

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

- **1.1 Product identifier**
- **Trade name:** **TB 1533**
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- **Sector of Use** SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites
- **Product category** PC1 Adhesives, sealants
- **Application of the substance / the mixture** Adhesives
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:** THREE BOND EUROPE S.A.S TEL : 33 (0)1 34 32 39 60  
B.P 9105  
95073 CERGY PONTOISE FAX : 33 (0)1 34 32 39 61  
FRANCE
- **Information department:** Three Bond Europe H&S department : msds@threebond.fr  
Site : http://quickfds.com
- **1.4 Emergency telephone number:** ORFILA (France) - Tel : +33 (0)1 45 42 59 59 (24h)  
Ireland - Tel : 00 353 1 8092568 - 00 353 1 8379964 (24h/24)  
EU Tel : 112

## 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.
- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC** not applicable
- **Information concerning particular hazards for human and environment:** The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
- **Classification system:** The classification was made according to the latest editions of the EU-lists, and expanded upon from company and literature data.
- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **Additional information:** Safety data sheet available on request.  
Restricted to professional users.
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

## SECTION 3: Composition/information on ingredients

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

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**- Dangerous components:**

CAS: 13822-56-5 EINECS: 237-511-5	3-(trimethoxysilyl)propylamine ☒ Xi R36/37/38 ☒ Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335	1-2,5%
CAS: 93925-43-0 EC number: 300-346-5	Silicic acid (H4SiO4), tetraethyl ester, reaction products with bis(acetyloxy)dioctylstannane ☒ Xn R48 R52/53 Aquatic Chronic 3, H412	1-2,5%

**- SVHC**

Not applicable

**- 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. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

In case of unconsciousness place patient stably in side position for transportation.

**- After skin contact**

If skin irritation continues, consult a doctor.

**- After eye contact**

Rinse opened eye for several minutes under running water. Then consult a doctor.

**- After swallowing**

Do not induce vomiting; call for medical help immediately.

Induce vomiting, only if affected person is fully conscious.

A person vomiting while lying on their back should be turned onto their side.

**- 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**

CO2, extinguishing powder or water spray. Fight larger fire with alcohol resistant foam.

Use fire fighting measures that suit the environment.

**- 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:**

Wear fully protective suit.

Mount respiratory protective device.

**- Additional information**

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

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### 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.*
- **6.3 Methods and material for containment and cleaning up:**      *Absorb liquid components with liquid-binding material.  
Dispose contaminated material as waste according to item 13.*
- **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 measures required.*
- **Information about protection against explosions and fires:**      *No special measures required.*
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and receptacles:**      *Store in a cool location.  
Use only receptacles specifically permitted for this substance/product.*
- **Information about storage in one common storage facility:**      *Not required.*
- **Further information about storage conditions:**      *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

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

#### - 8.1 Control parameters

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

#### 67-56-1 methanol

WEL	Short-term value: 333 mg/m <sup>3</sup> , 250 ppm
	Long-term value: 266 mg/m <sup>3</sup> , 200 ppm
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#### - DNELs

#### 67-56-1 methanol

Oral	DINEL	8 mg/kg (Consommateurs)
Dermal	DNEL	40 mg/kg (Travailleur)
Inhalative	DNEL	50 mg/m <sup>3</sup> (Consommateurs) 260 mg/m <sup>3</sup> (Travailleur)

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- **Additional information:** *The lists that were valid during the creation were used as basis.*
- **8.2 Exposure controls**
- **Personal protective equipment**
- **Breathing equipment:** *Use suitable respiratory protective device in case of insufficient ventilation.*
- **Protection of hands:** *Plastic gloves  
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.*
- **Material of gloves** *Nitrile rubber, NBR  
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.*
- **Penetration time of glove material** *The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.*
- **Eye protection:** *Safety glasses*
- **Body protection:** *Protective work clothing.*

### SECTION 9: Physical and chemical properties

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

##### - General Information

##### - Appearance:

- Form:** *Pasty*
- Colour:** *White*
- Odour:** *Characteristic*

##### - Change in condition

- Melting point/Melting range:** *undetermined*
- Boiling point/Boiling range:** *Not applicable*

##### - Flash point:

*Not applicable*

##### - Flammability (solid, gaseous)

*Not applicable.*

##### - Self igniting:

*Product is not selfigniting.*

##### - Danger of explosion:

*Product does not present an explosion hazard.*

##### - Vapour pressure:

*Not determined.*

##### - Density at 25 °C:

*1,39*

##### - Evaporation rate

*Not determined.*

##### - Solubility in / Miscibility with

**Water:** *Not miscible or difficult to mix*

##### - Viscosity:

**dynamic at 25 °C:** *100000 mPas (-)*

##### - 9.2 Other information

*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.*

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- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** Flammable gases/vapours (methanol-ethyl alcohol)  
Liberates methanol and ethyl alcohol on exposure to humid air.

### 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 that are relevant for classification:

##### 67-56-1 methanol

Oral	LD50	7.914 mg/kg (rat)
Dermal	LD50	17.11 mg/kg (rabbit)
Inhalative	LC50/4 h	128.2 mg/l (rat)

- **Primary irritant effect:**
- **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.
- **CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)**
- **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:

##### 67-56-1 methanol

LC50/96h	15.4 mg/l (Leopomis macrochirus)
CE50/48h	>10000 mg/l (daphnia)
CE50/96h	22 mg/l (Selenastrum capricomutum)

- **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.
- **Additional ecological information:**
- **General notes:** Generally not hazardous for water.
- **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** Must be specially treated adhering to official regulations.

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- **Uncleaned packagings:**

- **Recommendation:** *Dispose of packaging according to regulations on the disposal of packagings.*

### SECTION 14: Transport information

- **14.1 UN-Number**

- **ADR, ADN, IMDG, IATA** *Void*

- **14.2 UN proper shipping name**

- **ADR, ADN, IMDG, IATA** *Void*

- **14.3 Transport hazard class(es)**

- **ADR, ADN, IMDG, IATA**

- **Class** *Void*

- **14.4 Packing group**

- **ADR, IMDG, IATA** *Void*

- **14.5 Environmental hazards:**

- **Marine pollutant:** *No*

- **14.6 Special precautions for user** *Not applicable.*

- **14.7 Transport in bulk according to Annex II of Marpol and the IBC Code** *Not applicable.*

- **UN "Model Regulation":** *Void*

### SECTION 15: Regulatory information

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

- **Directive 2012/18/EU**

- **Named dangerous substances - ANNEX I** *methanol*

- **National regulations**

- **Water hazard class:** *Generally not hazardous for water.*

- **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**

*H315 Causes skin irritation.*

*H319 Causes serious eye irritation.*

*H335 May cause respiratory irritation.*

*H412 Harmful to aquatic life with long lasting effects.*

*R36/37/38 Irritating to eyes, respiratory system and skin.*

*R48 Danger of serious damage to health by prolonged exposure.*

*R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.*

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**- Abbreviations and acronyms:** RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)  
ICAO: International Civil Aviation Organisation  
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)  
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  
Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2  
Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2  
STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3  
  
Aquatic Chronic 3: Hazardous to the aquatic environment - Chronic Hazard, Category 3

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