

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 29 Mar 2021

Print date: 3 Sep 2021

Version: 1



## TYROLIT DUO 30

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

#### 1.1. Product identifier

Trade name/designation:

**TYROLIT DUO 30**

UFI:

S110-8023-H006-S58S

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

Use of the substance/mixture:

Impregnation agent

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

Supplier (manufacturer/importer/only representative/downstream user/distributor):

**Tyrolit Construction Products GmbH**

Swarovskistrasse 33

6130 Schwaz

Austria

Telephone: +43 5242 6060

E-mail: [construction@tyrolit.com](mailto:construction@tyrolit.com)

Website: [www.tyrolit.com](http://www.tyrolit.com)

E-mail (competent person): [construction@tyrolit.com](mailto:construction@tyrolit.com)

#### 1.4. Emergency telephone number

Ireland: National Poisons Information Centre , 24h: +35318092566

Malta: Malta Competition and Consumer Affairs Authority (MCCAA) , 24h: +356 2395 2000

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

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

| Hazard classes and hazard categories                      | Hazard statements                    | Classification procedure |
|-----------------------------------------------------------|--------------------------------------|--------------------------|
| Skin corrosion/irritation ( <i>Skin Irrit. 2</i> )        | H315: Causes skin irritation.        |                          |
| Serious eye damage/eye irritation ( <i>Eye Irrit. 2</i> ) | H319: Causes serious eye irritation. |                          |

#### 2.2. Label elements

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

Hazard pictograms:



**GHS07**

Exclamation mark

Signal word: Warning

#### hazard statements for health hazards

|      |                                |
|------|--------------------------------|
| H315 | Causes skin irritation.        |
| H319 | Causes serious eye irritation. |

Supplemental hazard information: -

#### Precautionary statements Prevention

|      |                                                                            |
|------|----------------------------------------------------------------------------|
| P260 | Do not breathe dust/fume/gas/mist/vapours/spray.                           |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 29 Mar 2021

Print date: 3 Sep 2021

Version: 1



## TYROLIT DUO 30

### Precautionary statements Response

|                    |                                                                                                                                  |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------|
| P305 + P351 + P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P332 + P313        | If skin irritation occurs: Get medical advice/attention.                                                                         |




### 2.3. Other hazards

No data available

## SECTION 3: Composition / information on ingredients

### 3.2. Mixtures

#### Hazardous ingredients / Hazardous impurities / Stabilisers:

| product identifiers                                                                                  | Substance name<br>Classification according to Regulation (EC) No 1272/2008<br>[CLP]                                                                                                                                                                                               | Concentration    |
|------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
| <b>CAS No.:</b> 1312-76-1<br><b>EC No.:</b> 215-199-1<br><b>REACH No.:</b><br>01-2119456888-17-0002  | <b>Silicic acid, potassium salt</b><br>Eye Irrit. 2 (H319), STOT SE 3 (H335), Skin Irrit. 2 (H315)<br><b>Specific concentration limit (SCL)</b><br>STOT SE 3; H335: C ≥ 75%<br>Eye Irrit. 2; H319: C ≥ 40%<br>Skin Irrit. 2; H315: C ≥ 40%                                        | ≤ 20<br>weight-% |
| <b>CAS No.:</b> 31795-24-1<br><b>EC No.:</b> 250-807-9<br><b>REACH No.:</b><br>01-2119517439-34-0000 | <b>potassium methylsilanetriolate</b><br>Eye Dam. 1 (H318), Skin Corr. 1A (H314)<br> <b>Danger</b>                                                                                             | ≤ 5<br>weight-%  |
| <b>CAS No.:</b> 1310-66-3                                                                            | <b>lithium hydroxide</b><br>Acute Tox. 4 (H302), Eye Dam. 1 (H318), Skin Corr. 1A (H314)<br>  <b>Danger</b> | < 1<br>weight-%  |

Full text of H- and EUH-phrases: see section 16.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information:

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Remove victim out of the danger area. Remove contaminated, saturated clothing. If unconscious but breathing normally, place in recovery position and seek medical advice. Do not leave affected person unattended.

