

# SAFETY DATA SHEET

according to REACH Regulation UK SI 2019/758, as amended, and UK SI 2020/1577

Revision date: 30 Mar 2021

Print date: 3 Sep 2021

Version: 1



## TYROLIT PREMIUM Sealer 400

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

#### 1.1. Product identifier

Trade name/designation:

**TYROLIT PREMIUM Sealer 400**

UFI:

SD10-80TP-R005-EHM1

#### 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

Website: www.tyrolit.com

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

In case of problematic exposure the enquirer should call NHS 111 or a doctor

#### 1.4. Emergency telephone number

Environmental Department (available from 9 a.m. – 5 p.m.), +43 664 8292 740 (Only available during office hours.)

### SECTION 2: Hazards identification

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

Classification according to GB-CLP Regulation, UK SI 2019/720 and UK SI 2020/1567:

Hazard classes and hazard categories	Hazard statements	Classification procedure
flammable liquids ( <i>Flam. Liq. 2</i> )	H225: Highly flammable liquid and vapour.	
Serious eye damage/eye irritation ( <i>Eye Irrit. 2</i> )	H319: Causes serious eye irritation.	

#### 2.2. Label elements

Labelling according to GB-CLP Regulation, UK SI 2019/720 and UK SI 2020/1567

Hazard pictograms:



**GHS02**  
Flame



**GHS07**  
Exclamation mark

Signal word: Danger

Hazard components for labelling:

toluene; methanol; trimethoxy(methyl)silane

#### Hazard statements for physical hazards

H225 Highly flammable liquid and vapour.

#### hazard statements for health hazards

H319 Causes serious eye irritation.

Supplemental hazard information: -

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### Precautionary statements Prevention

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P243	Take action to prevent static discharges.
P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

### 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.
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### 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 Classification according to GB-CLP Regulation, UK SI 2019/720 and UK SI 2020/1567	Concentration
<b>CAS No.:</b> 64-17-5 <b>EC No.:</b> 200-578-6 <b>REACH No.:</b> 01-2119457610-43-XXXX	<b>ethanol</b> Eye Irrit. 2 (H319), Flam. Liq. 2 (H225) <b>Danger</b>	< 70 weight-%
<b>CAS No.:</b> 1185-55-3 <b>EC No.:</b> 214-685-0	<b>trimethoxy(methyl)silane</b> Acute Tox. 4 (H302), Flam. Liq. 2 (H225) <b>Danger</b>	< 10 weight-%
<b>CAS No.:</b> 2943-75-1 <b>EC No.:</b> 220-941-2 <b>REACH No.:</b> 01-2119972313-39-0001	<b>triethoxyoctylsilane</b> Skin Irrit. 2 (H315) <b>Warning</b>	< 5 weight-%
<b>CAS No.:</b> 67-56-1 <b>EC No.:</b> 200-659-6	<b>methanol</b> Acute Tox. 3 (H331, H311, H301), Flam. Liq. 2 (H225), STOT SE 1 (H370**) <b>Danger</b> <b>Specific concentration limit (SCL)</b> STOT SE 1; H370: C ≥ 10% STOT SE 2; H371: 3% ≤ C < 10%	< 1 weight-%
<b>CAS No.:</b> 108-88-3 <b>EC No.:</b> 203-625-9	<b>toluene</b> Asp. Tox. 1 (H304), Flam. Liq. 2 (H225), Repr. 2 (H361d***), STOT RE 2 (H373**), STOT SE 3 (H336), Skin Irrit. 2 (H315) <b>Danger</b>	< 1 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.

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### 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

Serious eye damage/eye irritation

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

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media:

Foam, Water spray

#### Unsuitable extinguishing media:

Full water jet

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

Vapours are heavier than air, spread along floors and form explosive mixtures with air.

Pyrolysis products, toxic

#### Hazardous combustion products:

Nitrogen oxides (NO<sub>x</sub>), 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. Remove all sources of ignition.

##### 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). The contaminated area should be cleaned up immediately with: Solvent

#### Other information:

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

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### 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). Provide adequate ventilation. Vapours are heavier than air, spread along floors and form explosive mixtures with air.

