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

### 1.1 Product identifier

| | |
|---|---|
| **Trade name** | **Stellapor Top** |
| **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<br>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 | Cat-egory | 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, Reaction mass of 2-methyl-2H-isothiazol-3-one and 5-chloro-2-methyl-2H-isothiazol-3-one. 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 |
| Tetrahydro-1,3,4,6-tetrakis(hydroxymethyl)imidazo[4,5-d]imidazole-2,5(1H,3H)-dione |
| Reaction mass of 2-methyl-2H-isothiazol-3-one and 5-chloro-2-methyl-2H-isothiazol-3-one |
| 1,2-benzisothiazol-3(2H)-one |

### 2.3 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 |
|---|---|---|---|---|
| Terbutryn [EG-Nr. 212-950-5] | CAS No 886-50-0<br><br>EC No 212-950-5 | 0.0015 – < 0.025 | Acute Tox. 4 / H302<br>Skin Sens. 1B / H317<br>Aquatic Acute 1 / H400<br>Aquatic Chronic 1 / H410 | |
| Reaction mass of 2-methyl-2H-isothiazol-3-one and 5-chloro-2-methyl-2H-isothiazol-3-one | CAS No 55965-84-9<br><br>Index No 613-167-00-5<br><br>REACH Reg. No 01-2120764691-48-xxxx | 0.00015 – < 0.0015 | Acute Tox. 3 / H301<br>Acute Tox. 2 / H310<br>Acute Tox. 2 / H330<br>Skin Corr. 1C / H314<br>Eye Dam. 1 / H318<br>Skin Sens. 1A / H317<br>Aquatic Acute 1 / H400<br>Aquatic Chronic 1 / H410 | |
| 2-Octyl-2H-isothiazol-3-on | CAS No 26530-20-1<br><br>EC No 247-761-7<br><br>Index No 613-112-00-5<br><br>REACH Reg. No 01-2120768921-45-xxxx | 0.00015 – < 0.0015 | 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 |
|---|---|---|---|---|
| Terbutryn [EG-Nr. 212-950-5] | - | M-factor (acute) = 100<br>M-factor (chronic) = 100 | 500 mg/kg | oral |
| Reaction mass of 2- | Skin Corr. 1C; H314: C ≥ 0.6 % | M-factor | 100 mg/kg | oral |

| Name of substance | Specific Conc. Limits | M-Factors | ATE | Exposure route |
|---|---|---|---|---|
| methyl-2H-isothiazol-3-one and 5-chloro-2-methyl-2H-isothiazol-3-one | Skin Irrit. 2; H315: 0.06 % ≤ C < 0.6 %<br>Eye Dam. 1; H318: C ≥ 0.6 %<br>Eye Irrit. 2; H319: 0.06 % ≤ C < 0.6 %<br>Skin Sens. 1A; H317: C ≥ 0.0015 % | (acute) = 100<br>M-factor (chronic) = 100 | 50 mg/kg<br>0.5 mg/l /4h<br>0.05 mg/l /4h | dermal<br>inhalation: vapour<br>inhalation: dust/mist |
| 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 | 2-methyl-2H-isothiazol-3-one | 2682-20-4 | MAK | | 0.05 | | | | | | 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 |

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 |
|---|---|---|---|---|---|---|
| Reaction mass of 2-methyl-2H-isothiazol-3-one and 5-chloro-2-methyl-2H-isothiazol-3-one | 55965-84-9 | DNEL | 0.02 mg/m³ | human, inhalatory | worker (industry) | chronic - local effects |
| Reaction mass of 2-methyl-2H-isothiazol-3-one and 5-chloro-2-methyl-2H-isothiazol-3-one | 55965-84-9 | DNEL | 0.04 mg/m³ | human, inhalatory | worker (industry) | acute - local effects |