#### Following inhalation:

Provide fresh air. In case of respiratory tract irritation, consult a physician.

#### In case of skin contact:

After contact with skin, wash immediately with plenty of water and soap. If skin irritation or rash occurs: Get medical advice/attention.

#### After eye contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

#### Following ingestion:

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Rinse mouth. Let water be drunk in little sips (dilution effect). Get medical advice/attention if you feel unwell.

#### Self-protection of the first aider:

Use personal protection equipment.

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

Skin corrosion/irritation. Serious eye damage/eye irritation.

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

Treat symptomatically.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

**Revision date:** 29 Mar 2021

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## TYROLIT DUO 30

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

**Suitable extinguishing media:**

The product itself does not burn. Co-ordinate fire-fighting measures to the fire surroundings.

**Unsuitable extinguishing media:**

Full water jet

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

Pyrolysis products, toxic. The product itself does not burn.

**Hazardous combustion products:**

Nitrogen oxides (NOx), Carbon dioxide (CO<sub>2</sub>), Carbon monoxide; In case of fire: Gases/vapours, toxic

#### 5.3. Advice for firefighters

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

#### 5.4. Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

Dispose of waste according to applicable legislation.

### SECTION 6: Accidental release measures

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

##### 6.1.1. For non-emergency personnel

**Personal precautions:**

Remove persons to safety. Special danger of slipping by leaking/spilling product. Provide adequate ventilation.

**Protective equipment:**

Wear protective gloves/protective clothing/eye protection/face protection.

##### 6.1.2. For emergency responders

**Personal protection equipment:**

Personal protection equipment: see section 8

#### 6.2. Environmental precautions

Do not allow to enter into surface water or drains.

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

**For containment:**

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).

**For cleaning up:**

Wipe up with absorbent material (eg. cloth, fleece). Wash with plenty of water.

**Other information:**

Treat the recovered material as prescribed in the section on waste disposal.

#### 6.4. Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

#### 6.5. Additional information

Use appropriate container to avoid environmental contamination.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

**Protective measures**

**Advices on safe handling:**

Wear personal protection equipment (refer to section 8).

**Fire prevent measures:**

Usual measures for fire prevention. No special measures are necessary.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 29 Mar 2021

Print date: 3 Sep 2021

Version: 1



## TYROLIT DUO 30

### Measures to prevent aerosol and dust generation:

Use only in well-ventilated areas.

### Environmental precautions:

Do not allow to enter into surface water or drains.

### Advices on general occupational hygiene

Wash hands before breaks and after work. Use protective skin cream before handling the product. When using do not eat, drink or smoke. Avoid contact with eyes and skin.

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

#### Technical measures and storage conditions:

Keep container tightly closed in a cool, well-ventilated place.

#### Packaging materials:

Keep/Store only in original container.

#### Requirements for storage rooms and vessels:

The floor should be leak tight, jointless and not absorbent.

#### Hints on storage assembly:

Do not store together with: Food and feedingstuffs

**Storage class (TRGS 510, Germany):** 12 - non-combustible liquids that cannot be assigned to any of the above storage classes

#### Further information on storage conditions:

Protect containers against damage. Keep away from heat.

