro-2-methyl-4-isothiazolin-3-one [EC 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC 220-239-6] (3:1) (C(M)IT/MIT (3:1)) substance with national workplace exposure limit(s) (CH) | CAS-No.: 55965-84-9 EC Index-No.: 613-167-00-5 REACH-no: 01-2120764691-48 | < 0,0000001 | Acute Tox. 2 (Inhalation), H330 (ATE=0,05 mg/l/4h) Acute Tox. 2 (Dermal), H310 (ATE=50 mg/kg bodyweight) Acute Tox. 3 (Oral), H301 (ATE=66 mg/kg bodyweight) Skin Corr. 1C, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=100) |

| Specific concentration limits: | | |
|---|---|--|
| Name | Product identifier | Specific concentration limits |
| 1,2-benzisothiazol-3(2H)-one (BIT) | CAS-No.: 2634-33-5 EC-No.: 220-120-9 EC Index-No.: 613-088-00-6 REACH-no: 01-2120761540-60 | (0,036 ≤ C ≤ 100) Skin Sens. 1; H317 |
| mixture of 5-chloro-2-methyl-4-isothiazolin-3-one [EC 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC 220-239-6] (3:1) (C(M)IT/MIT (3:1)) | CAS-No.: 55965-84-9 EC Index-No.: 613-167-00-5 REACH-no: 01-2120764691-48 | (0,0015 ≤ C ≤ 100) Skin Sens. 1A; H317 (0,06 ≤ C < 0,6) Eye Irrit. 2; H319 (0,06 ≤ C < 0,6) Skin Irrit. 2; H315 (0,6 ≤ C ≤ 100) Eye Dam. 1; H318 (0,6 ≤ C ≤ 100) Skin Corr. 1C; H314 |

Full text of H- and EUH-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

| | |
|---------------------------------------|--|
| First-aid measures general | : If medical advice is needed, have product container or label at hand. |
| First-aid measures after inhalation | : Remove person to fresh air and keep comfortable for breathing. |
| First-aid measures after skin contact | : Clean the area: Remove any clothing from the burned area. Hold the area under cool (not cold) running water for about 10 minutes. If the burn is on the face, apply a cool, wet cloth. |
| First-aid measures after eye contact | : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Irritation persists. |
| First-aid measures after ingestion | : In all cases of doubt, or when symptoms persist, seek medical attention. |

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

| | |
|-------------------------------------|--|
| Symptoms/effects | : If you feel unwell, seek medical advice. |
| Symptoms/effects after inhalation | : None under normal use. |
| Symptoms/effects after skin contact | : May cause chemical burns. |
| Symptoms/effects after eye contact | : Risk of serious damage to eyes. |
| Symptoms/effects after ingestion | : May cause gastrointestinal irritation, nausea, vomiting and diarrhoea. |

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

Show this safety data sheet to the doctor or emergency department.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water mist, carbonic acid, foam or powder against ambient fire.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

Precautionary measures fire : Evacuate area.
Firefighting instructions : Prevent fire fighting water from entering the environment.
Protection during firefighting : Self-contained breathing apparatus. Complete protective clothing.
Other information : Exercise caution when fighting any chemical fire.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Do not get in eyes, on skin, or on clothing. Use personal protective equipment - see point 8.
Limit spread.

6.1.2. For emergency responders

Protective equipment : Safety glasses. Protective gloves. Do not attempt to take action without suitable protective equipment.

6.2. Environmental precautions

Avoid discharge into the sewer - see point 12. Inform the local environmental authorities in the event of a release to the surroundings.

6.3. Methods and material for containment and cleaning up

For containment : Collect spillage.
Methods for cleaning up : Liquid is absorbed with granules or similar. Collect in suitable containers. Rinse thoroughly with water. Further handling of spillage - see point 13.
Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

See above (see point 6.1/6.2/6.3).

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed : Do not eat, drink or smoke while using this product.
Precautions for safe handling : Avoid contact with the eyes and prolonged contact with the skin. After use, wash with plenty of soap and water.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep container tightly closed.

