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

### 1.1 Product identifier

**Trade name** **STARCOLOR**

**Registration number (REACH)** not relevant (mixture)

**Unique formula identifier (UFI)** UFI: not applicable

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

**Relevant identified uses** Paint, coating and lacquer
Observe technical data sheet

**Uses advised against** Observe technical data sheet

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

**Baumit GmbH**
**Wopfing 156**
**A-2754 Waldegg**
**Austria**

**Telephone: +43 (0)501 888 0**

**This number is only available during office hours: Mon - Thu 07:00 AM - 05:00 PM**
**Fri 07:00 AM - 12:00 PM**

**e-mail: office@baumit.com**

**e-mail (competent person)** office@baumit.com

### 1.4 Emergency telephone number

| **Poison centre** | | | |
|---|---|---|---|
| **Country** | **Name** | **Postal code/city** | **Telephone** |
| Austria | Vergiftungsinformationszentrale an der 1. Medizinischen Universitätsklinik 24h Notruf Mo-So | 1090 Wien | +43 (0)1 4064 343-0 |

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

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

| Section | Hazard class | Category | Hazard class and category | Hazard statement |
|---|---|---|---|---|
| 4.1C | hazardous to the aquatic environment - chronic hazard | 3 | Aquatic Chronic 3 | H412 |

For full text of abbreviations: see SECTION 16.

**The most important adverse physicochemical, human health and environmental effects**

Spillage and fire water can cause pollution of watercourses.

### 2.2 Label elements

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

**- Signal word** not required

**- Pictograms** not required

**- Hazard statements**

**H412** Harmful to aquatic life with long lasting effects.

**- Precautionary statements**

**P101** If medical advice is needed, have product container or label at hand.
**P102** Keep out of reach of children.
**P103** Read carefully and follow all instructions.
**P260** Do not breathe spray.
**P273** Avoid release to the environment.
**P280** Wear protective gloves/protective clothing/eye protection/face protection.
**P501** Dispose of contents/container in accordance with local/regional/national/international regulations.

**- Supplemental hazard information**

EUH208 Contains 2-Octyl-2H-isothiazol-3-on, 1,2-benzisothiazol-3(2H)-one, Tetrahydro-1,3,4,6-tetrakis(hydroxymethyl)imidazo[4,5-d]imidazole-2,5(1H,3H)-dione. May produce an allergic reaction.

EUH210 Safety data sheet available on request.

**- Biocidal Products Regulation (BPR)**

Contains:

| Biocidal active substances |
|---|
| **Name of substance** |
| Terbutryn [EG-Nr. 212-950-5] |
| 2-Octyl-2H-isothiazol-3-on |
| 1,2-benzisothiazol-3(2H)-one |
| Reaction mass of 2-methyl-2H-isothiazol-3-one and 5-chloro-2-methyl-2H-isothiazol-3-one |
| Tetrahydro-1,3,4,6-tetrakis(hydroxymethyl)imidazo[4,5-d]imidazole-2,5(1H,3H)-dione |
| Zinc oxide |

### 2.3 Other hazards

Special danger of slipping by leaking/spilling product.

**Results of PBT and vPvB assessment**

Does not contain a PBT-/vPvB-substance at a concentration of ≥ 0,1%.

**Endocrine disrupting properties**

Does not contain an endocrine disruptor (ED) at a concentration of ≥ 0,1%.

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

Not relevant (mixture).

### 3.2 Mixtures

**Description of the mixture:**

| Name of substance | Identifier | Wt% | Classification acc. to GHS | Pictograms |
|---|---|---|---|---|
| quartz powder | CAS No<br>68855-54-9<br><br>EC No<br>310-127-6<br>272-489-0<br><br>REACH Reg. No<br>01-2119488518-22-xxxx | 2.5 – < 5 | STOT RE 2 / H373 |  |
| Tetrahydro-1,3,4,6-tetrakis(hydroxymethyl)imidazo[4,5-d]imidazole-2,5(1H,3H)-dione | CAS No<br>5395-50-6<br><br>EC No<br>226-408-0<br><br>REACH Reg. No<br>01-2120762062-63-xxxx | 0.015 – < 0.25 | Skin Sens. 1B / H317 |  |