### 7.3. Specific end use(s)

#### Recommendation:

Observe technical data sheet.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1. Occupational exposure limit values

| Limit value type (country of origin) | Substance name                                               | ① Long-term occupational exposure limit value<br>② short-term occupational exposure limit value<br>③ Instantaneous value<br>④ Monitoring and observation processes<br>⑤ Remark |
|--------------------------------------|--------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| IE                                   | silicon dioxide<br>CAS No.: 112926-00-8<br>EC No.: 231-545-4 | ① 2.4 mg/m <sup>3</sup><br>⑤ (Silicon dioxide, amorphous, respirable fraction)                                                                                                 |
| IE                                   | silicon dioxide<br>CAS No.: 112926-00-8<br>EC No.: 231-545-4 | ① 6 mg/m <sup>3</sup><br>⑤ (Silicon dioxide, amorphous, inhalable fraction)                                                                                                    |

#### 8.1.2. Biological limit values

No data available

#### 8.1.3. DNEL-/PNEC-values

| Substance name                                                          | DNEL value             | ① DNEL type<br>② Exposure route                               |
|-------------------------------------------------------------------------|------------------------|---------------------------------------------------------------|
| Silicic acid, potassium salt<br>CAS No.: 1312-76-1<br>EC No.: 215-199-1 | 1.38 mg/m <sup>3</sup> | ① DNEL Consumer<br>② Long-term - inhalation, systemic effects |
| Silicic acid, potassium salt<br>CAS No.: 1312-76-1<br>EC No.: 215-199-1 | 5.61 mg/kg<br>bw/day   | ① DNEL worker<br>② Long-term - inhalation, local effects      |
| Silicic acid, potassium salt<br>CAS No.: 1312-76-1<br>EC No.: 215-199-1 | 0.74 mg/m <sup>3</sup> | ① DNEL Consumer<br>② Long-term - dermal, systemic effects     |

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 29 Mar 2021

Print date: 3 Sep 2021

Version: 1



## TYROLIT DUO 30

| Substance name                                                             | DNEL value           | ① DNEL type<br>② Exposure route                               |
|----------------------------------------------------------------------------|----------------------|---------------------------------------------------------------|
| Silicic acid, potassium salt<br>CAS No.: 1312-76-1<br>EC No.: 215-199-1    | 1.49 mg/kg<br>bw/day | ① DNEL worker<br>② Long-term - dermal, local effects          |
| Silicic acid, potassium salt<br>CAS No.: 1312-76-1<br>EC No.: 215-199-1    | 0.74 mg/kg<br>bw/day | ① DNEL Consumer<br>② Long-term - oral, systemic effects       |
| potassium methylsilanetriolate<br>CAS No.: 31795-24-1<br>EC No.: 250-807-9 | 47 mg/m <sup>3</sup> | ① DNEL worker<br>② Long-term - inhalation, systemic effects   |
| potassium methylsilanetriolate<br>CAS No.: 31795-24-1<br>EC No.: 250-807-9 | 10 mg/m <sup>3</sup> | ① DNEL Consumer<br>② Long-term - inhalation, systemic effects |
| potassium methylsilanetriolate<br>CAS No.: 31795-24-1<br>EC No.: 250-807-9 | 47 mg/m <sup>3</sup> | ① DNEL worker<br>② Acute - inhalation, systemic effects       |
| potassium methylsilanetriolate<br>CAS No.: 31795-24-1<br>EC No.: 250-807-9 | 10 mg/m <sup>3</sup> | ① DNEL Consumer<br>② Acute - inhalation, systemic effects     |
| potassium methylsilanetriolate<br>CAS No.: 31795-24-1<br>EC No.: 250-807-9 | 6.6 mg/kg<br>bw/day  | ① DNEL worker<br>② Long-term - dermal, systemic effects       |
| potassium methylsilanetriolate<br>CAS No.: 31795-24-1<br>EC No.: 250-807-9 | 4 mg/kg bw/<br>day   | ① DNEL Consumer<br>② Long-term - dermal, systemic effects     |
| potassium methylsilanetriolate<br>CAS No.: 31795-24-1<br>EC No.: 250-807-9 | 6.6 mg/kg<br>bw/day  | ① DNEL worker<br>② Acute - dermal, systemic effects           |
| potassium methylsilanetriolate<br>CAS No.: 31795-24-1<br>EC No.: 250-807-9 | 4 mg/kg bw/<br>day   | ① DNEL Consumer<br>② Acute - dermal, systemic effects         |
| potassium methylsilanetriolate<br>CAS No.: 31795-24-1<br>EC No.: 250-807-9 | 0.42 mg/kg<br>bw/day | ① DNEL Consumer<br>② Long-term - oral, systemic effects       |

