
SAFETY DATA SHEET

E-TECK CYANOACRYLATE ADHESIVE

1) MANUFACTURER AND SUBSTANCE IDENTIFICATION

Parfix 3471 (Cyanoacrylate Adhesive)

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

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
-----------------------	-----------	---------------------

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.

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.

5) FIRE-FIGHTING MEASURES

Suitable extinguishing agents

CO₂, 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.

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).

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.

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.

9) PHYSICAL/ CHEMICAL PROPERTIES

Form: Liquid/Gel

Colour: Clear

Smell: Characteristic

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

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.

11) TOXICOLOGICAL INFORMATION

Acute toxicity:

Primary irritant effect:

on the skin: Irritation may be possible.

on the eye: Irritation may be possible.

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.

13 DISPOSAL CONSIDERATIONS**Product:**

Recommendation Disposal must be made according to official regulations.

Uncleaned packagings:

Recommendation Disposal must be made according to official regulations.

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

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.

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.