| Name of substance | Identifier | Wt% | Classification acc. to GHS | Pictograms |
|---|---|---|---|---|
| 1,2-benzisothiazol-3(2H)-one | CAS No<br>2634-33-5<br><br>EC No<br>220-120-9<br><br>Index No<br>613-088-00-6<br><br>REACH Reg. No<br>01-2120761540-60-xxxx | 0.0015 – < 0.015 | Acute Tox. 4 / H302<br>Skin Irrit. 2 / H315<br>Eye Dam. 1 / H318<br>Skin Sens. 1 / H317<br>Aquatic Acute 1 / H400<br>Aquatic Chronic 2 / H411 |  |
| Terbutryn [EG-Nr. 212-950-5] | CAS No<br>886-50-0<br><br>EC No<br>212-950-5 | 0.0015 – < 0.015 | Acute Tox. 4 / H302<br>Skin Sens. 1B / H317<br>Aquatic Acute 1 / H400<br>Aquatic Chronic 1 / H410 |  |
| 2-Octyl-2H-isothiazol-3-on | CAS No<br>26530-20-1<br><br>EC No<br>247-761-7<br><br>Index No<br>613-112-00-5<br><br>REACH Reg. No<br>01-2120768921-45-xxxx | 0.0015 – < 0.015 | Acute Tox. 3 / H301<br>Acute Tox. 3 / H311<br>Acute Tox. 2 / H330<br>Skin Corr. 1 / H314<br>Eye Dam. 1 / H318<br>Skin Sens. 1A / H317<br>Aquatic Acute 1 / H400<br>Aquatic Chronic 1 / H410 |  |

| Name of substance | Specific Conc. Limits | M-Factors | ATE | Exposure route |
|---|---|---|---|---|
| 1,2-benzisothiazol-3(2H)-one | Skin Sens. 1; H317: C ≥ 0.05 % | - | 670 mg/kg | oral |
| Terbutryn [EG-Nr. 212-950-5] | - | M-factor (acute) = 100<br>M-factor (chronic) = 100 | 500 mg/kg | oral |
| 2-Octyl-2H-isothiazol-3-on | Skin Sens. 1A; H317: C ≥ 0.0015 % | M-factor (acute) = 100<br>M-factor (chronic) = 100 | 125 mg/kg<br>311 mg/kg<br>0.5 mg/l /4h<br>0.27 mg/l /4h | oral<br>dermal<br>inhalation: vapour<br>inhalation: dust/mist |

**Remarks**

For full text of abbreviations: see SECTION 16

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

**General notes**

Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.

**Following inhalation**

If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. Provide fresh air.

**Following skin contact**

Wash with plenty of soap and water.

**Following eye contact**

Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.

**Following ingestion**

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting.

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

Symptoms and effects are not known to date.

### 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, Alcohol resistant foam, BC-powder, Carbon dioxide (CO2)

**Unsuitable extinguishing media**

Water jet

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

**Hazardous combustion products**

Nitrogen oxides (NOx)

### 5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes, Co-ordinate firefighting measures to the fire surroundings, Do not allow firefighting water to enter drains or water courses, Collect contaminated firefighting water separately, Fight fire with normal precautions from a reasonable distance

## SECTION 6: Accidental release measures

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

**For non-emergency personnel**

Remove persons to safety.

**For emergency responders**

Wear breathing apparatus if exposed to vapours/dust/spray/gases.

### 6.2 Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it.

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

**Advice on how to contain a spill**

Covering of drains

**Advice on how to clean up a spill**

Wipe up with absorbent material (e.g. cloth, fleece). Collect spillage: Sawdust, Kieselgur (diatomite), Sand, Universal binder

**Appropriate containment techniques**

Use of adsorbent materials.

**Other information relating to spills and releases**

Place in appropriate containers for disposal. Ventilate affected area.

### 6.4 Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

**Recommendations**

**Measures to prevent fire as well as aerosol and dust generation**

Use local and general ventilation. Use only in well-ventilated areas.

