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# **TYROLIT Premium Sealer WB**

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

# 1.1. Product identifier

# Trade name/designation:

# **TYROLIT Premium Sealer WB**

**1.2. Relevant identified uses of the substance or mixture and uses advised against** No data available

# 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** The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

#### 2.2. Label elements

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

According to EC directives or the corresponding national regulations the product does not have to be labelled.

# Supplemental hazard information: none

Precautionary statements Prevention		
P260	Do not breathe dust/fume/gas/mist/vapours/spray.	
P280	Wear protective gloves/protective clothing and eye/face protection.	

# 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
CAS No.: 2943-75-1 EC No.: 220-941-2 REACH No.: 01-2119972313-39-0001	triethoxyoctylsilane Skin Irrit. 2 (H315) () Warning	0 - ≤ 2 weight-%
CAS No.: 1185-55-3 EC No.: 214-685-0	trimethoxy(methyl)silane Acute Tox. 4 (H302), Flam. Liq. 2 (H225)	0 - < 1.5 weight-%

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Product identifiers	Substance name Classification according to GB-CLP Regulation, UK SI 2019/720 and UK SI 2020/1567	Concentration
CAS No.: 64-19-7 EC No.: 200-580-7 Index No.: 607-002-00-6	acetic acid Flam. Liq. 3 (H226), Skin Corr. 1A (H314) → → Danger Specific concentration limit (SCL) Skin Corr. 1A; H314: $C \ge 90\%$ Skin Corr. 1B; H314: 25% $\le C < 90\%$ Skin Irrit. 2; H315: 10% $\le C < 25\%$ Eye Dam. 1; H318: $C \ge 25\%$ Eye Irrit. 2; H319: 10% $\le C < 25\%$	0 - < 1 weight-%
CAS No.: 64-18-6 EC No.: 200-579-1 Index No.: 607-001-00-0	formic acid Skin Corr. 1A (H314) Specific concentration limit (SCL) Skin Corr. 1A; H314: C ≥ 90% Skin Corr. 1B; H314: 10% ≤ C < 90% Skin Irrit. 2; H315: 2% ≤ C < 10% Eye Dam. 1; H318: C ≥ 10% Eye Irrit. 2; H319: 2% ≤ C < 10%	0 - < 1 weight-%

# 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 skin contact:

After contact with skin, wash immediately with plenty of water and soap.

# Following ingestion:

Rinse mouth. Let 1 glass of water be drunken in little sips (dilution effect). Get medical advice/attention if you feel unwell.

#### **4.2. Most important symptoms and effects, both acute and delayed** No data available

# **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:

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
- The product itself does not burn.

#### Hazardous combustion products:

In case of fire: Gases/vapours, toxic

#### **5.3. Advice for firefighters**

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

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# 5.4. Additional information

Dispose of waste according to applicable legislation. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

# SECTION 6: Accidental release measures

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

# 6.1.1. For non-emergency personnel

## **Personal precautions:**

Special danger of slipping by leaking/spilling product. Provide adequate ventilation. Remove persons to safety. Avoid breathing dust/fume/gas/mist/vapours/spray.

#### **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

Prevent spread over a wide area (e.g. by containment or oil barriers). 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.

#### 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.

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#### 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)

No data available

# **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	<ol> <li>Long-term occupational exposure limit value</li> <li>Short-term occupational exposure limit value</li> <li>Instantaneous value</li> <li>Monitoring and observation processes</li> <li>Remark</li> </ol>
IOELV (EU) from 21 Feb 2017	acetic acid CAS No.: 64-19-7 EC No.: 200-580-7	<ol> <li>10 ppm (25 mg/m<sup>3</sup>)</li> <li>20 ppm (50 mg/m<sup>3</sup>)</li> </ol>
WEL (GB) from 21 Aug 2018	acetic acid CAS No.: 64-19-7 EC No.: 200-580-7	<ol> <li>10 ppm (25 mg/m<sup>3</sup>)</li> <li>20 ppm (50 mg/m<sup>3</sup>)</li> </ol>
IOELV (EU)	formic acid CAS No.: 64-18-6 EC No.: 200-579-1	<ol> <li>5 ppm (9 mg/m<sup>3</sup>)</li> </ol>
WEL (GB)	formic acid CAS No.: 64-18-6 EC No.: 200-579-1	<ol> <li>5 ppm (9.6 mg/m<sup>3</sup>)</li> </ol>
IOELV (EU)	<b>methanol</b> CAS No.: 67-56-1 EC No.: 200-659-6	<ol> <li>200 ppm (260 mg/m<sup>3</sup>)</li> <li>(may be absorbed through the skin)</li> </ol>
WEL (GB)	<b>methanol</b> CAS No.: 67-56-1 EC No.: 200-659-6	<ol> <li>200 ppm (266 mg/m<sup>3</sup>)</li> <li>250 ppm (333 mg/m<sup>3</sup>)</li> <li>(may be absorbed through the skin)</li> </ol>

# 8.1.2. Biological limit values

No data available

# 8.1.3. DNEL-/PNEC-values

No data available

## 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: A-P2

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# Other protection measures:

Wear suitable protective clothing.