##### Fire prevent measures:

Usual measures for fire prevention.

##### 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, Oxidising agent

#### Storage class (TRGS 510, Germany): 3 - Flammable liquids

#### Further information on storage conditions:

Protect containers against damage. Keep away from heat.

### 7.3. Specific end use(s)

#### Recommendation:

Observe technical data sheet.

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### 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 ② short-term occupational exposure limit value ③ Instantaneous value ④ Monitoring and observation processes ⑤ Remark
WEL (GB)	ethanol CAS No.: 64-17-5 EC No.: 200-578-6	① 1,000 ppm (1,920 mg/m <sup>3</sup> )
IOELV (EU)	methanol CAS No.: 67-56-1 EC No.: 200-659-6	① 200 ppm (260 mg/m <sup>3</sup> ) ⑤ (may be absorbed through the skin)
WEL (GB)	methanol CAS No.: 67-56-1 EC No.: 200-659-6	① 200 ppm (266 mg/m <sup>3</sup> ) ② 250 ppm (333 mg/m <sup>3</sup> ) ⑤ (may be absorbed through the skin)
IOELV (EU)	toluene CAS No.: 108-88-3 EC No.: 203-625-9	① 50 ppm (192 mg/m <sup>3</sup> ) ② 100 ppm (384 mg/m <sup>3</sup> ) ⑤ (may be absorbed through the skin)
WEL (GB)	toluene CAS No.: 108-88-3 EC No.: 203-625-9	① 50 ppm (191 mg/m <sup>3</sup> ) ② 100 ppm (384 mg/m <sup>3</sup> ) ⑤ (may be absorbed through the skin)

##### 8.1.2. Biological limit values

No data available

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

Substance name	DNEL value	① DNEL type ② Exposure route
ethanol CAS No.: 64-17-5 EC No.: 200-578-6	950 mg/m <sup>3</sup>	① DNEL worker ② Long-term - inhalation, systemic effects
ethanol CAS No.: 64-17-5 EC No.: 200-578-6	114 mg/m <sup>3</sup>	① DNEL Consumer ② Long-term - inhalation, systemic effects
ethanol CAS No.: 64-17-5 EC No.: 200-578-6	1,900 mg/m <sup>3</sup>	① DNEL worker ② Acute - inhalation, local effects
ethanol CAS No.: 64-17-5 EC No.: 200-578-6	950 mg/m <sup>3</sup>	① DNEL Consumer ② Acute - inhalation, local effects
ethanol CAS No.: 64-17-5 EC No.: 200-578-6	343 mg/kg bw/day	① DNEL worker ② Long-term - dermal, systemic effects
ethanol CAS No.: 64-17-5 EC No.: 200-578-6	206 mg/kg bw/day	① DNEL Consumer ② Long-term - dermal, systemic effects
ethanol CAS No.: 64-17-5 EC No.: 200-578-6	87 mg/kg bw/day	① DNEL Consumer ② Long-term - oral, systemic effects

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Substance name	PNEC Value	① PNEC type
ethanol CAS No.: 64-17-5 EC No.: 200-578-6	0.96 mg/l	① PNEC aquatic, freshwater
ethanol CAS No.: 64-17-5 EC No.: 200-578-6	0.79 mg/l	① PNEC aquatic, marine water
ethanol CAS No.: 64-17-5 EC No.: 200-578-6	580 mg/l	① PNEC sewage treatment plant
ethanol CAS No.: 64-17-5 EC No.: 200-578-6	3.6 mg/kg	① PNEC sediment, freshwater
ethanol CAS No.: 64-17-5 EC No.: 200-578-6	2.9 mg/kg	① PNEC sediment, marine water
ethanol CAS No.: 64-17-5 EC No.: 200-578-6	2.75 mg/l	① PNEC air
ethanol CAS No.: 64-17-5 EC No.: 200-578-6	0.72 mg/kg	① PNEC secondary poisoning
ethanol CAS No.: 64-17-5 EC No.: 200-578-6	0.63 mg/kg	① PNEC soil, freshwater

## 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: > 480 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: A-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

See section 7. No additional measures necessary.

