

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

- **1.1 Product identifier**
- **Trade name:** **TB 1786**
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- **Application of the substance / the preparation** 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

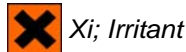
- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



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 EU guidelines:**

The product has been marked in accordance with EU Directives / respective national laws.

- **Code letter and hazard designation of product:**



Xi Irritant

- **Risk phrases:**
- **Safety phrases:**

36/37/38 Irritating to eyes, respiratory system and skin.

23 Do not breathe vapour.
24/25 Avoid contact with skin and eyes.
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

(Contd. on page 2)

GB

Trade name: TB 1786

(Contd. of page 1)

- 37 Wear suitable gloves.
46 If swallowed, seek medical advice immediately and show this container or label.

- Special labelling of certain preparations:

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	ethyl 2-cyanoacrylate	50-100%
EINECS: 230-391-5	 Xi R36/37/38	
	 Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335	

- **SVHC** Not applicable
- **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** If symptoms persist consult doctor.
A person vomiting while lying on their back should be turned onto their side.
Rinse out mouth and then drink plenty of water.

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

Breathing difficulty
Headache
Coughing

(Contd. on page 3)

GB

Trade name: TB 1786

(Contd. of page 2)

- **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 fires with water spray or alcohol resistant foam.
- **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.
- **Additional information** 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:** 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.
- **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.

(Contd. on page 4)

GB

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Trade name: TB 1786

(Contd. of page 3)

- **Further information about storage conditions:** Protect from frost.
Protect from humidity and water.
- **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/m³, 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.

Nitrile, latex

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

- **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.

- **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

- **Body protection:** Use protective suit.
Protective work clothing.

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: undetermined

(Contd. on page 5)

GB

Trade name: TB 1786

(Contd. of page 4)

Boiling point/Boiling range:	60°C
- Flash point:	85°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 20°C:	1.07 g/cm ³
- Evaporation rate	Not determined.
- Solubility in / Miscibility with Water:	Not miscible or difficult to mix
- Viscosity: dynamic at 25°C:	70 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:**
- **on the skin:** Irritant to skin and mucous membranes.
- **on the eye:** Irritating effect.
- **Sensitization:** No sensitizing 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.

(Contd. on page 6)


GB

Trade name: TB 1786


(Contd. of page 5)

- **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

- | | |
|--|---|
| - 14.1 UN-Number
- ADR, ADN, IMDG
- IATA | Void
UN3334 |
| - 14.2 UN proper shipping name
- ADR, ADN, IMDG
- IATA | Void
AVIATION REGULATED LIQUID, N.O.S. |
| - 14.3 Transport hazard class(es)
- ADR, ADN, IMDG
- Class
- IATA | Void |
|  | |
| - Class
- Label | 9 Miscellaneous dangerous substances and articles.
9 |
| - 14.4 Packing group
- ADR, IMDG | 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 MARPOL73/78 and the IBC Code | Not applicable. |

(Contd. on page 7)

GB

Trade name: TB 1786

(Contd. of page 6)

- UN "Model Regulation": -

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **National regulations**
- **Water hazard class:** Generally not hazardous for water.
- **Other regulations, limitations and prohibitive regulations** Tableau des maladies professionnelles N°66A
- **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.
- **Abbreviations and acronyms:**
 - R36/37/38 Irritating to eyes, respiratory system and skin.
 - 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 Organization
 - 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 Harmonized System of Classification and Labelling of Chemicals
- *** Data compared to the previous version altered.**

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