| Substance name                                                             | PNEC Value | ① PNEC type                   |
|----------------------------------------------------------------------------|------------|-------------------------------|
| Silicic acid, potassium salt<br>CAS No.: 1312-76-1<br>EC No.: 215-199-1    | 7.5 mg/l   | ① PNEC aquatic, freshwater    |
| potassium methylsilanetriolate<br>CAS No.: 31795-24-1<br>EC No.: 250-807-9 | 4.2 mg/l   | ① PNEC aquatic, freshwater    |
| potassium methylsilanetriolate<br>CAS No.: 31795-24-1<br>EC No.: 250-807-9 | 0.42 mg/l  | ① PNEC aquatic, marine water  |
| potassium methylsilanetriolate<br>CAS No.: 31795-24-1<br>EC No.: 250-807-9 | 10 mg/l    | ① PNEC sewage treatment plant |
| potassium methylsilanetriolate<br>CAS No.: 31795-24-1<br>EC No.: 250-807-9 | 3.3 mg/kg  | ① PNEC sediment, freshwater   |
| potassium methylsilanetriolate<br>CAS No.: 31795-24-1<br>EC No.: 250-807-9 | 0.33 mg/kg | ① PNEC sediment, marine water |
| potassium methylsilanetriolate<br>CAS No.: 31795-24-1<br>EC No.: 250-807-9 | 3.3 mg/kg  | ① PNEC secondary poisoning    |

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 29 Mar 2021

Print date: 3 Sep 2021

Version: 1



## TYROLIT DUO 30

### 8.2. Exposure controls

#### 8.2.1. Appropriate engineering controls

Technical measures to prevent exposure

#### 8.2.2. Personal protection equipment

##### Eye/face protection:

Eye glasses with side protection EN 166

##### Skin protection:

Tested protective gloves must be worn EN ISO 374. Suitable material: Butyl caoutchouc (butyl rubber), Breakthrough time: > 120 min. In the case of wanting to use the gloves again, clean them before taking off and air them well. Breakthrough times and swelling properties of the material must be taken into consideration.

##### Respiratory protection:

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn. Respiratory protection necessary at: aerosol or mist formation. Filtering device (full mask or mouthpiece) with filter: P2

##### Other protection measures:

Do not breathe vapour/aerosol. Avoid contact with eyes and skin. Wear suitable protective clothing and gloves.

#### 8.2.3. Environmental exposure controls

Siehe Abschnitt 7. Es sind keine darüber hinausgehenden Maßnahmen erforderlich.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

#### Appearance

Physical state: Liquid

Colour: colourless

Odour: not determined

#### Safety relevant basis data

| parameter                                    |                        | at °C | Method           | Remark |
|----------------------------------------------|------------------------|-------|------------------|--------|
| pH                                           | ≈ 11                   | 20 °C |                  |        |
| Melting point                                | <i>not determined</i>  |       |                  |        |
| Freezing point                               | <i>not determined</i>  |       |                  |        |
| Initial boiling point and boiling range      | ≈ 100 °C               |       |                  |        |
| Decomposition temperature                    | <i>not determined</i>  |       |                  |        |
| Flash point                                  | <i>not determined</i>  |       |                  |        |
| Evaporation rate                             | <i>not determined</i>  |       |                  |        |
| Auto-ignition temperature                    | <i>not determined</i>  |       |                  |        |
| Upper/lower flammability or explosive limits | <i>not determined</i>  |       |                  |        |
| Vapour pressure                              | <i>not determined</i>  |       |                  |        |
| Vapour density                               | <i>not determined</i>  |       |                  |        |
| Density                                      | 1.13 g/cm <sup>3</sup> | 20 °C | ISO 2811, part 2 |        |
| Relative density                             | <i>not determined</i>  |       |                  |        |
| Bulk density                                 | <i>not determined</i>  |       |                  |        |
| Water solubility                             | completely miscible    | 20 °C |                  |        |
| Partition coefficient: n-octanol/water       | <i>not determined</i>  |       |                  |        |
| Dynamic viscosity                            | <i>not determined</i>  |       |                  |        |
| Kinematic viscosity                          | <i>not determined</i>  |       |                  |        |