7.3. Specific end use(s)

No additional information available

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

mixture of 5-chloro-2-methyl-4-isothiazolin-3-one [EC 247-500-7] and 2-methyl-2Hisothiazol-3-one [EC 220-239-6] (3:1) (C(M)IT/MIT (3:1) (55965-84-9)

Switzerland - Occupational Exposure Limits

| | |
|-------------|--|
| Local name | 5-Chlor-2-methyl-2,3-dihydro-isothiazol-3-on und 2-Methyl-2,3-dihydroisothiazol-3-on |
| VME [mg/m³] | 0,2 mg/m³ |
| VLE [mg/m³] | 0,4 mg/m³ |
| Notation | Keine Schädigung der Leibesfrucht bei Einhaltung des MAK-Werts |

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

mixture of 5-chloro-2-methyl-4-isothiazolin-3-one [EC 247-500-7] and 2-methyl-2Hisothiazol-3-one [EC 220-239-6] (3:1) (C(M)IT/MIT (3:1) (55965-84-9)

DNEL/DMEL (Workers)

| | |
|---------------------------------------|------------|
| Acute - local effects, inhalation | 0,04 mg/m³ |
| Long-term - local effects, inhalation | 0,02 mg/m³ |

DNEL/DMEL (General population)

| | |
|---------------------------------------|-------------------|
| Acute - systemic effects, oral | 0,11 mg/kg bw/day |
| Acute - local effects, inhalation | 0,04 mg/m³ |
| Long-term - systemic effects, oral | 0,09 mg/kg bw/day |
| Long-term - local effects, inhalation | 0,02 mg/m³ |

PNEC (Water)

| | |
|--------------------------|-----------|
| PNEC aqua (freshwater) | 3,39 µg/l |
| PNEC aqua (marine water) | 3,39 µg/l |

PNEC (Sediment)

| | |
|------------------------------|-----------------|
| PNEC sediment (freshwater) | 0,027 mg/kg dwt |
| PNEC sediment (marine water) | 0,027 mg/kg dwt |

PNEC (Soil)

| | |
|-----------|----------------|
| PNEC soil | 0,01 mg/kg dwt |
|-----------|----------------|

PNEC (STP)

| | |
|-----------------------------|-----------|
| PNEC sewage treatment plant | 0,23 mg/l |
|-----------------------------|-----------|

Sulfamic acid (5329-14-6)

DNEL/DMEL (Workers)

| | |
|--|-----------------|
| Long-term - systemic effects, dermal | 10 mg/kg bw/day |
| Long-term - systemic effects, inhalation | 70,5 mg/m³ |

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| | |
|---|--------------------|
| Sulfamic acid (5329-14-6) | |
| DNEL/DMEL (General population) | |
| Long-term - systemic effects, oral | 5 mg/kg bw/day |
| Long-term - systemic effects, inhalation | 17,4 mg/m³ |
| Long-term - systemic effects, dermal | 5 mg/kg bw/day |
| PNEC (Water) | |
| PNEC aqua (freshwater) | 1,8 mg/l |
| PNEC aqua (marine water) | 0,18 mg/l |
| PNEC (Sediment) | |
| PNEC sediment (freshwater) | 8,36 mg/kg dwt |
| PNEC sediment (marine water) | 0,84 mg/kg dwt |
| PNEC (Soil) | |
| PNEC soil | 5 mg/kg dwt |
| PNEC (STP) | |
| PNEC sewage treatment plant | 20 mg/l |
| 1,2-benzisothiazol-3(2H)-one (BIT) (2634-33-5) | |
| DNEL/DMEL (Workers) | |
| Long-term - systemic effects, dermal | 0,966 mg/kg bw/day |
| Long-term - systemic effects, inhalation | 6,81 mg/m³ |
| DNEL/DMEL (General population) | |
| Long-term - systemic effects, inhalation | 1,2 mg/m³ |
| Long-term - systemic effects, dermal | 0,345 mg/kg bw/day |
| PNEC (Water) | |
| PNEC aqua (freshwater) | 4,03 µg/l |
| PNEC aqua (marine water) | 0,403 µg/l |
| PNEC (Sediment) | |
| PNEC sediment (freshwater) | 49,9 µg/kg dw |
| PNEC sediment (marine water) | 4,99 µg/kg dw |
| PNEC (Soil) | |
| PNEC soil | 3 mg/kg dwt |
| PNEC (STP) | |
| PNEC sewage treatment plant | 1,03 mg/l |
| Sodium Lauryl Ether Sulfate (68891-38-3) | |
| DNEL/DMEL (Workers) | |
| Long-term - systemic effects, dermal | 2750 mg/kg bw/day |
| Long-term - local effects, dermal | 132 µg/cm² |
| Long-term - systemic effects, inhalation | 175 mg/m³ |
| DNEL/DMEL (General population) | |
| Long-term - systemic effects, oral | 15 mg/kg bw/day |