## 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	<i>not determined</i>			
Melting point	<i>not determined</i>			
Freezing point	<i>not determined</i>			

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parameter		at °C	Method	Remark
Initial boiling point and boiling range	≈ 75 °C			
Decomposition temperature	<i>not determined</i>			
Flash point	12 °C		DIN EN ISO 2719	
Evaporation rate	<i>not determined</i>			
Auto-ignition temperature	≈ 425 °C			
Upper/lower flammability or explosive limits	3.5 - 15 Vol-%			Ethanol
Vapour pressure	<i>not determined</i>			
Vapour density	<i>not determined</i>			
Density	0.88 g/cm <sup>3</sup>	20 °C	DIN EN ISO 2811-2	
Relative density	<i>not determined</i>			
Bulk density	<i>not determined</i>			
Water solubility	partially 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

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No hazardous reaction when handled and stored according to provisions. Highly flammable liquid and vapour.

### 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: Oxidising agent. In use, may form flammable/explosive vapour-air mixture.

### 10.4. Conditions to avoid

See section 7. No additional measures necessary.

### 10.5. Incompatible materials

Materials to avoid: Oxidising agent

### 10.6. Hazardous decomposition products

Gases/vapours, flammable; Formation of: Methanol

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### SECTION 11: Toxicological information

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

Substance name	Toxicological information
ethanol CAS No.: 64-17-5 EC No.: 200-578-6	<b>LD<sub>50</sub> oral:</b> >2,000 mg/kg (Rat) OECD 401 <b>LC<sub>50</sub> Acute inhalation toxicity (vapour):</b> >20 mg/l (Rat) <b>LD<sub>50</sub> dermal:</b> >2,000 mg/kg (Rabbit) OECD 402
trimethoxy(methyl)silane CAS No.: 1185-55-3 EC No.: 214-685-0	<b>LD<sub>50</sub> oral:</b> >11,685 mg/kg (Rat) <b>LD<sub>50</sub> dermal:</b> >9,500 mg/kg (Rat) <b>LC<sub>50</sub> Acute inhalation toxicity (vapour):</b> >42.1 mg/l (Rat)
triethoxyoctylsilane CAS No.: 2943-75-1 EC No.: 220-941-2	<b>LD<sub>50</sub> oral:</b> >5,110 mg/kg (Rat) OECD 401 <b>LC<sub>50</sub> Acute inhalation toxicity (vapour):</b> 22 mg/l 4 h (Rat) OECD 403 <b>LD<sub>50</sub> dermal:</b> 6,730 mg/kg (Rabbit) OECD 402
butanone CAS No.: 78-93-3 EC No.: 201-159-0	<b>LD<sub>50</sub> oral:</b> 2,054 mg/kg (rat) OECD Guideline 423 (Acute Oral toxicity - Acute Toxic Class Method)
methanol CAS No.: 67-56-1 EC No.: 200-659-6	<b>LD<sub>50</sub> oral:</b> >1,187 - 2,769 mg/kg (rat) <b>LC<sub>50</sub> Acute inhalation toxicity (vapour):</b> 82.1 mg/l 6 h (rat)
toluene CAS No.: 108-88-3 EC No.: 203-625-9	<b>LD<sub>50</sub> oral:</b> 636 mg/kg (Rat) <b>LD<sub>50</sub> dermal:</b> 12,200 mg/kg (Rabbit) <b>LC<sub>50</sub> Acute inhalation toxicity (vapour):</b> 25.7 mg/l 4 h (rat) OECD Guideline 403 (Acute Inhalation Toxicity)

**Acute oral toxicity:**

not determined

**Acute dermal toxicity:**

not determined

**Acute inhalation toxicity:**

not determined

**Skin corrosion/irritation:**

not determined

**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



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**STOT-single exposure:**

not determined

**STOT-repeated exposure:**

not determined

**Aspiration hazard:**

not determined

**11.2. Information on other hazards**

No data available

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### SECTION 12: Ecological information