### 9.2. Other information

No data available

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 29 Mar 2021

Print date: 3 Sep 2021

Version: 1



## TYROLIT DUO 30

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

No hazardous reaction when handled and stored according to provisions. The product itself does not burn.

#### 10.2. Chemical stability

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

#### 10.3. Possibility of hazardous reactions

Exothermic reaction with: Acid

#### 10.4. Conditions to avoid

See section 7. No additional measures necessary.

#### 10.5. Incompatible materials

Materials to avoid: Acid, Light metals (Formation of: Hydrogen)

#### 10.6. Hazardous decomposition products

No known hazardous decomposition products. In case of fire: Gases/vapours, toxic

### SECTION 11: Toxicological information

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

| Substance name                                                             | Toxicological information                                                                                                                                                                                                                                                                  |
|----------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Silicic acid, potassium salt<br>CAS No.: 1312-76-1<br>EC No.: 215-199-1    | <b>LD<sub>50</sub> oral:</b><br>>2,000 mg/kg (Rat)<br><b>LD<sub>50</sub> dermal:</b><br>>5,000 mg/kg (rat) EPA OPPTS 870.1200 (Acute Dermal Toxicity)<br><b>LC<sub>50</sub> Acute inhalation toxicity (vapour):</b><br>>2.06 mg/l 4 h (rat) EPA OPPTS 870.1300 (Acute inhalation toxicity) |
| potassium methylsilanetriolate<br>CAS No.: 31795-24-1<br>EC No.: 250-807-9 | <b>LD<sub>50</sub> oral:</b><br>>2,000 mg/kg (Rat)                                                                                                                                                                                                                                         |
| lithium hydroxide<br>CAS No.: 1310-66-3                                    | <b>LD<sub>50</sub> oral:</b><br>210 mg/kg (Ratte)<br><b>LD<sub>50</sub> dermal:</b><br>>2,000 mg/kg (rat)<br><b>LC<sub>50</sub> Acute inhalation toxicity (dust/mist):</b><br>>3.4 mg/l 4 h (rat)                                                                                          |

#### Acute oral toxicity:

not determined

#### Acute dermal toxicity:

not determined

#### Acute inhalation toxicity:

not determined

#### Skin corrosion/irritation:

Causes skin irritation.

#### Serious eye damage/irritation:

Causes serious eye irritation.