**Relevant PNECs of components**

| Name of substance | CAS No | End-point | Threshold level | Organism | Environmental compartment | Exposure time |
|---|---|---|---|---|---|---|
| Reaction mass of 2-methyl-2H-isothiazol-3-one and 5-chloro-2-methyl-2H-isothiazol-3-one | 55965-84-9 | PNEC | 3.39 µg/l | aquatic organisms | freshwater | short-term (single instance) |
| Reaction mass of 2-methyl-2H-isothiazol-3-one and 5-chloro-2-methyl-2H-isothiazol-3-one | 55965-84-9 | PNEC | 3.39 µg/l | aquatic organisms | marine water | short-term (single instance) |
| Reaction mass of 2-methyl-2H-isothiazol-3-one and 5-chloro-2-methyl-2H-isothiazol-3-one | 55965-84-9 | PNEC | 0.23 mg/l | aquatic organisms | sewage treatment plant (STP) | short-term (single instance) |
| Reaction mass of 2-methyl-2H-isothiazol-3-one and 5-chloro-2-methyl-2H-isothiazol-3-one | 55965-84-9 | PNEC | 0.027 mg/kg | aquatic organisms | freshwater sediment | short-term (single instance) |
| Reaction mass of 2-methyl-2H-isothiazol-3-one and 5-chloro-2-methyl-2H-iso- | 55965-84-9 | PNEC | 0.027 mg/kg | aquatic organisms | marine sediment | short-term (single instance) |

**Relevant PNECs of components**

| Name of substance | CAS No | End-point | Threshold level | Organism | Environmental compartment | Exposure time |
|---|---|---|---|---|---|---|
| thiazol-3-one | | | | | | |
| Reaction mass of 2-methyl-2H-isothiazol-3-one and 5-chloro-2-methyl-2H-isothiazol-3-one | 55965-84-9 | PNEC | 0.01 mg/kg | terrestrial organisms | soil | short-term (single instance) |
| 2-Octyl-2H-isothiazol-3-on | 26530-20-1 | PNEC | 2.2 µg/l | aquatic organisms | freshwater | short-term (single instance) |
| 2-Octyl-2H-isothiazol-3-on | 26530-20-1 | PNEC | 0.22 µg/l | aquatic organisms | marine water | short-term (single instance) |
| 2-Octyl-2H-isothiazol-3-on | 26530-20-1 | PNEC | 47.5 µg/kg | aquatic organisms | freshwater sediment | short-term (single instance) |
| 2-Octyl-2H-isothiazol-3-on | 26530-20-1 | PNEC | 4.75 µg/kg | aquatic organisms | marine sediment | short-term (single instance) |
| 2-Octyl-2H-isothiazol-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 |
| **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 – 9 |
| **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** | 1,680 – 2,060 g/cm³ at 20 °C |
| **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 |
|---|---|---|---|
| Terbutryn [EG-Nr. 212-950-5] | 886-50-0 | oral | 500 mg/kg |
| Reaction mass of 2-methyl-2H-isothiazol-3-one and 5-chloro-2-methyl-2H-isothiazol-3-one | 55965-84-9 | oral | 100 mg/kg |
| Reaction mass of 2-methyl-2H-isothiazol-3-one and 5-chloro-2-methyl-2H-isothiazol-3-one | 55965-84-9 | dermal | 50 mg/kg |
| Reaction mass of 2-methyl-2H-isothiazol-3-one and 5-chloro-2-methyl-2H-isothiazol-3-one | 55965-84-9 | inhalation: vapour | 0.5 mg/l/4h |
| Reaction mass of 2-methyl-2H-isothiazol-3-one and 5-chloro-2-methyl-2H- | 55965-84-9 | inhalation: dust/mist | 0.05 mg/l/4h |