#### 12.1. Toxicity

Substance name	Toxicological information
ethanol CAS No.: 64-17-5 EC No.: 200-578-6	<p><b>LC<sub>50</sub></b>: 15,300 mg/l 4 d (fish, Pimephales promelas (fath ead minnow))</p> <p><b>LC<sub>50</sub></b>: 11,200 mg/l (fish, Salmo gairdneri)</p> <p><b>EC<sub>50</sub></b>: 858 mg/l (Artemia salina) OECD 202</p> <p><b>EC<sub>50</sub></b>: &gt;10,000 mg/l 2 d (Daphnia magna (Big water flea))</p> <p><b>LC<sub>50</sub></b>: 5,012 mg/l 2 d (Ceriodaphnia dubia)</p> <p><b>EC<sub>50</sub></b>: 275 mg/l 3 d (Algae/water plant, Chlorella vulgaris) OECD 201</p> <p><b>EC<sub>50</sub></b>: 5,800 mg/l (Paramecium caudatum)</p> <p><b>LC<sub>50</sub></b>: 14,200 mg/l 4 d (fish, Pimephales promelas) US EPA method E03-05</p> <p><b>LC<sub>50</sub></b>: 5,012 mg/l 2 d (crustaceans, Ceriodaphnia dubia) ASTM E729-80</p> <p><b>EC<sub>50</sub></b>: 275 mg/l 3 d (Algae/water plant, Chlorella vulgaris) OECD Guideline 201 (Alga, Growth Inhibition Test)</p> <p><b>EC<sub>50</sub></b>: 675 mg/l 4 d (Algae/water plant, Chlorella vulgaris) OECD Guideline 201 (Alga, Growth Inhibition Test)</p> <p><b>EC<sub>50</sub></b>: 12,900 mg/l 4 d (fish, Pimephales promelas) US EPA method E03-05</p> <p><b>NOEC</b>: 2 mg/l 10 d (crustaceans, Ceriodaphnia dubia)</p>
trimethoxy(methyl)silane CAS No.: 1185-55-3 EC No.: 214-685-0	<p><b>LC<sub>50</sub></b>: &gt;110 mg/l 4 d (fish, Oncorhynchus mykiss (previous name: Salmo gairdneri)) OECD Guideline 203 (Fish, Acute Toxicity Test)</p> <p><b>EC<sub>50</sub></b>: &gt;3.6 mg/l 3 d (Algae/water plant, Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)) OECD Guideline 201 (Alga, Growth Inhibition Test)</p> <p><b>EC<sub>50</sub></b>: &gt;122 mg/l 2 d (crustaceans, Daphnia magna) OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)</p> <p><b>NOEC</b>: ≥3.6 mg/l 3 d (Algae/water plant, Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)) OECD Guideline 201 (Alga, Growth Inhibition Test)</p> <p><b>NOEC</b>: ≥110 mg/l 4 d (fish, Oncorhynchus mykiss (previous name: Salmo gairdneri)) OECD Guideline 203 (Fish, Acute Toxicity Test)</p> <p><b>NOEC</b>: ≥122 mg/l 2 d (crustaceans, Daphnia magna) OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)</p> <p><b>NOEC</b>: ≥10 mg/l 21 d (crustaceans, Daphnia magna) OECD Guideline 211 (Daphnia magna Reproduction Test)</p>
triethoxyoctylsilane CAS No.: 2943-75-1 EC No.: 220-941-2	<p><b>EC<sub>50</sub></b>: &gt;1,000 mg/l (Activated sludge) OECD 209</p> <p><b>NOEC</b>: ≥1,000 mg/l (Activated sludge) OECD 209</p> <p><b>LC<sub>50</sub></b>: &gt;0.055 mg/l 4 d (fish, Oncorhynchus mykiss (previous name: Salmo gairdneri)) OECD Guideline 203 (Fish, Acute Toxicity Test)</p> <p><b>EC<sub>50</sub></b>: &gt;0.13 mg/l 3 d (Algae/water plant, Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)) OECD Guideline 201 (Alga, Growth Inhibition Test)</p> <p><b>EC<sub>50</sub></b>: &gt;0.049 mg/l 2 d (crustaceans, Daphnia magna) OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)</p> <p><b>NOEC</b>: ≥0.13 mg/l 3 d (Algae/water plant, Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)) OECD Guideline 201 (Alga, Growth Inhibition Test)</p>

