

## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 22.07.2020

Version number 1

Revision: 11.02.2020

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

- **1.1 Product identifier**
- **Trade name:** **TYTAN PROFESSIONAL WINS External Liquid Foil**
- **Article number:** D-3098
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Application of the substance / the mixture** Waterproofing coating
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
TP  
Selena FM S.A.  
ul. Strzegomska 2-4, 53-611 Wrocław, Poland  
tel.: +48 71 78 38 290, fax: +48 71 78 38 291  
e-mail: office@selena.com  
www.selenafm.com  
BDO: 000136566
- **Further information obtainable from:** msds@selena.com
- **1.4 Emergency telephone number:** European emergency number: 112 (24h)

### SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**  
Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.
- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**  
The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements**  
H412 Harmful to aquatic life with long lasting effects.
- **Precautionary statements**  
P102 Keep out of reach of children.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P302+P352 IF ON SKIN: Wash with plenty of water.  
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
- **Additional information:**  
EUH208 Contains 1,2-benzisothiazol-3(2H)-one, 2-methyl-2H-isothiazol-3-one, a mixture of: 5-chloro-2-methyl-2 H -isothiazol-3-one [EC No 247-500-7] and 2-methyl-2 H -isothiazol-3-one [EC No 220-239-6] (3:1). May produce an allergic reaction.  
Contains biocidal products: a mixture of: 5-chloro-2-methyl-2 H -isothiazol-3-one [EC No 247-500-7] and 2-methyl-2 H -isothiazol-3-one [EC No 220-239-6] (3:1)
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

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**SECTION 3: Composition/information on ingredients**

- **3.2 Chemical characterisation: Mixtures**
- **Description:** Mixture of substances listed below with nonhazardous additions.

• **Dangerous components:**

CAS: 1314-13-2 EINECS: 215-222-5 Reg.nr.: 01-2119463881-32-XXXX	zinc oxide	 Aquatic Acute 1, H400; Aquatic Chronic 1, H410	<1%
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- **Additional information:** For the wording of the listed hazard phrases refer to section 16.

**SECTION 4: First aid measures**

- **4.1 Description of first aid measures**
- **General information:** No special measures required.
- **After inhalation:**  
Supply fresh air and to be sure call for a doctor.  
In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:**  
Immediately rinse with water.  
Remove contaminated clothing and shoes.  
Call a doctor immediately.
- **After eye contact:**  
If present, remove contact lenses.  
Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing:**  
Do not induce vomiting.  
Seek immediate medical advice.
- **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**  
No data available.

**SECTION 5: Firefighting measures**

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:** CO<sub>2</sub>, powder or water spray. Fight larger fire with alcohol resistant foam.
- **5.2 Special hazards arising from the substance or mixture**  
In case of fire, the following can be released:  
Nitrogen oxides (NO<sub>x</sub>).  
Carbon monoxide (CO).  
Hydrogen chloride (HCl)
- **5.3 Advice for firefighters**
- **Protective equipment:** Mouth respiratory protective device.

**SECTION 6: Accidental release measures**

- **6.1 Personal precautions, protective equipment and emergency procedures**  
Wear protective clothing.
- **6.2 Environmental precautions:**  
Do not allow product to reach sewage system or any water course.  
Inform respective authorities in case of seepage into water course or sewage system.  
Do not allow to enter sewers / surface or ground water.

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- **6.3 Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Ensure adequate ventilation.
- **6.4 Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

### SECTION 7: Handling and storage

- **7.1 Precautions for safe handling** No special precautions are necessary if used correctly.
- **Information about fire - and explosion protection:** No special measures required.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**  
Store only in the original receptacle.  
Packaging keep closed.
- **Information about storage in one common storage facility:**  
Store away from foodstuffs.  
Do not store together with oxidising and acidic materials.
- **Further information about storage conditions:** Protect from frost.
- **7.3 Specific end use(s)** No data available.

### SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.

- **8.1 Control parameters**

- **Ingredients with limit values that require monitoring at the workplace:**

**CAS: 13463-67-7 titanium dioxide**

WEL	Long-term value: 10* 4** mg/m <sup>3</sup> *total inhalable **respirable
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- **DNELs**

**CAS: 1314-13-2 zinc oxide**

Oral	DNEL	0.83 mg/kg/Tag (General population, consumers)
Dermal	DNEL	83 mg/kg/Tag (General population, consumers)
		83 mg/kg/Tag (Workers)
Inhalative	DNEL	2.5 mg/m <sup>3</sup> (General population, consumers)
		5 mg/m <sup>3</sup> (Workers)

- **PNECs**

**CAS: 1314-13-2 zinc oxide**

(freshwater)	0.0206 mg/l (Aquatic Organisms)
(sea water)	0.0061 mg/l (Aquatic Organisms)
(freshwater sediments)	117.8 mg/kg (Aquatic Organisms)
(sea water sediments)	56.5 mg/kg (Aquatic Organisms)

- **8.2 Exposure controls**

- **Personal protective equipment:**
- **General protective and hygienic measures:**  
Do not eat, drink, smoke or sniff while working.

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Keep away from foodstuffs, beverages and feed.  
Do not inhale dust / smoke / mist.  
Avoid contact with the eyes and skin.  
Immediately remove all soiled and contaminated clothing.  
Wash hands before breaks and at the end of work.

