

## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 27.03.2024

Version number 7 (replaces version 1)

Revision: 27.03.2024

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

- **1.1 Product identifier**
- **Trade name:** Tytan Professional FIX2 TURBO GT mounting adhesive
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- **Product category** PC1 Adhesives, sealants
- **Application of the substance / the mixture**  
Construction chemicals  
Assembly adhesive
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
TYTAN PROFESSIONAL  
Selena FM S.A.  
ul. Legnicka 48 A 54-202 Wrocław, Poland  
tel.: +48 71 78 38 290  
e-mail: office@selena.com  
www.selena.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**  
The product is not classified, according to the CLP regulation.
- **Additional information:** Classification based on the application of bridging principles.
- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **Additional information:**  
Keep out of reach of children.  
EUH208 Contains trimethoxyvinylsilane. May produce an allergic reaction.
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Determination of endocrine-disrupting properties**  
The product does not contain substances with endocrine disrupting properties.

### SECTION 3: Composition/information on ingredients

- **3.2 Mixtures**
- **Description:** Adhesive based on hybrid-polymer.

• **Dangerous components:**

CAS: 13822-56-5 EINECS: 237-511-5 Reg.nr.: 01-2119510159-45-xxxx	(3-Aminopropyl)trimethoxysilane ☠ Eye Dam. 1, H318; ⚠ Skin Irrit. 2, H315	<1.500%
CAS: 2768-02-7 EINECS: 220-449-8 Reg.nr.: 01-2119513215-52-XXXX	trimethoxyvinylsilane ⚠ Flam. Liq. 3, H226; ⚠ Acute Tox. 4, H332; Skin Sens. 1B, H317	<1.000%

(Contd. on page 2)

## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 27.03.2024

Version number 7 (replaces version 1)

Revision: 27.03.2024

Trade name: Tytan Professional FIX2 TURBO GT mounting adhesive

(Contd. of page 1)

- **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**
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:**  
Wash with plenty of water or water and soap. In cases of sickness seek medical advice (show label if possible).
- **After eye contact:**  
If present, remove contact lenses.  
Rinse opened eye for several minutes under running water. Then consult a doctor.  
Remove contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open.
- **After swallowing:** If symptoms persist consult doctor.
- **4.2 Most important symptoms and effects, both acute and delayed**  
No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed**  
No further relevant information 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.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet.
- **5.2 Special hazards arising from the substance or mixture**  
Formation of toxic gases is possible during heating or in case of fire.
- **5.3 Advice for firefighters**
- **Protective equipment:**  
Mouth respiratory protective device.  
Do not inhale explosion gases or combustion gases.
- **Additional information**  
Collect contaminated fire fighting water separately. It must not enter the sewage system.

### SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**  
Ensure adequate ventilation.
- **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.
- **6.3 Methods and material for containment and cleaning up:**  
Dispose of the material collected according to regulations.
- **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**  
Store in cool, dry place in tightly closed receptacles.

(Contd. on page 3)

## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 27.03.2024

Version number 7 (replaces version 1)

Revision: 27.03.2024

Trade name: Tytan Professional FIX2 TURBO GT mounting adhesive

(Contd. of page 2)

- Provide good ventilation.
- **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 unopened original receptacles.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**  
Protect from frost.  
Protect from humidity and water.  
Protect from heat and direct sunlight.
- **7.3 Specific end use(s)** No further relevant information available.

### SECTION 8: Exposure controls/personal protection

- **8.1 Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:**  
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

#### • DNELs

##### CAS: 13822-56-5 (3-Aminopropyl)trimethoxysilane

Oral	DNEL	5 mg/kg/day (General population, consumers)
Dermal	DNEL	5 mg/kg/day (General population, consumers) 8.3 mg/kg/day (Workers)
Inhalative	DNEL	17 mg/m3 (General population, consumers) 58 mg/m3 (Workers)

##### CAS: 2768-02-7 trimethoxyvinylsilane

Oral	DNEL	0.3 mg/kg/day (General population, consumers)
Dermal	DNEL	26.9 mg/kg/day (General population, consumers) 0.69 mg/kg/day (Workers)
Inhalative	DNEL	1.04 mg/m3 (General population, consumers) 4.9 mg/m3 (Workers)