**- Advice on general occupational hygiene**

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.

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

**Control of effects**

**Protect against external exposure, such as**

frost

### 7.3 Specific end use(s)

See section 16 for a general overview.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

**Occupational exposure limit values (Workplace Exposure Limits)**

| Country | Name of agent | CAS No | Identifier | TWA [ppm] | TWA [mg/m³] | STEL [ppm] | STEL [mg/m³] | Ceiling-C [ppm] | Ceiling-C [mg/m³] | Notation | Source |
|---|---|---|---|---|---|---|---|---|---|---|---|
| AT | titanium dioxide | 13463-67-7 | MAK | | 5 | | 10 (60 min) | | | r, dust | GKV |
| AT | 2-octyl-2H-isothiazol-3-one | 26530-20-1 | MAK | | 0.05 | | | | 0.05 | i, H | GKV |
| AT | reaction mass of: 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H -isothiazol-3-one (3:1) | 55965-84-9 | MAK | | 0.05 | | | | | | GKV |
| AT | Silica, amorphous - silica fume, calcined diatomaceous earth | 68855-54-9 | MAK | | 0.3 | | | | | r | GKV |

Notation

| | |
|---|---|
| Ceiling-C | ceiling value is a limit value above which exposure should not occur |
| dust | as dust |
| H | absorbed through the skin |
| i | inhalable fraction |
| r | respirable fraction |
| STEL | short-term exposure limit: a limit value above which exposure should not occur and which is related to a 15-minute period (unless otherwise specified) |
| TWA | time-weighted average (long-term exposure limit): measured or calculated in relation to a reference period of 8 hours time-weighted average (unless otherwise specified) |

**Relevant DNELs of components**

| Name of substance | CAS No | End-point | Threshold level | Protection goal, route of exposure | Used in | Exposure time |
|---|---|---|---|---|---|---|
| quartz powder | 68855-54-9 | DNEL | 0.05 mg/m³ | human, inhalatory | worker (industry) | chronic - systemic effects |
| 1,2-benziso-thiazol-3(2H)-one | 2634-33-5 | DNEL | 6.81 mg/m³ | human, inhalatory | worker (industry) | chronic - systemic effects |
| 1,2-benziso-thiazol-3(2H)-one | 2634-33-5 | DNEL | 0.966 mg/kg bw/day | human, dermal | worker (industry) | chronic - systemic effects |

**Relevant PNECs of components**

| Name of substance | CAS No | End-point | Threshold level | Organism | Environmental compartment | Exposure time |
|---|---|---|---|---|---|---|
| quartz powder | 68855-54-9 | PNEC | 100 mg/l | aquatic organisms | sewage treatment plant (STP) | short-term (single instance) |
| 1,2-benziso-thiazol-3(2H)-one | 2634-33-5 | PNEC | 4.03 µg/l | aquatic organisms | freshwater | short-term (single instance) |
| 1,2-benziso-thiazol-3(2H)-one | 2634-33-5 | PNEC | 0.403 µg/l | aquatic organisms | marine water | short-term (single instance) |
| 1,2-benziso-thiazol-3(2H)-one | 2634-33-5 | PNEC | 1.03 mg/l | aquatic organisms | sewage treatment plant (STP) | short-term (single instance) |
| 1,2-benziso-thiazol-3(2H)-one | 2634-33-5 | PNEC | 49.9 µg/kg | aquatic organisms | freshwater sediment | short-term (single instance) |
| 1,2-benziso-thiazol-3(2H)-one | 2634-33-5 | PNEC | 4.99 µg/kg | aquatic organisms | marine sediment | short-term (single instance) |
| 1,2-benziso-thiazol-3(2H)-one | 2634-33-5 | PNEC | 3 mg/kg | terrestrial organisms | soil | short-term (single instance) |
| 2-Octyl-2H-iso-thiazol-3-on | 26530-20-1 | PNEC | 2.2 µg/l | aquatic organisms | freshwater | short-term (single instance) |
| 2-Octyl-2H-iso-thiazol-3-on | 26530-20-1 | PNEC | 0.22 µg/l | aquatic organisms | marine water | short-term (single instance) |
| 2-Octyl-2H-iso-thiazol-3-on | 26530-20-1 | PNEC | 47.5 µg/kg | aquatic organisms | freshwater sediment | short-term (single instance) |
| 2-Octyl-2H-iso-thiazol-3-on | 26530-20-1 | PNEC | 4.75 µg/kg | aquatic organisms | marine sediment | short-term (single instance) |
| 2-Octyl-2H-iso-thiazol-3-on | 26530-20-1 | PNEC | 8.2 µg/kg | terrestrial organisms | soil | short-term (single instance) |

