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SAFETY DATA SHEET

E-TECK CYANOACRYLATE ADHESIVE

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**1) MANUFACTURER AND SUBSTANCE IDENTIFICATION**

Parfix 3454 (Cyanoacrylate Adhesive)

Supplier : E-Teck Ltd  
Unit 3, Weyside Park,  
Newman Lane,  
Alton, Hants. GU34 2PJ.  
0044(0)1420 82209

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**2) COMPOSITION/ INGREDIENT INFORMATION**

**Chemical characterisation**

**Description:**

Cyanoacrylate monomer, plasticisers and stabilizers.

**Dangerous components**

Ethyl 2 Cyanoacrylate	7085-85-0	85-90% Xi:R36/37/38
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**3) IDENTIFICATION OF DANGERS**

**Hazard designation:**

Cyanoacrylate Danger Bonds skin and eyes in seconds. Keep out of the reach of children  
Irritating to eyes, respiratory system and skin.

**Information pertaining to particular dangers for man and environment**

Irritating to skin and eyes, product cures in contact with moisture

**Classification system**

The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by Information furnished by supplier companies.

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**4) FIRST AID MEASURES**

**After inhalation**

Supply fresh air; consult doctor in case of symptoms

**After skin contact**

Remove soaked clothing; wash skin with water and soap.

**After eye contact**

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor Do not prise open eyelid if bonded closed, soak in warm water and allow to open naturally.

**After swallowing**

Rinse mouth; Do not induce vomiting; Consult a physician.

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## **5) FIRE-FIGHTING MEASURES**

### **Suitable extinguishing agents**

CO<sub>2</sub>, extinguishing powder or alcohol resistant foam.

**For safety reasons unsuitable extinguishing agents** None.

### **Special hazards caused by the material, its products of combustion or flue gases:**

In case of fire CO may be possible.

### **Protective equipment:**

Wear protective equipment/clothing when fighting fires.

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## **6) ACCIDENTAL RELEASE MEASURES**

### **Person-related safety precautions:**

Wear protective equipment. Keep unprotected persons away.

### **Measures for environmental protection:**

Do not allow to enter drainage system, surface or ground water.

### **Measures for cleaning/collecting:**

Ensure adequate ventilation. Flood with water to polymerise, care heat will be liberated.

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

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## **7) HANDLING AND STORAGE**

### **Handling**

#### **Information for safe handling:**

Ensure good ventilation/ exhaust at the work place.

#### **Information about protection against explosions and fires:**

Keep ignition sources away- Do not smoke.

### **Storage**

#### **Requirements to be met by storerooms and containers:**

Store in cool dry location.

#### **Information about storage in one common storage facility:**

Do not store together with strong acids and strong oxidising agents.

#### **Further information about storage conditions:**

Protect from heat and direct sunlight.

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## **8) EXPOSURE CONTROL/ INDIVIDUAL PROTECTION**

### **Additional information about design of technical systems:**

No further data; see item 7.

### **Components with critical values that require monitoring at the workplace:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

### **Additional information:**

### **Personal protective equipment**

General protective and hygienic measures

Wash hands during breaks and at the end of the work.

**Breathing equipment:** Not required but ensure adequate ventilation when using product

**Protection of hands:** Polyethylene gloves recommended

**Eye protection:** Safety glasses.

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## 9) PHYSICAL/ CHEMICAL PROPERTIES

**Form:** Liquid/Gel

**Colour:** Clear

**Smell:** Characteristic

	<u>Value / Range</u>	<u>Unit</u>	<u>Method</u>
<b>Change in condition</b>			
<b>Melting point/Melting range:</b>	-25 to -20°C		
<b>Boiling point/ Boiling range:</b>	65°C /6mmHg		
<b>Flash point:</b>	Not applicable,		
<b>Self-inflammability:</b>	Product is not self igniting		

### **Danger of explosion:**

Product is not explosive. However, formation of explosive air/steam mixtures is possible.

### **Critical values for explosion:**

**Lower:**

**Upper:**

**Vapour pressure:** 0.17mmHg/20°C

**Density:** at 20 deg C 1.06 g/cm3

**Solubility in / Miscibility with Water:** Not miscible polymerises on contact

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## 10) REACTIVITY AND STABILITY

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

No decomposition if used according to specifications.

**Materials to be avoided:** oxidising agents.

**Dangerous reactions:** no dangerous reactions known.

**Dangerous products of composition:** In case of fire CO may be possible.

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## 11) TOXICOLOGICAL INFORMATION

**Acute toxicity:**

**Primary irritant effect:**

**on the skin:** Irritation may be possible.

**on the eye:** Irritation may be possible.

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## 12) ECOLOGICAL INFORMATION

**General notes:**

Water hazard class 1 (self – assessment ) : slightly hazardous for water.

Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

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**13 DISPOSAL CONSIDERATIONS****Product:**

**Recommendation** Disposal must be made according to official regulations.

**Uncleaned packagings:**

**Recommendation** Disposal must be made according to official regulations.

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**14) TRANSPORT INFORMATION****Land transport ADR / RID and GGVS/GGVE (cross-border /domestic)**

**Label:** None

**Maritime transport IMDG/GGVSea:**

None

**Air transport ICAO-TI and IATA-DGR:**

None

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**15) REGULATORY INFORMATION****Designation according to EC guidelines:**

The product has been labelled in accordance with EC Directives / relevant national laws.

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

**Risk phrases:** **Danger : Cyaoacrylate adhesive**  
**Bonds skin and eyes in seconds**

**Safety phrases:**

Keep out of reach of children.  
Avoid contact with skin and eyes  
Do not breathe vapour  
Use only in well-ventilated areas.

**Special designation of certain preparations:**

**National regulations**

**Water hazard class:**

Water hazard class 1 (self- assessment ) : slightly hazardous for water.

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**16) FURTHER INFORMATION**

No further technical information provided.

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

The information given in this Safety Data Sheet is provided in accordance with the National Chemical Regulations and EU-Directives. The product should not be used for purposes other than those shown in Section 1 without first referring to the supplier and obtaining written handling instructions. As the specific conditions of use of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of relevant laws are complied with.

**The information contained in these sheets are based on the present state of knowledge and current national legislation. It provides guidance on health, safety and environment aspects and should not be construed as any guarantee of technical performance or suitability for particular applications.**

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