| Acute toxicity estimate (ATE) of components | | | |
|---|---|---|---|
| **Name of substance** | **CAS No** | **Exposure route** | **ATE** |
| isothiazol-3-one | | | |
| 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, Reaction mass of 2-methyl-2H-isothiazol-3-one and 5-chloro-2-methyl-2H-isothiazol-3-one. 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 |
|---|---|---|---|---|---|
| Reaction mass of 2-methyl-2H-isothiazol-3-one and 5-chloro-2-methyl-2H-isothiazol-3-one | 55965-84-9 | LC50 | 0.07 mg/l | fish | 14 d |
| Reaction mass of 2-methyl-2H-isothiazol-3-one and 5-chloro-2-methyl-2H-isothiazol-3-one | 55965-84-9 | EC50 | >0.18 mg/l | aquatic invertebrates | 21 d |
| Reaction mass of 2-methyl-2H-isothiazol-3-one and 5-chloro-2-methyl-2H-isothiazol-3-one | 55965-84-9 | ErC50 | 45.6 µg/l | algae | 120 h |

### 12.2 Persistence and degradability

**Degradability of components**

| Name of substance | CAS No | Process | Degradation rate | Time | Method | Source |
|---|---|---|---|---|---|---|
| Reaction mass of 2-methyl-2H-isothiazol-3-one and 5-chloro-2-methyl-2H-isothiazol-3-one | 55965-84-9 | carbon dioxide generation | 38.8 % | 29 d | | ECHA |

### 12.3 Bioaccumulative potential

Data are not available.

**Bioaccumulative potential of components**

| Name of substance | CAS No | BCF | Log KOW | BOD5/COD |
|---|---|---|---|---|
| Reaction mass of 2-methyl-2H-isothiazol-3-one and 5-chloro-2-methyl-2H-isothiazol-3-one | 55965-84-9 | 54 | ≥-0.34 – ≤0.63 (pH value: 7, 10 °C) | |

| Bioaccumulative potential of components | | | | |
|---|---|---|---|---|
| **Name of substance** | **CAS No** | **BCF** | **Log KOW** | **BOD5/COD** |
| 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
Must not be disposed together with household wastes.

**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**

It is a dangerous waste; only packagings which are approved (e.g. acc. to ADR) may be used. 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**

**Dangerous substances with restrictions (REACH, Annex XVII)**

| Name of substance | Name acc. to inventory | CAS No | EC No | Type of registration | Remarks | Restriction | No |
|---|---|---|---|---|---|---|---|
| Stellapor Top | this product meets the criteria for classification in accordance with Regulation No 1272/2008/EC | | | 1907/2006/EC annex XVII | Liquid 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: (a) hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F; (b) hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on | R3 | 3 |

**Dangerous substances with restrictions (REACH, Annex XVII)**

| Name of substance | Name acc. to inventory | CAS No | EC No | Type of registration | Remarks | Restriction | No |
|---|---|---|---|---|---|---|---|
| | | | | | development, 3.8 effects other than narcotic effects, 3.9 and 3.10; (c) hazard class 4.1; (d) hazard class 5.1. | | |
| Stellapor Top | Synthetic polymer microparticles | | | 1907/2006/EC annex XVII | polymers that are solid and which fulfil both of the following conditions: (a) are contained in particles and constitute at least 1 % by weight of those particles; or build a continuous surface coating on particles; (b) at least 1 % by weight of the particles referred to in point (a) fulfil either of the following conditions: (i) all dimensions of the particles are equal to or less than 5 mm; (ii) the length of the particles is equal to or less than 15 mm and their length to diameter ratio is | R78 | 78 |

| Dangerous substances with restrictions (REACH, Annex XVII) | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Name of substance** | **Name acc. to inventory** | **CAS No** | **EC No** | **Type of registration** | **Remarks** | **Restriction** | **No** |
| | | | | | greater than 3. The following polymers are excluded from this designation: (a) polymers that are the result of a polymerisation process that has taken place in nature, independently of the process through which they have been extracted, which are not chemically modified substances; (b) polymers that are degradable as proved in accordance with Appendix 15; (c) polymers that have a solubility greater than 2 g/L as proved in accordance with Appendix 16; (d) polymers that do not contain carbon atoms in their chemical structure. | | |
| Reaction mass of 2-methyl-2H-isothiazol-3-one and 5-chloro-2-methyl- | | 55965-84-9 | | | | | |