## 8.2 Exposure controls

**Appropriate engineering controls**

General ventilation.

**Individual protection measures (personal protective equipment)**

**Eye/face protection**

Wear eye/face protection.

**Eye/face protection**



**Wear eye/face protection.**

**Skin protection**

**- Hand protection**

Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. Check leak-tightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well. 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.

**- Other protection measures**

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.

**Respiratory protection**

In case of inadequate ventilation wear respiratory protection.

**Environmental exposure controls**

Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

| | |
|---|---|
| **Physical state** | liquid (paste) |
| **Colour** | different |
| **Odour** | characteristic |
| **Melting point/freezing point** | not determined |
| **Boiling point or initial boiling point and boiling range** | 100 °C at 1,013 hPa |
| **Flammability** | non-combustible |
| **Lower and upper explosion limit** | not determined |
| **Flash point** | not determined |
| **Auto-ignition temperature** | not determined |
| **Decomposition temperature** | not relevant |
| **pH (value)** | 8.5 – 9.5 |
| **Kinematic viscosity** | not determined |

**Solubility(ies)**

| | |
|---|---|
| **Water solubility** | miscible in any proportion |

**Partition coefficient**

| | |
|---|---|
| **Partition coefficient n-octanol/water (log value)** | this information is not available |

| | |
|---|---|
| **Vapour pressure** | 32 hPa at 25 °C |

**Density and/or relative density**

| | |
|---|---|
| **Density** | 1,365 – 1,515 g/cm³ |
| **Relative vapour density** | information on this property is not available |

| | |
|---|---|
| **Particle characteristics** | not relevant (liquid) |

### 9.2 Other information

| | |
|---|---|
| **Information with regard to physical hazard classes** | hazard classes acc. to GHS (physical hazards): not relevant |

**Other safety characteristics**

| | |
|---|---|
| **Miscibility** | Completely miscible with water. |

## SECTION 10: Stability and reactivity

### 10.1 Reactivity
Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials".

### 10.2 Chemical stability
See below "Conditions to avoid".

### 10.3 Possibility of hazardous reactions
No known hazardous reactions.

### 10.4 Conditions to avoid
There are no specific conditions known which have to be avoided.

### 10.5 Incompatible materials
There is no additional information.

### 10.6 Hazardous decomposition products
Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.

## SECTION 11: Toxicological information

### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008
Test data are not available for the complete mixture.

**Classification procedure**

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

**Classification according to GHS (1272/2008/EC, CLP)**

**Acute toxicity**

Shall not be classified as acutely toxic.

**Acute toxicity estimate (ATE) of components**

| Name of substance | CAS No | Exposure route | ATE |
|---|---|---|---|
| 1,2-benzisothiazol-3(2H)-one | 2634-33-5 | oral | 670 mg/kg |
| Terbutryn [EG-Nr. 212-950-5] | 886-50-0 | oral | 500 mg/kg |
| 2-Octyl-2H-isothiazol-3-on | 26530-20-1 | oral | 125 mg/kg |
| 2-Octyl-2H-isothiazol-3-on | 26530-20-1 | dermal | 311 mg/kg |
| 2-Octyl-2H-isothiazol-3-on | 26530-20-1 | inhalation: vapour | 0.5 mg/l/4h |
| 2-Octyl-2H-isothiazol-3-on | 26530-20-1 | inhalation: dust/mist | 0.27 mg/l/4h |

**Skin corrosion/irritation**

Shall not be classified as corrosive/irritant to skin.

**Serious eye damage/eye irritation**

Shall not be classified as seriously damaging to the eye or eye irritant.

