

**C & T MATRIX LTD**  
Sanders Road  
Wellingborough  
Northants NN8 4NL  
Tele 01933273444 Fax 01933 229277  
[www.CandTmatrix.com](http://www.CandTmatrix.com)

**SAFETY DATA SHEET: July 2020**

**1. Identification of the Substance**

**Product Name / Trade Name :** ER 1500 Glue  
**REACH registered name:** ETHYL 2 – CYANOACRYLATE  
**REACH registered number:** 01-2119527766-29-XXXX

**Use of substance/mixture:** PC1 Adhesive, sealants.

**Company Identification:** C & T Matrix Ltd. Sanders Road.  
Finedon Road Industrial. Estate. Wellingborough. Northants. NN8 4NL  
Emergency Telephone No: 01933 273444. Email: [sallymiller@candtmatrix.com](mailto:sallymiller@candtmatrix.com)

**2. Hazards identification**

**Classification under CLP: STOT SE 3: H335 Eye Irrit. 2: H319 Skin Irrit. 2: H315 – EUH202**  
**Most Important adverse effect:** Causes skin irritations. Causes eye Irritation . May cause respiratory irritation. Cyanoacrylate. Danger. Bonds skin and eyes in seconds. Keep out he reach of children.

**Label under CLP:**

Hazardous statements:

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

EUH202 Cyanoacrylate. Danger. Bonds skin to eyes in seconds. Keep out of reach of children.

**Hazard pictograms:**

GHS07 Exclamation mark



Signal words: Warning

**Precautionary statements:**

P261 Avoid breathing dust/fumes/gas/mist/vapour/sprays.

P271 Use only outdoors or in a well ventilated area.

P280 Wear protective gloves, clothing, eye protection and face protection.

P304 and P340 If inhaled remove victim to fresh air and keep at rest in a position of comfortable for breathing.

P305 351 338 If in eyes rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P312 Call a doctor if feel unwell.

This product is not identified as a PBT/vPvB substance

### 3. Composition / information on ingredients.

**Mixes:**

**Hazardous ingredients:** ETHYL-2-CYANOACRYLATE

EINECS: 230-391-5.

CAS 7085-85-0.

CHIP Xi;R36/37/38.

CLP classification: Eye Irrit. 2: H319; STOT SE 3; H335. Skin Irrit 2;H315.

Percent >90%

**Non Classified ingredients:** HYDROQUINONE.

EINECS: 204-617-5.

CAS 123315-9.

CHIP Xn;R40, Xn R68, Xn R22, Xi R41, Sens: R43, NR50.

CLP classification: Carc 2 H351 Muta 2 H341 ,Acute Tox. 4; H302; Eye Dam 1; H318; Skin Sens 1 H317, Aquatic Acute 1 H400

Percent ,1%

### 4. First Aid Measures

**Description of first aid measures:**

**Skin:**Remove all contaminated clothes and footwear unless stuck to skin. Wash with plenty of soap and water.

**Ingestion:** Wash out mouth with water. Consult a doctor.

**Eye contact:** Flush eyes with copious quantities of water for at least 15 Minutes. Consult a doctor.

**Inhalation:** Remove from exposure. Consult a doctor.

**Most important symptoms and effects, both acute and delayed:**

**Skin contact:** There may be irritation and redness at the site of contact.

**Eye contact:** There may be irritation and redness. The eyes may water profusely.

**Ingestion:** There may be soreness and redness of the mouth and throat.

**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

**Delayed / immediate effects:** Immediately effects can be expected after short term exposure.

**Immediate/ special treatment:** Eye bathing equipment should be available on the premises.

### 5. Fire Fighting Measures

**Suitable Extinguishing Media:** for the surrounding fire should be used. Water spray for cooling containers.

**Exposure hazards:** In combustion emits toxic fumes.

**Advise for fire fighters:** Wear self contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

### 6. Accidental Release Measures

**Personal Protection:** Refer to section 8. If outside don't approach from downwind. Keep bystanders upwind and away from danger. Mark out contaminated area with signs and prevent access to unauthorised personnel Turn leaking containers leak side up to prevent the escape of liquid.

**Environmental precautions:** Do not discharge into drains or rivers. Contain the spillage using bunding.

**Methods for clearing up:** Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.  
**Disposal Considerations:** In accordance with local authority regulations.

**7. Handling and Storage**

**Handling:** Avoid direct contact with the substance. Ensure there is sufficient ventilation in the area.  
**Storage:** Store in cool, well ventilated area. Keep containers tightly closed. : use polyethylene.

**8. Exposure Controls/ Personal Protection**

**Control parameters:**  
**Hazardous ingredients:**  
**ETHYL-2-CYANOACRYLATE**

Country	8 hours TWA	15 min. STEL	8 hours TWA	15 min STEL
UK		1.5 mg/m3		

**DNEL/PNEC Values:**

Type	Exposure	Value	Population	Effect
DNEL	Inhalation	9.25 mg/m3	Workers	Local
DNEL	Inhalation	9.25 mg/m3	Workers	Systemic
DNEL	Inhalation	9.25 mg/m3	General Population	Local
DNEL	Inhalation	9.25 mg/m3	General Population	Local

**Exposure Controls:**  
**Engineering:** Ensure there is sufficient ventilator.  
**Respiratory:** Self contained breathing apparatus.  
**Hand :** Protective Gloves.  
**Eyes:** Safety glasses and eye bath.  
**Skin:** Protective clothing.