#### • PNECs

##### CAS: 13822-56-5 (3-Aminopropyl)trimethoxysilane

(freshwater)	0.33 mg/l
(sea water)	0.033 mg/l
(freshwater sediments)	1.2 mg/kg
(sea water sediments)	0.12 mg/kg
(soil)	44.4 mg/kg

##### CAS: 2768-02-7 trimethoxyvinylsilane

(freshwater)	0.34 mg/l
(sea water)	0.034 mg/l
(freshwater sediments)	0.27 mg/kg
(soil)	0.046 mg/kg

- **Additional information:** The lists valid during the making were used as basis.

#### • 8.2 Exposure controls

- **Appropriate engineering controls** No further data; see section 7.

(Contd. on page 4)

## Safety data sheet

### according to 1907/2006/EC, Article 31

Printing date 27.03.2024

Version number 7 (replaces version 1)

Revision: 27.03.2024

Trade name: Tytan Professional FIX2 TURBO GT mounting adhesive

(Contd. of page 3)

- **Individual protection measures, such as personal protective equipment**
- **General protective and hygienic measures:**  
Do not eat, drink, smoke or sniff while working.  
Wash hands before breaks and at the end of work.
- **Respiratory protection:** Use suitable respiratory protective device in case of insufficient ventilation.
- **Hand protection**



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**  
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.  
Recommended thickness of the material:  $\geq 0.3$  mm.  
Butyl rubber, BR
- **Penetration time of glove material**  
 $\geq 480$  min  
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye/face protection**



Safety glasses

EN 166

- **Body protection:** Protective work clothing.

## SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**
- **General Information**
- **Physical state** Solid
- **Colour:** Different according to colouring
- **Odour:** Characteristic
- **Odour threshold:** Not determined
- **Melting point/freezing point:** Not determined
- **Boiling point or initial boiling point and boiling range** Not determined
- **Flammability** Not applicable
- **Lower and upper explosion limit**
- **Lower:** Not determined
- **Upper:** Not determined
- **Flash point:** Not applicable
- **Auto-ignition temperature:** Void
- **Decomposition temperature:** Not determined
- **pH** Not applicable

(Contd. on page 5)

## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 27.03.2024

Version number 7 (replaces version 1)

Revision: 27.03.2024

Trade name: Tytan Professional FIX2 TURBO GT mounting adhesive

(Contd. of page 4)

<ul style="list-style-type: none"> <li>• <b>Solubility</b></li> <li>• <b>water:</b></li> <li>• <b>Partition coefficient n-octanol/water (log value)</b></li> <li>• <b>Vapour pressure:</b></li> <li>• <b>Density and/or relative density</b></li> <li>• <b>Density:</b></li> <li>• <b>Relative density</b></li> <li>• <b>Vapour density</b></li> <li>• <b>Relative gas density</b></li> </ul>	<ul style="list-style-type: none"> <li>Reacts with water</li> <li>Not determined</li> <li>Not determined</li> <li>1.35-1.65 g/cm<sup>3</sup></li> <li>Not determined</li> <li>Not determined</li> <li>Void</li> </ul>
<ul style="list-style-type: none"> <li>• <b>9.2 Other information</b></li> <li>• <b>Appearance:</b></li> <li>• <b>Form:</b></li> <li>• <b>Important information on protection of health and environment, and on safety.</b></li> <li>• <b>Ignition temperature:</b></li> <li>• <b>Explosive properties:</b></li> <li>• <b>Change in condition</b></li> <li>• <b>Evaporation rate</b></li> </ul>	<ul style="list-style-type: none"> <li>Paste</li> <li>Product is not selfigniting</li> <li>Product does not present an explosion hazard</li> <li>Not determined</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Information with regard to physical hazard classes</b></li> <li>• <b>Explosives</b></li> <li>• <b>Flammable gases</b></li> <li>• <b>Aerosols</b></li> <li>• <b>Oxidising gases</b></li> <li>• <b>Gases under pressure</b></li> <li>• <b>Flammable liquids</b></li> <li>• <b>Flammable solids</b></li> <li>• <b>Self-reactive substances and mixtures</b></li> <li>• <b>Pyrophoric liquids</b></li> <li>• <b>Pyrophoric solids</b></li> <li>• <b>Self-heating substances and mixtures</b></li> <li>• <b>Substances and mixtures, which emit flammable gases in contact with water</b></li> <li>• <b>Oxidising liquids</b></li> <li>• <b>Oxidising solids</b></li> <li>• <b>Organic peroxides</b></li> <li>• <b>Corrosive to metals</b></li> <li>• <b>Desensitised explosives</b></li> </ul>	<ul style="list-style-type: none"> <li>Void</li> <li>Void</li> <li>Void</li> <li>Void</li> <li>Void</li> <li>Void</li> <li>Void</li> <li>Void</li> <li>Void</li> <li>Void</li> <li>Void</li> <li>Void</li> <li>Void</li> <li>Void</li> <li>Void</li> <li>Void</li> <li>Void</li> <li>Void</li> </ul>