**Respiratory or skin sensitisation**

Contains 2-Octyl-2H-isothiazol-3-on, 1,2-benzisothiazol-3(2H)-one, Tetrahydro-1,3,4,6-tetrakis(hy-

droxymethyl)imidazo[4,5-d]imidazole-2,5(1H,3H)-dione. May produce an allergic reaction.

**Classification Octylisothiazolinone**

Not skin sensitizing based on results on similar tested mixtures using transfer principles according to CLP Regulation Article 9 (4); OECD 429 LLNA (Mouse) -
not skin sensitizing - S4565 / S4568 / S5145 / S5147.

**Germ cell mutagenicity**

Shall not be classified as germ cell mutagenic.

**Carcinogenicity**

Shall not be classified as carcinogenic.

**Reproductive toxicity**

Shall not be classified as a reproductive toxicant.

**Specific target organ toxicity - single exposure**

Shall not be classified as a specific target organ toxicant (single exposure).

**Specific target organ toxicity - repeated exposure**

Shall not be classified as a specific target organ toxicant (repeated exposure).

**Aspiration hazard**

Shall not be classified as presenting an aspiration hazard.

### 11.2 Information on other hazards

There is no additional information.

## SECTION 12: Ecological information

### 12.1 Toxicity

Harmful to aquatic life with long lasting effects.

**Aquatic toxicity (chronic) of components**

| Name of substance | CAS No | Endpoint | Value | Species | Exposure time |
|---|---|---|---|---|---|
| quartz powder | 68855-54-9 | EC50 | >1,000 mg/l | microorganisms | 3 h |
| Tetrahydro-1,3,4,6-tetrakis(hydroxymethyl)imidazo[4,5-d]imidazole-2,5(1H,3H)-dione | 5395-50-6 | EC50 | >1,000 mg/l | microorganisms | 30 min |
| 1,2-benzisothiazol-3(2H)-one | 2634-33-5 | EC50 | 13 mg/l | microorganisms | 3 h |

### 12.2 Persistence and degradability

**Degradability of components**

| Name of substance | CAS No | Process | Degradation rate | Time | Method | Source |
|---|---|---|---|---|---|---|
| Tetrahydro-1,3,4,6-tetrakis(hydroxymethyl)imidazo[4,5-d]imidazole-2,5(1H,3H)-dione | 5395-50-6 | DOC removal | 70 – 80 % | 28 d | | ECHA |
| 1,2-benzisothiazol-3(2H)-one | 2634-33-5 | carbon dioxide generation | 62 % | 4 d | | ECHA |

### 12.3 Bioaccumulative potential

Data are not available.

**Bioaccumulative potential of components**

| Name of substance | CAS No | BCF | Log KOW | BOD5/COD |
|---|---|---|---|---|
| Tetrahydro-1,3,4,6-tetrakis(hydroxymethyl)imidazo[4,5-d]imidazole-2,5(1H,3H)-dione | 5395-50-6 | | -2.5 (pH value: 5, 24 °C) | |
| 1,2-benzisothiazol-3(2H)-one | 2634-33-5 | 6.62 | 0.63 (pH value: 7, 10 °C) | |
| 2-Octyl-2H-isothiazol-3-on | 26530-20-1 | 2.92 | 2.61 (pH value: 7, 25 °C) | |

### 12.4 Mobility in soil

Data are not available.

### 12.5 Results of PBT and vPvB assessment

Does not contain a PBT-/vPvB-substance at a concentration of ≥ 0,1%.

### 12.6 Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) at a concentration of ≥ 0,1%.

### 12.7 Other adverse effects

Data are not available.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

**Waste codes/waste designations according to LoW**

15 01 02: Plastic packaging
08 01 12: Waste paint and varnish other than those mentioned in 08 01 11

**Sewage disposal-relevant information**

Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

**Waste treatment of containers/packagings**

Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

**Remarks**

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

## SECTION 14: Transport information

| | | |
|---|---|---|
| **14.1** | **UN number or ID number** | not subject to transport regulations |
| **14.2** | **UN proper shipping name** | not relevant |
| **14.3** | **Transport hazard class(es)** | none |
| **14.4** | **Packing group** | not assigned |
| **14.5** | **Environmental hazards** | non-environmentally hazardous acc. to the dangerous goods regulations |

### 14.6 Special precautions for user

There is no additional information.