**9. Physical and Chemical Properties**

Appearance: Liquid  
Colour: Colourless  
Odour: Characteristic odour  
Evaporation rate: No data  
Melting Point: No data available  
Upper: No data available  
Partcoeff.n-octanol/water: No data available  
Boiling Point °C: > 149°C  
Flash point: 80-93.4  
Auto Flammability °C : 450  
Flammability: No data available.  
Oxidising Properties: No data  
Vapour pressure: <700 mbar  
pH: Not applicable  
Relative Density: 1:05

VOC g/l:	<20
Solubility in water:	Reacts with water
Also soluble in:	Acetone
Viscosity:	Viscous
Kinematic viscosity:	700-1000
Viscosity testing methods: Cone and Plate @ 25°C (CPs)	

**10. Stability and Reactivity**

**Reactivity:** Stable under recommended transport or storage conditions.  
**Chemical stability:** Stable under normal conditions.  
**Hazardous reactions:** Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials listed below.  
**Conditions to be avoided:** Heat, moist air.  
Materials to avoid: Water, strong oxidizing agent, strong acids.  
**Hazardous decomposition products:** In combustion emits toxic fumes.

**11. Toxicological Information**

**Toxicity values:**

Route	Species	Test	Value	Units
Dermal	RBT	LD50	>2000	Mg/kg
Oral	RAT	LD50	>5000	Mg/kg

**Hazardous ingredients: ETHYL-2-CYANOCRYLATE**

Route	Species	Test	Value	Units
ORL	RAT	LD50	>5	MI/kg

**Relevant effects for mixture:**

Effect	Route	Basis
Irritation	OPT INH DRM	Hazardous: calculated

**Symptoms/routes of exposure:**  
**Skin:** There may be irritation and redness at the site of contact.  
**Eye:** There may be irritation and redness. The eyes may water profusely.  
**Ingestion:** There may be soreness and redness of the mouth and throat.  
**Inhalation:** there may be irritation of the throat with a feeling of tightness in the chest.  
Exposure may cause coughing or wheezing.  
**Delayed/Immediate effects:** Immediate effects can be expected after short term exposure.

**12. Ecological Information**

**Toxicity:**  
**Values:** No data available.  
**Persistence and degradability:** Biodegradable.  
**Bio accumulative potential:** No bioaccumulation potential.  
**Mobility in soil:** Readily absorbed into soil.  
**Result of PBT and vPvB assessment:** PBT identification. This product is NOT identified as a PBT/b/PvB substance.  
**Other adverse effects:** Negligible ecotoxicity.

### 13. Disposal Considerations

**Waste treatment methods:**

**Disposal operations:** Transfer to a suitable container and arrange for collection by specialized disposal company.

**Waste code number :** 080409.

### 14. Transport Information

**UN Number:** UN3334

**Shipping name:** AVIATION REGULATED LIQUID NOC (Ethyl-2-Cyanoacrylate)

**Packing Group:** III

**Transport class :** 9

**Environmentally hazardous :** No

### 15. Regulatory Information

Safety, Health and environmental regulations/legislation specific for the substance or mixture.

Chemical Safety assessment

### 16. Other Information

This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010

Phases used is s.2 and s.3

EUH202 Cyanoacrylate. Danger. Bonds skin and eyes in seconds. Keep out of reach of children.

H302 Harmful if swallowed.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

H341 Suspected of causing generic defects.

H351 Suspected of causing cancer.

H400 Very toxic to aquatic life.

R22 Harmful if swallowed.

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

R40 Limited evidence of a carcinogenic effect.

R41 Risk of serious damage to eyes.

R43 May cause sensitisation by skin contact.

R50 Very toxic to aquatic organisms.

R68 Possible risk of irreversible effects.

Abbreviations;

PNEC predicted no effect level.

DNEL derived no effect level.

LD50 Median lethal dose.

LC50 Median lethal concentration.

EC50 median effective concentration.

IC50 median inhibitory concentration.

Dw - dry weight.  
Bw - body weight.  
Cc – closed cup.  
Oc- open cup.  
MUS – mouse.  
GPG- guinea pig.  
RBT – rabbit.  
HAM - hamster.  
HMN – human.  
MAM – mammal.  
PNN – pigeon.  
IVN – intravenous.  
SCU – subcutaneous.  
SKN – skin.  
DRM – dermal.  
CC – ocular / corneal.  
PCP – phycico – chemical properties.

*Disclaimer*

*The information provided is believed to be correct but doesn't purports to be all inclusive and shall be used only as a guide. The company will not be held liable for any damage resulting from handling or from contact with the above product.*