#### Respiratory or skin sensitisation:

not determined

#### Germ cell mutagenicity:

not determined

#### Carcinogenicity:

not determined

#### Reproductive toxicity:

not determined

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 29 Mar 2021

Print date: 3 Sep 2021

Version: 1



## TYROLIT DUO 30

### STOT-single exposure:

not determined

### STOT-repeated exposure:

not determined

### Aspiration hazard:

not determined

### 11.2. Information on other hazards

No data available

## SECTION 12: Ecological information

### 12.1. Toxicity

| Substance name                                                             | Toxicological information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|----------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Silicic acid, potassium salt<br>CAS No.: 1312-76-1<br>EC No.: 215-199-1    | <b>EC<sub>50</sub></b> : >146 mg/l (Daphnia pulex (water flea))<br><b>LC<sub>50</sub></b> : >146 mg/l 2 d (Leuciscus idus (golden orfe))<br><b>LC<sub>50</sub></b> : >146 mg/l 2 d (fish, Leuciscus idus) DIN 38412, Teil 15 (Golden orfe, acute toxicity test). The German standard method for the examination of water, waste water and sludge; bioassays (group L); determination of the effect of substances in water on fish-fish test which corresponds to OECD 203<br><b>EC<sub>50</sub></b> : 207 mg/l 3 d (Algae/water plant, Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)) DIN 38412, Teil 9 (Algal growth inhibition test), German National Guideline; the method conforms with OECD 201 |
| potassium methylsilanetriolate<br>CAS No.: 31795-24-1<br>EC No.: 250-807-9 | <b>LC<sub>50</sub></b> : >500 mg/l 4 d (Danio rerio (zebrafish)) OECD 203<br><b>EC<sub>50</sub></b> : >100 mg/l 2 d (Daphnia magna (Big water flea)) OECD 202<br><b>EC<sub>50</sub></b> : >120 mg/l 3 d (Pseudokirchneriella subcapitata) OECD 201                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

### 12.2. Persistence and degradability

| Substance name                                                             | Biodegradation | Remark |
|----------------------------------------------------------------------------|----------------|--------|
| potassium methylsilanetriolate<br>CAS No.: 31795-24-1<br>EC No.: 250-807-9 | Yes, slowly    |        |

### 12.3. Bioaccumulative potential

| Substance name                                                             | Log K <sub>OW</sub> | Bioconcentration factor (BCF) |
|----------------------------------------------------------------------------|---------------------|-------------------------------|
| potassium methylsilanetriolate<br>CAS No.: 31795-24-1<br>EC No.: 250-807-9 | 2.7                 |                               |

### 12.4. Mobility in soil

No data available

### 12.5. Results of PBT and vPvB assessment

| Substance name                                                             | Results of PBT and vPvB assessment                                       |
|----------------------------------------------------------------------------|--------------------------------------------------------------------------|
| Silicic acid, potassium salt<br>CAS No.: 1312-76-1<br>EC No.: 215-199-1    | —                                                                        |
| potassium methylsilanetriolate<br>CAS No.: 31795-24-1<br>EC No.: 250-807-9 | This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII. |

### 12.6. Endocrine disrupting properties

No data available



# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 29 Mar 2021

Print date: 3 Sep 2021

Version: 1



## TYROLIT DUO 30

### 12.7. Other adverse effects

No data available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### 13.1.1. Product/Packaging disposal

Waste codes/waste designations according to EWC/AVV

##### Waste code product:

06 02 05 \* other bases

\*: Evidence for disposal must be provided.

##### Waste code packaging:

15 01 10 \* packaging containing residues of or contaminated by dangerous substances

\*: Evidence for disposal must be provided.

### Waste treatment options

#### Appropriate disposal / Product:

Entsorgung gemäß den behördlichen Vorschriften. Wegen einer Abfallentsorgung den zuständigen zugelassenen Entsorger ansprechen.

#### Appropriate disposal / Package:

Completely emptied packages can be recycled.

## SECTION 14: Transport information

No dangerous good in sense of these transport regulations.