| Dangerous substances with restrictions (REACH, Annex XVII) | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Name of substance** | **Name acc. to inventory** | **CAS No** | **EC No** | **Type of registration** | **Remarks** | **Restriction** | **No** |
| 2H-isothiazol-3-one | | | | | | | |
| 2-Octyl-2H-isothiazol-3-on | | 26530-20-1 | 247-761-7 | | | | |
| Terbutryn [EG-Nr. 212-950-5] | | 886-50-0 | 212-950-5 | | | | |

Legend

R3 1. Shall not be used in:
- ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
- tricks and jokes,
- games for one or more participants, or any article intended to be used as such, even with ornamental aspects,
2. Articles not complying with paragraph 1 shall not be placed on the market.
3. Shall not be placed on the market if they contain a colouring agent, unless required for fiscal reasons, or perfume, or both, if they:
— can be used as fuel in decorative oil lamps for supply to the general public, and
— present an aspiration hazard and are labelled with H304.
4. Decorative oil lamps for supply to the general public shall not be placed on the market unless they conform to the European Standard on Decorative oil lamps (EN 14059) adopted by the European Committee for Standardisation (CEN).
5. Without prejudice to the implementation of other Union provisions relating to the classification, labelling and packaging of substances and mixtures, suppliers shall ensure, before the placing on the market, that the following requirements are met:
(a) lamp oils, labelled with H304, intended for supply to the general public are visibly, legibly and indelibly marked as follows: “Keep lamps filled with this liquid out of the reach of children”; and, by 1 December 2010, “Just a sip of lamp oil – or even sucking the wick of lamps – may lead to life-threatening lung damage”;
(b) grill lighter fluids, labelled with H304, intended for supply to the general public are legibly and indelibly marked by 1 December 2010 as follows: ‘Just a sip of grill lighter fluid may lead to life threatening lung damage’;
(c) lamps oils and grill lighters, labelled with H304, intended for supply to the general public are packaged in black opaque containers not exceeding 1 litre by 1 December 2010.’;

R78 1. Shall not be placed on the market on their own or, where the synthetic polymer microparticles are present to confer a sought-after characteristic, in mixtures in a concentration equal to or greater than 0,01 % by weight.
2. For the purposes of this entry, the following definitions apply:
(a) “particle” means a minute piece of matter, other than single molecules, with defined physical boundaries;
(b) “solid” means a substance or mixture other than a liquid or gas;
(c) “gas” means a substance or mixture which at 50 °C has a vapour pressure greater than 300 kPa (absolute), or is completely gaseous at 20 °C at a standard pressure of 101,3 kPa;
(d) “liquid” means a substance or mixture that meets any of the following conditions:
(i) the substance or mixture at 50 °C has a vapour pressure of not more than 300 kPa, is not completely gaseous at 20 °C and at a standard pressure of 101,3 kPa, and has a melting point or initial melting point of 20 °C or less at a standard pressure of 101,3 kPa;
(ii) the substance or mixture fulfils the criteria in the American Society for Testing and Materials (ASTM) D 4359-90 Standard Test Method for Determining Whether a Material Is a Liquid or a Solid;
(iii) the substance or mixture passes the fluidity test (penetrometer test) described in chapter 2.3.4 of Part 2 of Annex A to the European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR) concluded at Geneva on 30 September 1957;
(e) “make-up product” means any substance or mixture intended to be placed in contact with specific external parts of the human body, namely the epidermis, eye brows and eye lashes, with a view to, exclusively or mainly, changing their appearance;
3. Where the concentration of synthetic polymer microparticles covered by this entry cannot be determined by available analytical methods or accompanying documentation, in order to verify the compliance with the concentration limit referred to in paragraph 1, only the particles of at least the following size shall be taken into account:
(a) 0,1 µm for any dimension, for particles where all dimensions are equal to or smaller than 5 mm;
(b) 0,3 µm in length, for particles that have a length that is equal to or smaller than 15 mm and a length to diameter ratio greater than 3.
4. Paragraph 1 shall not apply to the placing on the market of:
(a) synthetic polymer microparticles, as substances on their own or in mixtures, for use at industrial sites;
(b) medicinal products within the scope of Directive 2001/83/EC and veterinary medicinal products within the scope of Regulation (EU) 2019/6 of the European Parliament and of the Council (*1);
(c) EU fertilising products within the scope of Regulation (EU) 2019/1009 of the European Parliament and of the Council (*2);
(d) food additives within the scope of Regulation (EC) No 1333/2008 of the European Parliament and of the Council (*3);
(e) in vitro diagnostic devices, including devices within the scope of Regulation (EU) 2017/746 of the European Parliament and of the Council (*4);
(f) food within the meaning of Article 2 of Regulation (EC) No 178/2002, not covered by point (d) of this paragraph, and feed as defined in Article 3(4) of that Regulation.
5. Paragraph 1 shall not apply to the placing on the market of the following synthetic polymer microparticles on their own or in mixtures:
(a) synthetic polymer microparticles which are contained by technical means so that releases to the environment are preven-