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| Sodium Lauryl Ether Sulfate (68891-38-3) | |
|--|-------------------|
| Long-term - systemic effects, inhalation | 52 mg/m³ |
| Long-term - systemic effects, dermal | 1650 mg/kg bw/day |
| Long-term - local effects, dermal | 79 µg/cm² |
| PNEC (Water) | |
| PNEC aqua (freshwater) | 0,24 mg/l |
| PNEC aqua (marine water) | 0,024 mg/l |
| PNEC (Sediment) | |
| PNEC sediment (freshwater) | 0,917 mg/kg dwt |
| PNEC sediment (marine water) | 0,092 mg/kg dwt |
| PNEC (Soil) | |
| PNEC soil | 7,5 mg/kg dwt |
| PNEC (STP) | |
| PNEC sewage treatment plant | 10 g/l |

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:
During spraying wear suitable respiratory equipment.

8.2.2. Personal protection equipment

Personal protective equipment:
Safety glasses. Gloves.
Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

Eye protection:
Safety glasses

| Eye protection | | | |
|----------------|---------|-------------------|--------------|
| Type | Use | Characteristics | Standard |
| Safety glasses | Droplet | With side shields | EN ISO 16321 |

8.2.2.2. Skin protection

Hand protection:
Gloves

| Hand protection | | | | | |
|-------------------|----------------------|-------------------|----------------|-------------|----------|
| Type | Material | Permeation | Thickness (mm) | Penetration | Standard |
| protective gloves | Nitrile rubber (NBR) | 5 (> 240 minutes) | >0,3 | | EN 374-2 |

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8.2.2.3. Respiratory protection

Respiratory protection:

Usually not necessary. In case of insufficient ventilation or spraying: Use approved mask with particle filter P2 (EN149). The filters have a limited service life (must be changed). Read the manufacturer's instructions.

| Respiratory protection | | | |
|------------------------|-------------|-----------|----------|
| Device | Filter type | Condition | Standard |
| Particle filter | Type P2 | | EN 149 |

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment.

Other information:

Do not eat, drink or smoke when using this product.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|---------------------------------|---|
| Physical state | : Liquid |
| Colour | : transparent. |
| Appearance | : Liquid. |
| Odour | : characteristic. |
| Odour threshold | : Not available |
| Melting point | : $\approx 0\text{ }^{\circ}\text{C}$ |
| Freezing point | : $\approx 0\text{ }^{\circ}\text{C}$ |
| Boiling point | : $\approx 100\text{ }^{\circ}\text{C}$ |
| Flammability | : Not available |
| Explosive limits | : Not available |
| Lower explosive limit (LEL) | : Not available |
| Upper explosive limit (UEL) | : Not available |
| Flash point | : Not available |
| Auto-ignition temperature | : Not available |
| Decomposition temperature | : Not available |
| pH | : $\approx 1,3$ |
| Viscosity, kinematic | : Not available |
| Solubility | : Not available |
| Log Kow | : Not available |
| Vapour pressure | : Not available |
| Vapour pressure at 50°C | : Not available |
| Density | : 0,99 kg/l |
| Relative density | : Not available |
| Relative vapour density at 20°C | : Not available |
| Particle characteristics | : Not applicable |

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available

9.2.2. Other safety characteristics

VOC content : 0 %

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SECTION 10: Stability and reactivity

10.1. Reactivity

Avoid oxidizing agents as well as strong acids and bases. Stable in use and storage conditions as recommended in item 7.

10.2. Chemical stability

No additional information available

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

No additional information available

10.5. Incompatible materials

Bases. Acids. oxidizing agents.

10.6. Hazardous decomposition products

Fire may liberate carbon oxides (CO) and smoke.