| Land transport (ADR/RID)                                   | Inland waterway craft (ADN)                                | Sea transport (IMDG)                                       | Air transport (ICAO-TI / IATA-DGR)                         |
|------------------------------------------------------------|------------------------------------------------------------|------------------------------------------------------------|------------------------------------------------------------|
| <b>14.1. UN number or ID number</b>                        |                                                            |                                                            |                                                            |
| No dangerous good in sense of these transport regulations. | No dangerous good in sense of these transport regulations. | No dangerous good in sense of these transport regulations. | No dangerous good in sense of these transport regulations. |
| <b>14.2. UN proper shipping name</b>                       |                                                            |                                                            |                                                            |
| No dangerous good in sense of these transport regulations. | No dangerous good in sense of these transport regulations. | No dangerous good in sense of these transport regulations. | No dangerous good in sense of these transport regulations. |
| <b>14.3. Transport hazard class(es)</b>                    |                                                            |                                                            |                                                            |
| not relevant                                               |                                                            |                                                            |                                                            |
| <b>14.4. Packing group</b>                                 |                                                            |                                                            |                                                            |
| not relevant                                               |                                                            |                                                            |                                                            |
| <b>14.5. Environmental hazards</b>                         |                                                            |                                                            |                                                            |
| not relevant                                               |                                                            |                                                            |                                                            |
| <b>14.6. Special precautions for user</b>                  |                                                            |                                                            |                                                            |
| not relevant                                               |                                                            |                                                            |                                                            |

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

not relevant

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 29 Mar 2021

Print date: 3 Sep 2021

Version: 1



## TYROLIT DUO 30

### SECTION 15: Regulatory information

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

##### 15.1.1. EU legislation

###### Other regulations (EU):

2008/98/EC, 2001/118/EC, 1999/13/EC, 2004/42/EC, (EC) No. 1907/2006, (EU) 2015/830, 75/324/EEC, 2008/47/EC, (EC) No. 1272/2008, 2008/68/EC, (EC) No. 648/2004

This product meets the requirements of Regulation (EC) No. 1935/2004 on the limitation of VOC content. Information on Directive 1999/13 / EC on the limitation of emissions of volatile organic compounds (VOC-RL): VOC (in g / L): 0

VOC EU Limit (2004/42/EG) (cat. IIA/h): 30 g/L, VOC-value 0 g/L

This product meets the requirements of Regulation (EC) No. 1935/2004 on the limitation of VOC content.

##### 15.1.2. National regulations

No data available

#### 15.2. Chemical Safety Assessment

No data available

### SECTION 16: Other information

#### 16.1. Indication of changes

No data available

#### 16.2. Abbreviations and acronyms

See overview table at [www.euphrac.eu](http://www.euphrac.eu)

#### 16.3. Key literature references and sources for data

No data available

| Substance name                                                          | Type                                                                                                                    | source of supply                                                                                  |
|-------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| Silicic acid, potassium salt<br>CAS No.: 1312-76-1<br>EC No.: 215-199-1 | LD <sub>50</sub> dermal; LC <sub>50</sub> Acute<br>inhalation toxicity (vapour);<br>LC <sub>50</sub> ; EC <sub>50</sub> | Source: European Chemicals Agency,<br><a href="http://echa.europa.eu/">http://echa.europa.eu/</a> |
| lithium hydroxide<br>CAS No.: 1310-66-3                                 | LD <sub>50</sub> dermal; LC <sub>50</sub> Acute<br>inhalation toxicity (dust/mist)                                      | Source: European Chemicals Agency,<br><a href="http://echa.europa.eu/">http://echa.europa.eu/</a> |

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

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

| Hazard classes and hazard categories                      | Hazard statements                    | Classification procedure |
|-----------------------------------------------------------|--------------------------------------|--------------------------|
| Skin corrosion/irritation ( <i>Skin Irrit. 2</i> )        | H315: Causes skin irritation.        |                          |
| Serious eye damage/eye irritation ( <i>Eye Irrit. 2</i> ) | H319: Causes serious eye irritation. |                          |

#### 16.5. Relevant R-, H- and EUH-phrases (Number and full text)

| Hazard statements |                                          |
|-------------------|------------------------------------------|
| H302              | Harmful if swallowed.                    |
| H314              | Causes severe skin burns and eye damage. |
| H315              | Causes skin irritation.                  |
| H318              | Causes serious eye damage.               |
| H319              | Causes serious eye irritation.           |
| H335              | May cause respiratory irritation.        |

#### 16.6. Training advice

No data available

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

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## TYROLIT DUO 30

### 16.7. Additional information

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