Legend

ted when used in accordance with the instructions for use during the intended end use;
(b) synthetic polymer microparticles the physical properties of which are permanently modified during intended end use in such a way that the polymer no longer falls within the scope of this entry;
(c) synthetic polymer microparticles which are permanently incorporated into a solid matrix during intended end use.
6. Paragraph 1 shall apply as follows regarding the following uses:
(a) from 17 October 2029 to synthetic polymer microparticles for use in the encapsulation of fragrances;
(b) from 17 October 2027 for "rinse-off products" as defined in point (1)(a) of the Preamble to Annexes II to VI to Regulation (EC) No 1223/2009 unless such products are covered by point (a) of this paragraph or contain synthetic polymer microparticles for use as an abrasive, i.e. namely to exfoliate, polish or clean ("microbeads");
(c) from 17 October 2035 for lip products as defined in point (1)(e) of the Preamble to Annexes II to VI to Regulation (EC) No 1223/2009, nail products as defined in point (1)(g) of the Preamble to Annexes II to VI to that Regulation, and make-up products within the scope of that Regulation, unless such products are covered by points (a) or (b) of this paragraph or contain microbeads;
(d) from 17 October 2029 for leave-on products, as defined in point (1)(b) of the Preamble to Annexes II to VI to Regulation (EC) No 1223/2009, unless such products are covered by points (a) or (c) of this paragraph;
(e) from 17 October 2028 for detergents, as defined in Article 2(1) of Regulation (EC) No 648/2004, waxes, polishes and air care products, unless those products are covered by point (a) of this paragraph or contain microbeads;
(f) from 17 October 2029 for "devices", within the scope of Regulation (EU) 2017/745 of the European Parliament and of the Council (*5), unless those devices contain microbeads;
(g) from 17 October 2028 for "fertilising products", as defined in Article 2, point (1), of Regulation (EU) 2019/1009, which do not fall within the scope of that Regulation;
(h) from 17 October 2031 for plant protection products within the meaning of Article 2(1) of Regulation (EC) No 1107/2009 of the European Parliament and of the Council (*6) and seeds treated with those products, and biocidal products as defined in Article 3(1), point (a), of Regulation (EU) No 528/2012 of the European Parliament and of the Council (*7);
(i) from 17 October 2028 for products for agricultural and horticultural uses not covered by points (g) or (h);
(j) from 17 October 2031 for granular infill for use on synthetic sports surfaces.
7. From 17 October 2025 suppliers of synthetic polymer microparticles referred to in paragraph 4, point (a), shall provide the following information:
(a) instructions for use and disposal explaining to industrial downstream users how to prevent releases of synthetic polymer microparticles to the environment;
(b) the following statement: "The synthetic polymer microparticles supplied are subject to conditions laid down by entry 78 of Annex XVII to Regulation (EC) No 1907/2006 of the European Parliament and of the Council";
(c) the information on quantity or, as applicable, concentration of synthetic polymer microparticles in the substance or mixture;
(d) generic information on the identity of the polymers contained in the substance or mixture that enables manufacturers, industrial downstream users and other suppliers to comply with their obligations laid down in paragraphs 11 and 12.
8. From 17 October 2026 suppliers of products containing synthetic polymer microparticles referred to in paragraph 4, point (e), and from 17 October 2025 suppliers of products containing synthetic polymer microparticles referred to in paragraph 4, point (d), and paragraph 5, shall provide instructions for use and disposal explaining to professional users and the general public how to prevent releases of synthetic polymer microparticles to the environment.