SECTION 11: Toxicological information

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

| | |
|-----------------------------|---|
| Acute toxicity (oral) | : Not classified (Based on available data, the classification criteria are not met) |
| Acute toxicity (dermal) | : Not classified (Based on available data, the classification criteria are not met) |
| Acute toxicity (inhalation) | : Not classified (Based on available data, the classification criteria are not met) |

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| | |
|-----------------------|--------|
| LC50 Inhalation - Rat | ≥ mg/l |
|-----------------------|--------|

mixture of 5-chloro-2-methyl-4-isothiazolin-3-one [EC 247-500-7] and 2-methyl-2Hisothiazol-3-one [EC 220-239-6] (3:1) (C(M)IT/MIT (3:1) (55965-84-9)

| | |
|-----------------------|------------------------|
| LD50 oral rat | 66 mg/kg bodyweight |
| LD50 oral | 59 mg/kg bodyweight |
| LD50 dermal rat | > 141 mg/kg bodyweight |
| LD50 dermal | > 75 mg/kg bodyweight |
| LC50 Inhalation - Rat | 0,17 mg/l air |

Sulfamic acid (5329-14-6)

| | |
|-----------------|-------------------------|
| LD50 oral rat | 2065 mg/kg bodyweight |
| LD50 oral | > 2000 mg/kg bodyweight |
| LD50 dermal rat | > 2000 mg/kg bodyweight |
| LD50 dermal | > 2000 mg/kg bodyweight |

1,2-benzisothiazol-3(2H)-one (BIT) (2634-33-5)

| | |
|-----------------------------------|---------------------------------|
| LD50 oral rat | > 300 – ≤ 2000 mg/kg bodyweight |
| LD50 dermal | > |
| LC50 Inhalation - Rat (Dust/Mist) | 100 mg/l |

Sodium Lauryl Ether Sulfate (68891-38-3)

| | |
|---------------|-----------------------|
| LD50 oral rat | 4100 mg/kg bodyweight |
|---------------|-----------------------|

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| Sodium Lauryl Ether Sulfate (68891-38-3) | |
|--|-------------------------|
| LD50 oral | > 2000 mg/kg bodyweight |
| LD50 dermal rat | > 2000 mg/kg bodyweight |
| LD50 dermal | > 2000 mg/kg bodyweight |

| | |
|-----------------------------------|---|
| Skin corrosion/irritation | : Causes severe skin burns. pH: ≈ 1,3 |
| Serious eye damage/irritation | : Causes serious eye damage. pH: ≈ 1,3 |
| Respiratory or skin sensitisation | : Not classified (Based on available data, the classification criteria are not met) |
| Germ cell mutagenicity | : Not classified (Based on available data, the classification criteria are not met) |
| Carcinogenicity | : Not classified (Based on available data, the classification criteria are not met) |
| Reproductive toxicity | : Not classified (Based on available data, the classification criteria are not met) |
| STOT-single exposure | : Not classified (Based on available data, the classification criteria are not met) |
| STOT-repeated exposure | : Not classified (Based on available data, the classification criteria are not met) |
| Aspiration hazard | : Not classified (Based on available data, the classification criteria are not met) |

11.2. Information on other hazards

No additional information available

SECTION 12: Ecological information

12.1. Toxicity

| | |
|---|---|
| Ecology - general | : Not applicable. |
| Hazardous to the aquatic environment, short-term (acute) | : Not classified (Based on available data, the classification criteria are not met) |
| Hazardous to the aquatic environment, long-term (chronic) | : Not classified (Based on available data, the classification criteria are not met) |

| mixture of 5-chloro-2-methyl-4-isothiazolin-3-one [EC 247-500-7] and 2-methyl-2Hisothiazol-3-one [EC 220-239-6] (3:1) (C(M)IT/MIT (3:1) (55965-84-9) | |
|--|--|
| LC50 fish 1 | 0,28 mg/l (96 h; Lepomis macrochirus) |
| EC50 Daphnia 1 | 0,007 mg/l |
| EC50 other aquatic organisms 1 | 0,126 mg/l waterflea |
| EC50 other aquatic organisms 2 | 0,003 mg/l |
| ErC50 (algae) | 19,9 µg/l |
| Threshold limit algae 1 | 0,018 mg/l (72 h; Pseudokirchneriella subcapitata) |

| Sulfamic acid (5329-14-6) | |
|--------------------------------|---------------------|
| LC50 fish 1 | 70,3 mg/l |
| EC50 Daphnia 1 | 71,6 mg/l |
| EC50 other aquatic organisms 1 | 71,6 mg/l waterflea |
| EC50 other aquatic organisms 2 | 29,5 mg/l |
| EC50 72h - Algae [1] | 48 mg/l |

| 1,2-benzisothiazol-3(2H)-one (BIT) (2634-33-5) | |
|--|-----------|
| LC50 fish 1 | 2,18 mg/l |
| EC50 Daphnia 1 | 2,94 mg/l |
| ErC50 (algae) | 150 µg/l |