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

The cargo is not intended to be carried in bulk.

**Information for each of the UN Model Regulations**

**Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN) - Additional information**

Not subject to ADR, RID and ADN.

**International Maritime Dangerous Goods Code (IMDG) - Additional information**

Not subject to IMDG.

**International Civil Aviation Organization (ICAO-IATA/DGR) - Additional information**

Not subject to ICAO-IATA.

## SECTION 15: Regulatory information

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

**Relevant provisions of the European Union (EU)**

**Restrictions according to REACH, Annex XVII**

none of the ingredients are listed

**List of substances subject to authorisation (REACH, Annex XIV) / SVHC - candidate list**

none of the ingredients are listed

**Directive on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS)**

none of the ingredients are listed

**Regulation concerning the establishment of a European Pollutant Release and Transfer Register (PRTR)**

none of the ingredients are listed

**Water Framework Directive (WFD)**

**List of pollutants (WFD)**

| Name of substance | CAS No | Listed in | Remarks |
|---|---|---|---|
| Terbutryn [EG-Nr. 212-950-5] | 886-50-0 | b) | |
| Terbutryn [EG-Nr. 212-950-5] | 886-50-0 | c) | |
| Terbutryn [EG-Nr. 212-950-5] | | a) | |

Legend

a) Indicative list of the main pollutants
b) List of priority substances in the field of water policy
c) Environmental Quality Standards for Priority Substances and certain other pollutants

**Regulation on the marketing and use of explosives precursors**

Not relevant.

**Regulation on persistent organic pollutants (POP)**

none of the ingredients are listed

**National regulations (Austria)**

**Ordinance on combustible liquids (VbF)** not assigned

### 15.2 Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

## SECTION 16: Other information

**Indication of changes (revised safety data sheet)**

| Section | Former entry (text/value) | Actual entry (text/value) | Safety-relev-ant |
|---|---|---|---|
| 2.2 | | - Supplemental hazard information: change in the listing (table) | yes |
| 2.2 | | Biocidal active substances: | yes |

| Section | Former entry (text/value) | Actual entry (text/value) | Safety-relevant |
|---|---|---|---|
| | | change in the listing (table) | |
| 9.1 | Boiling point or initial boiling point and boiling range:<br>100 °C | Boiling point or initial boiling point and boiling range:<br>100 °C at 1,013 hPa | yes |
| 11.1 | Respiratory or skin sensitisation:<br>Contains Reaction mass of 2-methyl-2H-isothiazol-3-one and 5-chloro-2-methyl-2H-isothiazol-3-one, 1,2-benzisothiazol-3(2H)-one, 2-Octyl-2H-isothiazol-3-on.<br>May produce an allergic reaction. | Respiratory or skin sensitisation:<br>Contains 2-Octyl-2H-isothiazol-3-on, 1,2-benzisothiazol-3(2H)-one, Tetrahydro-1,3,4,6-tetrakis(hydroxymethyl)imidazo[4,5-d]imidazole-2,5(1H,3H)-dione.<br>May produce an allergic reaction. | yes |
| 11.1 | Classification Octylisothiazolinone:<br>Nicht hautsensibilisierend auf Basis der Ergebnisse an ähnlichen geprüften Gemischen unter Anwendung von Übertragungsgrundsätzen gemäß CLP-Verordnung Artikel 9 (4); OECD 429 LLNA (Maus) -<br>nicht hautsensibilisierend - S4565 / S4568 / S5145 / S5147. | | yes |
| 11.1 | | Classification Octylisothiazolinone:<br>Not skin sensitizing based on results on similar tested mixtures using transfer principles according to CLP Regulation Article 9 (4); OECD 429 LLNA (Mouse) - not skin sensitizing - S4565 / S4568 / S5145 / S5147. | yes |