9. From 17 October 2031 until 16 October 2035 suppliers of products referred to in paragraph 6, point (c), containing synthetic polymer microparticles shall provide the following statement: "This product contains microplastics." However, products placed on the market before 17 October 2031 are not required to bear that statement until 17 December 2031.
10. The information referred to in paragraphs 7, 8 and 9 shall be provided in the form of clearly visible, legible and indelible text or, where appropriate regarding the information in paragraphs 7 and 8, in the form of pictograms. The text or pictograms shall be placed on the label, the packaging, or the package leaflet of the products containing synthetic polymer microparticles or, regarding the information in paragraph 7, on the safety data sheet. In addition to the text or pictograms, suppliers may provide a digital tool that gives access to an electronic version of that information.
Where instructions for use and disposal are provided in accordance with paragraphs 7, 8 and 9 in the form of a text, they shall be in the official languages of the Member States where the substance or mixture is placed on the market, unless the Member States concerned provide otherwise.
11. Starting from 2026 manufacturers and industrial downstream users of synthetic polymer microparticles in the form of pellets, flakes, and powders used as feedstock in plastic manufacturing at industrial sites, and, starting from 2027, other manufacturers of synthetic polymer microparticles and other industrial downstream users using synthetic polymer microparticles at industrial sites shall submit the following information to the Agency by 31 May of each year:
(a) a description of the uses of synthetic polymer microparticles in the previous calendar year;
(b) for each use of synthetic polymer microparticles, generic information on the identity of the polymers used;
(c) for each use of synthetic polymer microparticles, an estimate of the quantity of synthetic polymer microparticles released to the environment in the previous calendar year, which shall include also the quantity of synthetic polymer microparticles released to the environment during transportation.
(d) for each use of synthetic polymer microparticles, a reference to the derogation laid down in paragraph 4, point (a).
12. From 2027, suppliers of products containing synthetic polymer microparticles referred to in paragraphs 4, points (b), (d) and (e), and paragraph 5, placed on the market for the first time to professional users and the general public, shall submit the following information to the Agency by 31 May of each year:
(a) a description of the end uses for which the synthetic polymer microparticles were placed on the market in the previous calendar year;
(b) for each end use for which the synthetic polymer microparticles were placed on the market, generic information on the identity of the polymers placed on the market in the previous calendar year;
(c) for each end use for which the synthetic polymer microparticles were placed on the market, an estimate of the quantity of synthetic polymer microparticles released to the environment in the previous calendar year, which shall include also the quantity of synthetic polymer microparticles released to the environment during transportation.
(d) for each use of synthetic polymer microparticles, a reference to the applicable derogation or derogations laid down in paragraph 4, point (b), (d) or (e), or 5 point (a), (b) or (c).
13. The Agency shall make the information submitted under paragraphs 11 and 12 available to the Member States.
14. Manufacturers, importers and industrial downstream users of products containing synthetic polymer microparticles shall