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according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Sodium Lauryl Ether Sulfate (68891-38-3)

| | |
|--------------------------------|--------------------|
| LC50 fish 1 | 7,1 mg/l |
| EC50 Daphnia 1 | 7,4 mg/l |
| EC50 other aquatic organisms 1 | > 1 mg/l waterflea |
| EC50 other aquatic organisms 2 | > 10 mg/l |
| ErC50 (algae) | 27,7 mg/l |

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

mixture of 5-chloro-2-methyl-4-isothiazolin-3-one [EC 247-500-7] and 2-methyl-2Hisothiazol-3-one [EC 220-239-6] (3:1) (C(M)IT/MIT (3:1) (55965-84-9)

| | |
|------------|-------------|
| BCF fish 1 | 41 – 54 |
| Log Pow | -0,32 – 0,7 |

Sulfamic acid (5329-14-6)

| | |
|---------|-------|
| Log Pow | -4,34 |
|---------|-------|

1,2-benzisothiazol-3(2H)-one (BIT) (2634-33-5)

| | |
|------------|-------------|
| BCF fish 1 | 6,62 |
| Log Pow | -0,9 – 0,99 |

Sodium Lauryl Ether Sulfate (68891-38-3)

| | |
|---------|-----|
| Log Pow | 0,3 |
|---------|-----|

12.4. Mobility in soil

mixture of 5-chloro-2-methyl-4-isothiazolin-3-one [EC 247-500-7] and 2-methyl-2Hisothiazol-3-one [EC 220-239-6] (3:1) (C(M)IT/MIT (3:1) (55965-84-9)

| | |
|----------------|---------------------------|
| Log Koc | 0,81 – 1 |
| Ecology - soil | Very mobile in the soils. |

1,2-benzisothiazol-3(2H)-one (BIT) (2634-33-5)

| | |
|-----------------|--------------------------|
| Surface tension | 72,6 mN/m |
| Log Koc | 0,97 |
| Ecology - soil | Very mobile in the soil. |

Sodium Lauryl Ether Sulfate (68891-38-3)

| | |
|-----------------|---------------------------|
| Surface tension | 33 mN/m |
| Log Koc | 0,34 |
| Ecology - soil | Very mobile in the soils. |

12.5. Results of PBT and vPvB assessment

No additional information available

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12.6. Endocrine disrupting properties

Adverse effects on the environment caused by endocrine disrupting properties

: The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

12.7. Other adverse effects

Additional information

: Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional waste regulation

: Waste substance number = 7133.

Waste disposal recommendations

: The chemical must be considered hazardous waste. Residues and waste should not be fed into the sewer network, but delivered for waste treatment to approved reception.

Additional information

: Clean up even minor leaks or spills if possible without unnecessary risk.

Ecology - waste materials

: Avoid release to the environment.

European List of Waste (LoW, EC 2000/532)

: 20 01 29* - detergents containing dangerous substances

H code

:

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

| ADR | IMDG | IATA | ADN | RID |
|---|----------------|----------------|----------------|----------------|
| 14.1. UN number or ID number | | | | |
| Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |
| 14.2. UN proper shipping name | | | | |
| Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |
| 14.3. Transport hazard class(es) | | | | |
| Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |
| 14.4. Packing group | | | | |
| Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |
| 14.5. Environmental hazards | | | | |
| Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |
| No supplementary information available | | | | |