#### 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

Odour: charakteristisch

#### Safety relevant basis data

Parameter	Value	at °C	① Method
			② Remark
рН	4.5	20 °C	
Melting point	not determined		
Freezing point	not determined		
Initial boiling point and boiling range	≈ 100 °C		
Decomposition temperature	not determined		
Flash point	not determined		
Evaporation rate	not determined		
Auto-ignition temperature	not determined		
Upper/lower flammability or explosive limits	not determined		
Vapour pressure	not determined		
Vapour density	not determined		
Density	1 g/cm³	20 °C	
Relative density	not determined		
Bulk density	not determined		
Water solubility	completely miscible	20 °C	
Partition coefficient: n-octanol/water	not determined		
Dynamic viscosity	not determined		
Kinematic viscosity	not determined		

Colour: white

# 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. The product itself does not burn. not relevant

#### 10.2. Chemical stability

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

# 10.3. Possibility of hazardous reactions

# No known hazardous reactions.

**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

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

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# **TYROLIT Premium Sealer WB**

# **SECTION 11: Toxicological information**

### 11.1. Information on toxicological effects

triethoxyoctylsilane CAS No.: 2943-75-1 EC No.: 220-941-2

**LD<sub>50</sub> oral:** >5,110 mg/kg (Rat) OECD 401

LD<sub>50</sub> dermal: 6,730 mg/kg (Rabbit) OECD 402

LC<sub>50</sub> Acute inhalation toxicity (vapour): 22 mg/L 4 h (Rat) OECD 403

trimethoxy(methyl)silane CAS No.: 1185-55-3 EC No.: 214-685-0

**LD<sub>50</sub> oral:** >11,685 mg/kg (Rat)

**LD<sub>50</sub> dermal:** >9,500 mg/kg (Rat)

LC<sub>50</sub> Acute inhalation toxicity (vapour): >42.1 mg/L (Rat)

formic acid CAS No.: 64-18-6 EC No.: 200-579-1

**LD<sub>50</sub> oral:** 1,100 mg/kg (Ratte)

LC50 Acute inhalation toxicity (vapour): 7.85 mg/L 4 h (Ratte)

methanol CAS No.: 67-56-1 EC No.: 200-659-6

LD<sub>50</sub> oral: >1,187 - 2,769 mg/kg (rat)

LC<sub>50</sub> Acute inhalation toxicity (vapour): 82.1 mg/L 6 h (rat)

#### Acute oral toxicity:

Based on available data, the classification criteria are not met.

#### Acute dermal toxicity:

Based on available data, the classification criteria are not met.

Acute inhalation toxicity: Based on available data, the classification criteria are not met.

#### Skin corrosion/irritation:

Based on available data, the classification criteria are not met. Serious eye damage/irritation:

#### Serious eye damage/irritation:

Based on available data, the classification criteria are not met. **Respiratory or skin sensitisation:** 

Based on available data, the classification criteria are not met.

# Germ cell mutagenicity:

Based on available data, the classification criteria are not met. **Carcinogenicity:** 

Based on available data, the classification criteria are not met. **Reproductive toxicity:** 

Based on available data, the classification criteria are not met.

# STOT-single exposure:

Based on available data, the classification criteria are not met.

# STOT-repeated exposure:

Based on available data, the classification criteria are not met. **Aspiration hazard:** 

Based on available data, the classification criteria are not met.

#### Additional information: No data available

# 11.2. Information on other hazards

No data available

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

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# **SECTION 12: Ecological information**

#### 12.1. Toxicity

trimethoxy(methyl)silane CAS No.: 1185-55-3 EC No.: 214-685-0

LC<sub>50</sub>: >110 mg/L 4 d (fish, Oncorhynchus mykiss (previous name: Salmo gairdneri)) OECD Guideline 203 (Fish, Acute Toxicity Test)

**EC**<sub>50</sub>: >3.6 mg/L 3 d (Algae/water plant, Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)) OECD Guideline 201 (Alga, Growth Inhibition Test)

EC50: >122 mg/L 2 d (crustaceans, Daphnia magna) OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)

**NOEC:** ≥3.6 mg/L 3 d (Algae/water plant, Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)) OECD Guideline 201 (Alga, Growth Inhibition Test)

**NOEC:** ≥110 mg/L 4 d (fish, Oncorhynchus mykiss (previous name: Salmo gairdneri)) OECD Guideline 203 (Fish, Acute Toxicity Test)