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Substance name	Toxicological information
methanol CAS No.: 67-56-1 EC No.: 200-659-6	<b>LC<sub>50</sub></b> : 15,400 mg/l 4 d (fish, <i>Lepomis macrochirus</i> ) EPA-660/3-75-009, 1975 <b>EC<sub>50</sub></b> : 22,000 mg/l 4 d (Algae/water plant, <i>Pseudokirchneriella subcapitata</i> (previous names: <i>Raphidocelis subcapitata</i> , <i>Selenastrum capricornutum</i> )) <b>EC<sub>50</sub></b> : 12,700 mg/l 4 d (fish, <i>Lepomis macrochirus</i> ) EPA-660/3-75-009, 1975 <b>EC<sub>50</sub></b> : 18,260 mg/l 4 d (crustaceans, <i>Daphnia magna</i> ) OECD Guideline 202 ( <i>Daphnia</i> sp. Acute Immobilisation Test)

### 12.2. Persistence and degradability

Substance name	Biodegradation	Remark
ethanol CAS No.: 64-17-5 EC No.: 200-578-6	Yes, rapidly	
triethoxyoctylsilane CAS No.: 2943-75-1 EC No.: 220-941-2	Yes, slowly	
methanol CAS No.: 67-56-1 EC No.: 200-659-6	Yes, rapidly	

### 12.3. Bioaccumulative potential

Substance name	Log K <sub>ow</sub>	Bioconcentration factor (BCF)
ethanol CAS No.: 64-17-5 EC No.: 200-578-6	-0.3	0.66
trimethoxy(methyl)silane CAS No.: 1185-55-3 EC No.: 214-685-0	2.4	
triethoxyoctylsilane CAS No.: 2943-75-1 EC No.: 220-941-2	6.41	1,980 Species: <i>Cyprinus carpio</i>
methanol CAS No.: 67-56-1 EC No.: 200-659-6	-0.77	< 10 Species: <i>Leuciscus idus melanotus</i>

#### Accumulation / Evaluation:

No indication of bioaccumulation potential.

### 12.4. Mobility in soil

No data available

### 12.5. Results of PBT and vPvB assessment

Substance name	Results of PBT and vPvB assessment
ethanol CAS No.: 64-17-5 EC No.: 200-578-6	—
trimethoxy(methyl)silane CAS No.: 1185-55-3 EC No.: 214-685-0	—
triethoxyoctylsilane CAS No.: 2943-75-1 EC No.: 220-941-2	This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.
methanol CAS No.: 67-56-1 EC No.: 200-659-6	—

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

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according to REACH Regulation UK SI 2019/758, as amended, and UK SI 2020/1577

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## TYROLIT PREMIUM Sealer 400

### 12.6. Endocrine disrupting properties

No data available

### 12.7. Other adverse effects

The evaluation was carried out according to the calculation method. Toxicological data are not available.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

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

#### 13.1.1. Product/Packaging disposal

Waste codes/waste designations according to EWC/AVV

##### Waste code product:

08 01 11 *	Waste paint and varnish containing organic solvents or other dangerous substances
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\*: Evidence for disposal must be provided.

##### Waste code packaging:

15 01 10 *	packaging containing residues of or contaminated by dangerous substances
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\*: Evidence for disposal must be provided.

### Waste treatment options





#### Appropriate disposal / Product:

Dispose of waste according to applicable legislation. Consult the appropriate local waste disposal expert about waste disposal.

#### Appropriate disposal / Package:

Completely emptied packages can be recycled.