**Abbreviations and acronyms**

| Abbr. | Descriptions of used abbreviations |
|---|---|
| Acute Tox. | Acute toxicity |
| ADN | Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures (European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways) |
| ADR | Accord relatif au transport international des marchandises dangereuses par route (Agreement concerning the International Carriage of Dangerous Goods by Road) |
| Aquatic Acute | Hazardous to the aquatic environment - acute hazard |
| Aquatic Chronic | Hazardous to the aquatic environment - chronic hazard |
| ATE | Acute Toxicity Estimate |
| BCF | Bioconcentration factor |
| BOD | Biochemical Oxygen Demand |
| CAS | Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances) |

| Abbr. | Descriptions of used abbreviations |
|---|---|
| Ceiling-C | Ceiling value |
| CLP | Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures |
| COD | Chemical oxygen demand |
| DGR | Dangerous Goods Regulations (see IATA/DGR) |
| DNEL | Derived No-Effect Level |
| EC50 | Effective Concentration 50 %. The EC50 corresponds to the concentration of a tested substance causing 50 % changes in response (e.g. on growth) during a specified time interval |
| EC No | The EC Inventory (EINECS, ELINCS and the NLP-list) is the source for the seven-digit EC number, an identifier of substances commercially available within the EU (European Union) |
| ED | Endocrine disruptor |
| EINECS | European Inventory of Existing Commercial Chemical Substances |
| ELINCS | European List of Notified Chemical Substances |
| Eye Dam. | Seriously damaging to the eye |
| Eye Irrit. | Irritant to the eye |
| GHS | "Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations |
| GKV | Grenzwerteverordnung |
| IATA | International Air Transport Association |
| IATA/DGR | Dangerous Goods Regulations (DGR) for the air transport (IATA) |
| ICAO | International Civil Aviation Organization |
| IMDG | International Maritime Dangerous Goods Code |
| index No | The Index number is the identification code given to the substance in Part 3 of Annex VI to Regulation (EC) No 1272/2008 |
| log KOW | n-Octanol/water |
| LoW | List of Wastes |
| M-factor | Means a multiplying factor. It is applied to the concentration of a substance classified as hazardous to the aquatic environment acute category 1 or chronic category 1, and is used to derive by the summation method the classification of a mixture in which the substance is present |
| NLP | No-Longer Polymer |
| PBT | Persistent, Bioaccumulative and Toxic |
| PNEC | Predicted No-Effect Concentration |
| ppm | Parts per million |
| REACH | Registration, Evaluation, Authorisation and Restriction of Chemicals |
| RID | Règlement concernant le transport International ferroviaire des marchandises |

| Abbr. | Descriptions of used abbreviations |
|---|---|
| | Dangereuses (Regulations concerning the International carriage of Dangerous goods by Rail) |
| Skin Corr. | Corrosive to skin |
| Skin Irrit. | Irritant to skin |
| Skin Sens. | Skin sensitisation |
| STEL | Short-term exposure limit |
| STOT RE | Specific target organ toxicity - repeated exposure |
| SVHC | Substance of Very High Concern |
| TWA | Time-weighted average |
| vPvB | Very Persistent and very Bioaccumulative |

**Key literature references and sources for data**

Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures.
Regulation (EC) No. 1907/2006 (REACH), amended by 2020/878/EU.
Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN). International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).

**Classification procedure**

Physical and chemical properties: The classification is based on tested mixture.
Health hazards, Environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

**List of relevant phrases (code and full text as stated in section 2 and 3)**

| Code | Text |
|---|---|
| H301 | Toxic if swallowed. |
| H302 | Harmful if swallowed. |
| H311 | Toxic in contact with skin. |
| H314 | Causes severe skin burns and eye damage. |
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H318 | Causes serious eye damage. |
| H330 | Fatal if inhaled. |
| H373 | May cause damage to organs through prolonged or repeated exposure. |
| H400 | Very toxic to aquatic life. |
| H410 | Very toxic to aquatic life with long lasting effects. |
| H411 | Toxic to aquatic life with long lasting effects. |
| H412 | Harmful to aquatic life with long lasting effects. |

**Disclaimer**

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.