

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

#### - 1.1 Product identifier

- Trade name: **TB 7784**

#### - 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 Assembly adhesive

#### - 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



GHS07

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2 H319 Causes serious eye irritation.

STOT SE 3 H335 May cause respiratory irritation.

#### - Classification according to Directive 67/548/EEC or Directive 1999/45/EC



Xi; Irritant

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

#### - Information concerning particular hazards for human and environment:

The product has 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 The product is classified and labelled according to the CLP regulation.

#### - Hazard pictograms



GHS07

- Signal word Warning

#### - Hazard-determining

components of labelling:

ethyl 2-cyanoacrylate

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- **Hazard statements**                      H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H335 May cause respiratory irritation.
- **Precautionary statements**            P261                      Avoid breathing vapours.  
P280                      Wear protective gloves / eye protection.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for  
several minutes. Remove contact lenses, if  
present and easy to do. Continue rinsing.  
P302+P352              IF ON SKIN: Wash with plenty of soap and  
water.  
P501                      Dispose of contents/container in accordance  
with local/regional/national/international  
regulations.
- **Additional information:**              Cyanoacrylate. Danger. Bonds skin and eyes in seconds. Keep  
out of the reach of children.
- **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.

#### - **Dangerous components:**

CAS: 7085-85-0 EINECS: 230-391-5	ethyl 2-cyanoacrylate ☒ Xi R36/37/38 ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335	50-100%
CAS: 9011-87-4	Methacrylic acid methyl ester, polymer with methyl acrylate ☒ Xi R36/37/38 ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335	10-<25%

- **SVHC**    None
- **Additional information**                  For the wording of the listed risk phrases refer to section 16.

### SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **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**                        Remove excess adhesive. Soak in warm, soapy water. The  
adhesive will come loose from the skin in several hours. If skin is  
adhered immerse the bonded surfaces in warm, soapy water.  
Peel or roll the surfaces apart and remove the adhesive from the  
skin with soap and water. Do not try to separate bonded skin  
apart with a direct opposing action.
- **After eye contact**                        In the event that eyelids are adhered together, or bonded to the  
eyeball, do not try to open the eyes by manipulation. Wash  
thoroughly with warm water and seek medical advice. The eye  
will open without further intervention in 1-4 days. In case of direct  
contact with the eyeball adhesive will become disassociated  
within several hours.
- **After swallowing**                        Do not induce vomiting; call for medical help immediately.

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**- 4.2 Most important symptoms and effects, both acute and delayed**

A person vomiting while lying on their back should be turned onto their side.  
Induce vomiting, only if affected person is fully conscious.

Breathing difficulty  
Headache  
Coughing

**- 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>, extinguishing powder or water spray. Fight larger fires with water spray.  
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.  
Carbon monoxide (CO)  
Hydrogen cyanide (HCN)

**- 5.3 Advice for firefighters**  
**- Protective equipment:**

Wear self-contained respiratory protective device.  
Wear fully protective suit.  
Mount respiratory protective device.

**- Additional information**

Cool endangered receptacles with water spray.  
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

### SECTION 6: Accidental release measures

**- 6.1 Personal precautions, protective equipment and emergency procedures**

Ensure adequate ventilation  
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:**

Dispose contaminated material as waste according to item 13.  
Ensure adequate ventilation.  
Absorb liquid components with liquid-binding material.

**- 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**

Ensure good ventilation/exhaustion at the workplace.

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- **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:** Store away from water.
- **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

- **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:**

**7085-85-0 ethyl 2-cyanoacrylate (50-100%)**

WEL Short-term value: 1.5 mg/m<sup>3</sup>, 0.3 ppm

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

#### - 8.2 Exposure controls

##### - Personal protective equipment

##### - General protective and hygienic measures

The usual precautionary measures should be adhered to when handling chemicals.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Do not inhale gases / fumes / aerosols.

Avoid contact with the eyes and skin.

##### - Breathing equipment:

Use suitable respiratory protective device in case of insufficient ventilation.