• **Respiratory protection:**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

• **Protection of hands:**

EN 374



Protective gloves

The glove material has to be impermeable and resistant to the product / the substance / the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

• **Material of gloves**

Polyethylene gloves.

Recommended thickness of the material:  $\geq 0.020$  mm.

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

• **Penetration time of glove material**

$\geq 10$  min

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

• **Eye protection:**



Tightly sealed goggles

EN 166

• **Body protection:**

Protective work clothing.  
Full head, face and neck protection

**SECTION 9: Physical and chemical properties**

• **9.1 Information on basic physical and chemical properties**

• **General Information**

• **Appearance:**

Form: Semi-liquid paste

Colour: White

• **Odour:** Weak, characteristic

• **Odour threshold:** Not determined

• **pH-value:** 8.5-10.0

• **Change in condition**

• **Melting point/freezing point:** Not determined

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<b>Initial boiling point and boiling range:</b>	Not determined
· <b>Flash point:</b>	Not determined
· <b>Flammability (solid, gas):</b>	Not applicable
· <b>Decomposition temperature:</b>	Not determined
· <b>Auto-ignition temperature:</b>	Not determined
· <b>Explosive properties:</b>	Not determined
· <b>Explosion limits:</b>	
Lower:	Not determined
Upper:	Not determined
· <b>Vapour pressure:</b>	Not determined
· <b>Density:</b>	1.45 g/cm <sup>3</sup>
· <b>Relative density</b>	Not determined
· <b>Vapour density</b>	Not determined
· <b>Evaporation rate</b>	Not determined
· <b>Solubility in / Miscibility with water:</b>	Soluble
· <b>Partition coefficient: n-octanol/water:</b>	Not determined
· <b>Viscosity:</b>	
Dynamic:	15000-18000 mPas
Kinematic:	Not determined
· <b>9.2 Other information</b>	No further relevant information available

### SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** Strong acids and bases.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

### SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.

· **LD/LC50 values relevant for classification:**

**CAS: 1314-13-2 zinc oxide**

Oral	LD50	7,950 mg/kg (rat)
Inhalative	LC50	2,500 mg/l (mouse)

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**CAS: 55965-84-9 a mixture of: 5-chloro-2-methyl-2 H -isothiazol-3-one [EC No 247-500-7] and 2-methyl-2 H -isothiazol-3-one [EC No 220-239-6] (3:1)**

Oral	LD50	49-75 mg/kg (rat)
Dermal	LD50	141 mg/kg (rabbit)
Inhalative	LC50/4h	0.33 mg/l (rat)

- **Primary irritant effect:**
- **Skin corrosion/irritation** May produce an allergic reaction.
- **Serious eye damage/irritation** May cause slight temporary eye irritation.
- **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.

## SECTION 12: Ecological information

### · 12.1 Toxicity

#### · Aquatic toxicity:

**CAS: 1314-13-2 zinc oxide**

EC50	0.413 mg/l (daphnia)
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**CAS: 55965-84-9 a mixture of: 5-chloro-2-methyl-2 H -isothiazol-3-one [EC No 247-500-7] and 2-methyl-2 H -isothiazol-3-one [EC No 220-239-6] (3:1)**

EC50	4.5 mg/l (bacteria)
	0.16 mg/l (daphnia) (48h)
LC50	0.018 mg/l (algae) (72h)
	0.19 mg/l (fish) (96h)

- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **Ecotoxicological effects:**
- **Remark:** Harmful to fish
- **Additional ecological information:**
- **General notes:**  
Do not allow product to reach ground water, water course or sewage system, even in small quantities.  
Harmful to aquatic organisms
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

## SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**

Substance/mixture as a waste compound brings hazardous properties HP: 14  
Must not be disposed together with household garbage. Do not allow product to reach sewage system.  
Dispose of in a safe manner in accordance with local / national regulations.

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Do not allow to enter surface or ground water.

Assigning a code from the waste catalogue depends on the sector, in which the user operates, as well as on arrangements made between the waste generator and a competent environment protection department.

· **European waste catalogue**

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

· **Uncleaned packaging:**

· **Recommendation:** Disposal must be made according to official regulations.

**SECTION 14: Transport information**

· **14.1 UN-Number**

· **ADR, ADN, IMDG, IATA** Not applicable

· **14.2 UN proper shipping name**

· **ADR, ADN, IMDG, IATA** Not applicable

· **14.3 Transport hazard class(es)**

· **ADR, ADN, IMDG, IATA**

· **Class** Not applicable

· **14.4 Packing group**

Not applicable.

· **ADR, IMDG, IATA**

Not applicable

· **14.5 Environmental hazards:**

Not applicable.

· **14.6 Special precautions for user**

Not applicable.

· **14.7 Transport in bulk according to Annex II of Marpol and the IBC Code**

No data available.

· **UN "Model Regulation":**

Not applicable

**SECTION 15: Regulatory information**

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

1907/2006/CE Regulation, REACH  
1272/2008/CE Regulation, CLP  
2015/830/UE Regulation

· **Directive 2012/18/EU**

· **Named dangerous substances - ANNEX I** None of the ingredients is listed.

· **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3

· **Other regulations, limitations and prohibitive regulations** No restriction

· **Substances of very high concern (SVHC) according to REACH, Article 57**

None of the ingredients is listed.

· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

**SECTION 16: Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

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**· Relevant phrases**

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

**· Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3