

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 ³ , 250 ppm
	Long-term value: 266 mg/m ³ , 200 ppm
Sk	

- DNELs

67-56-1 methanol

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