### SECTION 10: Stability and reactivity

- **10.1 Reactivity** Reacts with water.
- **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** Avoid humidity.
- **10.5 Incompatible materials:** Avoid contact with other chemicals.

(Contd. on page 6)

## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 27.03.2024

Version number 7 (replaces version 1)

Revision: 27.03.2024

Trade name: Tytan Professional FIX2 TURBO GT mounting adhesive

(Contd. of page 5)

- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

### SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
  - **Acute 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** 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.
- **11.2 Information on other hazards**

- **Endocrine disrupting properties**

None of the ingredients is listed.

### SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** Based on available data, the classification criteria are not met.
- **12.2 Persistence and degradability** The product after hardening is a solid, insoluble in the water.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **12.5 Results of PBT and vPvB assessment**
  - **PBT:** Not applicable.
  - **vPvB:** Not applicable.
- **12.6 Endocrine disrupting properties**  
The product does not contain substances with endocrine disrupting properties.
- **12.7 Other adverse effects**
- **Additional ecological information:**
- **General notes:**  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

### SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**  
Dispose of in a safe manner in accordance with local / national regulations.  
Must not be disposed together with household garbage. Do not allow product to reach sewage system.  
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 02 | plastic packaging

(Contd. on page 7)

## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 27.03.2024

Version number 7 (replaces version 1)

Revision: 27.03.2024

Trade name: Tytan Professional FIX2 TURBO GT mounting adhesive

(Contd. of page 6)

- **Uncleaned packaging:**

- **Recommendation:**

Disposal must be made according to official regulations.

Packagings that may not be cleansed are to be disposed of in the same manner as the product.

### SECTION 14: Transport information

- **14.1 UN number or ID 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**

- **ADR, IMDG, IATA** Not applicable

- **14.5 Environmental hazards:**

- **Marine pollutant:** No.

- **14.6 Special precautions for user**

Not applicable.

- **14.7 Maritime transport in bulk according to IMO instruments**

Not applicable.

- **Transport/Additional information:**

Not classified as dangerous under transport regulations.

### 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

2020/878/UE Regulation

- **Directive 2012/18/EU**

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

- **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

- **REGULATION (EU) 2019/1148**

- **Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

- **Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

None of the ingredients is listed.

(Contd. on page 8)

## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 27.03.2024

Version number 7 (replaces version 1)

Revision: 27.03.2024

Trade name: Tytan Professional FIX2 TURBO GT mounting adhesive

(Contd. of page 7)

• **Regulation (EC) No 273/2004 on drug precursors**

None of the ingredients is listed.

• **Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

None of the ingredients is listed.

• **REGULATION (EC) No 1005/2009 on substances that deplete the ozone layer – ANNEX I (Ozone- depleting potential)**

• **Other regulations, limitations and prohibitive regulations**

• **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.

• **Relevant phrases**

H226 Flammable liquid and vapour.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H332 Harmful if inhaled.

• **Recommended restriction of use** Information in the appropriate technical data sheet of product.

• **Version number of previous version:** 1

• **Abbreviations and acronyms:**

ADR: Accord relatif au transport international 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)

PBT: Persistent, Bioaccumulative and Toxic

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 3: Flammable liquids – Category 3

Acute Tox. 4: Acute toxicity – Category 4

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Skin Sens. 1B: Skin sensitisation – Category 1B