Legend

provide specific information on the identity of polymers covered by this entry contained in those products and the function of those polymers in the products to competent authorities upon their request. The specific information on the polymer identity shall be sufficient to unequivocally identify polymers and shall at least include the information laid down in points 2.1 to 2.2.3 and points 2.3.5, 2.3.6 and 2.3.7 of Annex VI, where applicable.
If the information is not available to industrial downstream users, they shall request it from their supplier within 7 days from the receipt of the request from the competent authorities and shall inform the authorities of the request made without delay. Having received the request referred to in the second subparagraph, the suppliers shall provide the requested information within 30 days to the industrial downstream user or directly to the competent authority requesting it.
Where the supplier provides the information to the industrial downstream user, the industrial downstream user shall forward that information to the competent authorities without delay.
Where the supplier provides the information directly to the authority, it shall without delay inform the industrial downstream user concerned to that effect.
15. Manufacturers, importers and industrial downstream users of products containing polymers claimed to be excluded from the designation of synthetic polymer microparticles on grounds of degradability or solubility shall provide, without delay, information proving that those polymers are degradable in accordance with Appendix 15 or soluble in accordance with Appendix 16, as applicable, to competent authorities upon their request.
16. Paragraph 1 shall not apply to placing on the market of synthetic polymers microparticles, on their own or in mixtures, placed on the market before 17 October 2023.
However, the first subparagraph shall not apply to the placing on the market of synthetic polymers microparticles for uses listed in paragraph 6.

### REACH, Annex XVII, entry 78 on SPM

| SPM for which a restriction applies | | | |
|---|---|---|---|
| **Identity of the polymer** | **Particles containing SPM** | **Dry weight of SPM** | **SPM releases** |
| amino-resins, phenolic resins and polyurethanes, in primary forms | | | |

### 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** |
| Reaction mass of 2-methyl-2H-isothiazol-3-one and 5-chloro-2-methyl-2H-isothiazol-3-one | | a) | |
| 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-relevant |
|---|---|---|---|
| 3.2 | | Description of the mixture:: change in the listing (table) | yes |
| 3.2 | | Description of the mixture:: change in the listing (table) | yes |
| 8.1 | | Relevant PNECs of components: change in the listing (table) | yes |
| 11.1 | | Acute toxicity estimate (ATE) of components: change in the listing (table) | yes |
| 12.3 | | Bioaccumulative potential of components: change in the listing (table) | yes |
| 13.1 | Waste treatment methods | - Waste treatment methods: Must not be disposed together with household wastes. | yes |
| 13.1 | Waste treatment of containers/packagings: Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself. | Waste treatment of containers/packagings: It is a dangerous waste; only packagings which are approved (e.g. acc. to ADR) may be used. Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself. | yes |
| 15.1 | | Dangerous substances with restrictions (REACH, Annex XVII): change in the listing (table) | yes |
| 15.1 | | REACH, Annex XVII, entry 78 on SPM | yes |
| 15.1 | | SPM for which a restriction applies: change in the listing (table) | yes |
| 16 | | Abbreviations and acronyms: | yes |

| Section | Former entry (text/value) | Actual entry (text/value) | Safety-relev-ant |
|---|---|---|---|
| | | change in the listing (table) | |

### 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) |
| 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 |
| ErC50 | ≡ EC50: in this method, that concentration of test substance which results in a 50 % reduction in either growth (EbC50) or growth rate (ErC50) relative to the control |
| Eye Dam. | Seriously damaging to the eye |

| Abbr. | Descriptions of used abbreviations |
|---|---|
| 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 |
| LC50 | Lethal Concentration 50%: the LC50 corresponds to the concentration of a tested substance causing 50 % lethality during a specified time interval |
| 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 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 |
| SPM | Synthetic polymer microparticle |
| STEL | Short-term exposure limit |
| 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. |
| H310 | Fatal in contact with skin. |
| H311 | Toxic in contact with skin. |
| H314 | Causes severe skin burns and eye damage. |
| 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. |
| 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.