## SECTION 14: Transport information

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>			
UN 1170	UN 1170	UN 1170	UN 1170
<b>14.2. UN proper shipping name</b>			
ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)	ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)	ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)	ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)
<b>14.3. Transport hazard class(es)</b>			
 3	 3	 3	 3
<b>14.4. Packing group</b>			
II	II	II	II
<b>14.5. Environmental hazards</b>			
No	No	No	No

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Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
<b>14.6. Special precautions for user</b>			
<b>Special provisions:</b> 144   601 <b>Limited quantity (LQ):</b> 1 L <b>Excepted Quantities (EQ):</b> E2 <b>Hazard identification number (Kemler No.):</b> 33 <b>Classification code:</b> F1 <b>tunnel restriction code:</b> (D/E) <b>Remark:</b>	<b>Special provisions:</b> 144   601 <b>Limited quantity (LQ):</b> 1 L <b>Excepted Quantities (EQ):</b> E2 <b>Classification code:</b> F1 <b>Remark:</b>	<b>Special provisions:</b> 144 <b>Limited quantity (LQ):</b> 1 L <b>Excepted Quantities (EQ):</b> E2 <b>EmS-No.:</b> F-E, S-D <b>Remark:</b>	<b>Special provisions:</b> A3   A58   A180 <b>Limited quantity (LQ):</b> Y341 <b>Excepted Quantities (EQ):</b> E2 <b>Remark:</b>

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

not determined

#### Additional information:

Emergency telephone number Airfreight:

24 h Emergency telephone number (Germany): 0049 (0) 70024112112 (OBA)

24 h Emergency telephone number (USA): 011 49 (0) 70024112112 (contact Id.: OBA)

## 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

Information on Directive 1999/13 / EC on the limitation of emissions of volatile organic compounds (VOC-RL): VOC (in g / L): 612

VOC EU Limit (2004/42/EG) (cat. IIA/h): 750 g/L, VOC-value 534

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

not applicable

## 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

Substance name	Type	source of supply
ethanol CAS No.: 64-17-5 EC No.: 200-578-6	LC <sub>50</sub> ; EC <sub>50</sub> ; NOEC	Source: European Chemicals Agency, <a href="http://echa.europa.eu/">http://echa.europa.eu/</a>
trimethoxy(methyl)silane CAS No.: 1185-55-3	LC <sub>50</sub> ; EC <sub>50</sub> ; NOEC	Source: European Chemicals Agency, <a href="http://echa.europa.eu/">http://echa.europa.eu/</a>

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Substance name	Type	source of supply
EC No.: 214-685-0		
triethoxyoctylsilane CAS No.: 2943-75-1 EC No.: 220-941-2	LC <sub>50</sub> ; EC <sub>50</sub> ; NOEC; LOEC	Source: European Chemicals Agency, <a href="http://echa.europa.eu/">http://echa.europa.eu/</a>
butanone CAS No.: 78-93-3 EC No.: 201-159-0	LD <sub>50</sub> oral	Source: European Chemicals Agency, <a href="http://echa.europa.eu/">http://echa.europa.eu/</a>
methanol CAS No.: 67-56-1 EC No.: 200-659-6	LD <sub>50</sub> oral; LC <sub>50</sub> Acute inhalation toxicity (vapour); LC <sub>50</sub> ; EC <sub>50</sub>	Source: European Chemicals Agency, <a href="http://echa.europa.eu/">http://echa.europa.eu/</a>
toluene CAS No.: 108-88-3 EC No.: 203-625-9	LC <sub>50</sub> Acute inhalation toxicity (vapour)	Source: European Chemicals Agency, <a href="http://echa.europa.eu/">http://echa.europa.eu/</a>

### 16.4. Classification for mixtures and used evaluation method according to GB-CLP Regulation, UK SI 2019/720 and UK SI 2020/1567

Classification according to GB-CLP Regulation, UK SI 2019/720 and UK SI 2020/1567:

Hazard classes and hazard categories	Hazard statements	Classification procedure
flammable liquids ( <i>Flam. Liq. 2</i> )	H225: Highly flammable liquid and vapour.	
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	
H225	Highly flammable liquid and vapour.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H311	Toxic in contact with skin.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H336	May cause drowsiness or dizziness.
H361d	Suspected of damaging the unborn child.
H370	Causes damage to organs. (...)
H371	May cause damage to organs. (...)
H373	May cause damage to organs through prolonged or repeated exposure. (...)

### 16.6. Training advice

No data available

### 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.