##### - Protection of hands:



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

##### - Eye protection:

Safety glasses

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

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### SECTION 9: Physical and chemical properties

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

##### - General Information

##### - Appearance:

Form: Fluid  
Colour: Colourless  
- Odour: Weak, characteristic

##### - Change in condition

Melting point/Melting range: Not determined  
Boiling point/Boiling range: > 190 °C

- Flash point: 88 °C

- 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: 1.05

- Evaporation rate: Not determined.

##### - Solubility in / Miscibility with

Water: Not miscible or difficult to mix

##### - Viscosity:

dynamic at 25 °C: 160 mPas

- 9.2 Other information: No further relevant information available.

### SECTION 10: Stability and reactivity

#### - 10.1 Reactivity

#### - 10.2 Chemical stability

##### - Thermal decomposition / conditions to be avoided:

No decomposition if used and stored according to specifications.  
To avoid thermal decomposition do not overheat.

##### - 10.3 Possibility of hazardous reactions

Exothermic polymerization  
Reacts with alcohols, amines, aqueous acids and alkalis  
Reacts violently with water  
Contact with water releases irritant gases  
Contact with alkali releases irritant gases

##### - 10.4 Conditions to avoid

No further relevant information available.

##### - 10.5 Incompatible materials:

No further relevant information available.

##### - 10.6 Hazardous

##### decomposition products:

Hydrogen cyanide (prussic acid)  
Carbon monoxide and carbon dioxide

### SECTION 11: Toxicological information

#### - 11.1 Information on toxicological effects

##### - Acute toxicity

##### - Primary irritant effect:

- Skin corrosion/irritation: Irritant to skin and mucous membranes.

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- **Serious eye damage/irritation** Irritating effect.
- **Respiratory or skin sensitisation** No sensitising effects known.
- **Additional toxicological information:** The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:  
Irritant

## SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **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.  



Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings:**
- **Recommendation:** Dispose of packaging according to regulations on the disposal of packagings.  
Disposal must be made according to official regulations.

## SECTION 14: Transport information


- |                                       |                                   |
|---------------------------------------|-----------------------------------|
| - <b>14.1 UN-Number</b>               |                                   |
| - <b>ADR, ADN, IMDG</b>               | Void                              |
| - <b>IATA</b>                         | UN3334                            |
| - <b>14.2 UN proper shipping name</b> |                                   |
| - <b>ADR, ADN, IMDG</b>               | Void                              |
| - <b>IATA</b>                         | Aviation regulated liquid, n.o.s. |

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- <b>14.3 Transport hazard class(es)</b>	
- <b>ADR, ADN, IMDG</b>	
- <b>Class</b>	Void
- <b>IATA</b>	
	
- <b>Class</b>	9 Miscellaneous dangerous substances and articles.
- <b>Label</b>	9
- <b>14.4 Packing group</b>	
- <b>ADR, IMDG</b>	Void
- <b>14.5 Environmental hazards:</b>	
- <b>Marine pollutant:</b>	No
- <b>14.6 Special precautions for user</b>	Not applicable.
- <b>14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable.
- <b>Transport/Additional information:</b>	Not dangerous according to the above specifications.
- <b>UN "Model Regulation":</b>	-

### SECTION 15: Regulatory information

- <b>15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture</b>	
- <b>Directive 2012/18/EU</b>	
- <b>Named dangerous substances - ANNEX I</b>	None of the ingredients is listed.
- <b>National regulations</b>	
- <b>Water hazard class:</b>	Generally not hazardous for water.
- <b>Other regulations, limitations and prohibitive regulations</b>	Tableau des maladies professionnelles N°66A
- <b>15.2 Chemical safety assessment:</b>	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.

- <b>Relevant phrases</b>	H315 Causes skin irritation.
	H319 Causes serious eye irritation.
	H335 May cause respiratory irritation.
	R36/37/38 Irritating to eyes, respiratory system and skin.
- <b>Abbreviations and acronyms:</b>	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

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*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)*

*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*

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