**NOEC:** ≥122 mg/L 2 d (crustaceans, Daphnia magna) OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test) **NOEC:** ≥10 mg/L 21 d (crustaceans, Daphnia magna) OECD Guideline 211 (Daphnia magna Reproduction Test)

formic acid CAS No.: 64-18-6 EC No.: 200-579-1

EC<sub>50</sub>: 151 mg/L 2 d (crustaceans, Krustentiere)

methanol CAS No.: 67-56-1 EC No.: 200-659-6

**LC<sub>50</sub>:** 15,400 mg/L 4 d (fish, Lepomis macrochirus) EPA-660/3-75-009, 1975

**EC**<sub>50</sub>: 22,000 mg/L 4 d (Algae/water plant, Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum))

**EC**<sub>50</sub>: 12,700 mg/L 4 d (fish, Lepomis macrochirus) EPA-660/3-75-009, 1975

EC<sub>50</sub>: 18,260 mg/L 4 d (crustaceans, Daphnia magna) OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)

# **12.2. Persistence and degradability**

triethoxyoctylsilane CAS No.: 2943-75-1 EC No.: 220-941-2

Biodegradation: Yes, slowly

methanol CAS No.: 67-56-1 EC No.: 200-659-6

Biodegradation: Yes, rapidly

#### 12.3. Bioaccumulative potential

triethoxyoctylsilane CAS No.: 2943-75-1 EC No.: 220-941-2

**Log K<sub>OW</sub>:** 6.41

Bioconcentration factor (BCF): 1,980 Species: Cyprinus carpio

trimethoxy(methyl)silane CAS No.: 1185-55-3 EC No.: 214-685-0

Log Kow: 2.4

methanol CAS No.: 67-56-1 EC No.: 200-659-6

# Log K<sub>OW</sub>: -0.77

Bioconcentration factor (BCF): < 10 Species: Leuciscus idus melanotus

#### 12.4. Mobility in soil

No data available

# 12.5. Results of PBT and vPvB assessment

 triethoxyoctylsilane
 CAS No.: 2943-75-1
 EC No.: 220-941-2

 Results of PBT and vPvB assessment:
 This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

 trimethoxy(methyl)silane
 CAS No.: 1185-55-3
 EC No.: 214-685-0

 Results of PBT and vPvB assessment:
 —

acetic acid CAS No.: 64-19-7 EC No.: 200-580-7

Results of PBT and vPvB assessment: –

formic acid CAS No.: 64-18-6 EC No.: 200-579-1 Results of PBT and vPvB assessment: —

**methanol** CAS No.: 67-56-1 EC No.: 200-659-6

Results of PBT and vPvB assessment: -

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# 12.6. Endocrine disrupting properties

No data available

# 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

08 02 99 Wastes not otherwise specified

#### Waste code packaging

15 01 02 Plastic packaging

#### 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)
14.1. UN number or I	D number	<u>, с</u>	
No dangerous good in sense of these transport regulations.			
14.2. UN proper ship	ping name	<u>^</u>	
No dangerous good in sense of these transport regulations.			
14.3. Transport hazaı	rd class(es)	•	
not relevant	not relevant	not relevant	not relevant
14.4. Packing group			
not relevant	not relevant	not relevant	not relevant
14.5. Environmental	hazards		
not relevant	not relevant	not relevant	not relevant
14.6. Special precaut	ions for user	·	
not relevant	not relevant	not relevant	not relevant

#### **14.7. Maritime transport in bulk according to IMO instruments** No data available

# 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 Directive 2004/42/EC on the limitation of emissions of volatile organic compounds: VOC value 30 g/L

VOC EU Limit (2004/42/EG) (cat. IIA/h): 30 g/L, VOC value 29 g/L

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

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# **TYROLIT Premium Sealer WB**

# 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

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

Substance name	Туре	source of supply
<b>methanol</b> CAS No.: 67-56-1 EC No.: 200-659-6	$LD_{50}$ oral; $LC_{50}$ Acute inhalation toxicity (vapour); $LC_{50}$ ; $EC_{50}$	Source: European Chemicals Agency, http://echa.europa.eu/
trimethoxy(methyl)silane CAS No.: 1185-55-3 FC No.: 214-685-0	LC <sub>50</sub> ; EC <sub>50</sub> ; NOEC	Source: European Chemicals Agency, http://echa.europa.eu/

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

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

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

Hazard statements		
H225	Highly flammable liquid and vapour.	
H226	H226 Flammable liquid and vapour.	
H302	H302 Harmful if swallowed.	
H314	Causes severe skin burns and eye damage.	
H315	H315 Causes skin irritation.	
H318	Causes serious eye damage.	
H319	Causes serious eye irritation.	

#### 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.