14.6. Special precautions for user

Overland transport

Not applicable

Transport by sea

Not applicable

Air transport

Not applicable

Inland waterway transport

Not applicable

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Rail transport

Not applicable

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

| EU restriction list (REACH Annex XVII) | | |
|--|---|---|
| Reference code | Applicable on | Entry title or description |
| 3(b) | mixture of 5-chloro-2-methyl-4-isothiazolin-3-one [EC 247-500-7] and 2-methyl-2Hisothiazol-3-one [EC 220-239-6] (3:1) (C(M)IT/MIT (3:1) | Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10 |
| 3(c) | mixture of 5-chloro-2-methyl-4-isothiazolin-3-one [EC 247-500-7] and 2-methyl-2Hisothiazol-3-one [EC 220-239-6] (3:1) (C(M)IT/MIT (3:1) | Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1 |

Contains no substance(s) listed on the REACH Candidate List
Contains no substance(s) listed on REACH Annex XIV (Authorisation List)
Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)
Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)
Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)
Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)
VOC content : 0 %

| Detergent Regulation (648/2004/EC): Labelling of contents: | |
|--|-----|
| Component | % |
| <tx:_SDC003> | <5% |
| METHYLCHLOROISOTHIAZOLINONE (AND) METHYLISOTHIAZOLINONE | |
| BENZISOTHIAZOLINONE | |

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

15.1.2. National regulations

| France | |
|-----------------------|--|
| Occupational diseases | |
| Code | Description |
| RG 65 | Eczematiform lesions of allergic mechanism |
| RG 66 | Occupational rhinitis and asthma |

Germany

Water hazard class (WGK) : WGK 3, Highly hazardous to water (Classification according to AwSV, Annex 1)
Hazardous Incident Ordinance (12. BImSchV) : Is not subject to the Hazardous Incident Ordinance (12. BImSchV)

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Netherlands

- ABM category : B(3) - hazardous for aquatic organisms
- SZW-list of carcinogenic substances : Phosphoric acid, mixed esters with Bu alc. and ethylene glycol is listed
- SZW-list of mutagenic substances : Phosphoric acid, mixed esters with Bu alc. and ethylene glycol is listed
- NON-exhaustive list of reprotoxic substances - Breastfeeding : None of the components are listed
- SZW-lijst van reprotoxische stoffen – Vruchtbaarheid : None of the components are listed
- NON-exhaustive list of reprotoxic substances - Development : None of the components are listed

Denmark

- Danish National Regulations : Young people below the age of 18 years are not allowed to use the product

Switzerland

- Storage class (LK) : LK 8 - Corrosive materials

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

| Full text of H- and EUH-statements: | |
|--|--|
| Acute Tox. 1 (Inhalation:dust,mist) | Acute toxicity (inhalation:dust,mist) Category 1 |
| Acute Tox. 2 (Dermal) | Acute toxicity (dermal), Category 2 |
| Acute Tox. 2 (Inhalation) | Acute toxicity (inhal.), Category 2 |
| Acute Tox. 3 (Oral) | Acute toxicity (oral), Category 3 |
| Acute Tox. 4 (Oral) | Acute toxicity (oral), Category 4 |
| Aquatic Acute 1 | Hazardous to the aquatic environment – Acute Hazard, Category 1 |
| Aquatic Chronic 1 | Hazardous to the aquatic environment – Chronic Hazard, Category 1 |
| Aquatic Chronic 3 | Hazardous to the aquatic environment – Chronic Hazard, Category 3 |
| EUH208 | Contains 1,2-benzisothiazol-3(2H)-one (BIT). May produce an allergic reaction. |
| Eye Dam. 1 | Serious eye damage/eye irritation, Category 1 |
| Eye Irrit. 2 | Serious eye damage/eye irritation, Category 2 |
| H290 | May be corrosive to metals. |
| 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. |
| H319 | Causes serious eye irritation. |
| H330 | Fatal if inhaled. |
| H400 | Very toxic to aquatic life. |
| H410 | Very toxic to aquatic life with long lasting effects. |
| H412 | Harmful to aquatic life with long lasting effects. |

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| Full text of H- and EUH-statements: | |
|-------------------------------------|--|
| Met. Corr. 1 | Corrosive to metals, Category 1 |
| Skin Corr. 1 | Skin corrosion/irritation, Category 1 |
| Skin Corr. 1C | Skin corrosion/irritation, Category 1, Sub-Category 1C |
| Skin Irrit. 2 | Skin corrosion/irritation, Category 2 |
| Skin Sens. 1 | Skin sensitisation, Category 1 |
| Skin Sens. 1A | Skin sensitisation, category 1A |

The classification complies with : ATP 18

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.