

Trade Grade Products Ltd

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF THE PREPARATION AND THE COMPANY

1.1 Preparation Name	Cyano Low Odour
1.2 Company Identification	Trade Grade Products Ltd 10 Victory Close Woolsbridge Industrial Park Three Legged Cross Wimborne, Dorset BH21 6SX
1.3 Emergency Telephone Number:	01202 820177

2. COMPOSITION / INFORMATION ON INGREDIENTS

Nature : Contains Methoxyethyl Cyanoacrylate

3. HAZARDS IDENTIFICATION

IRRITANT

Contains Cyanoacrylate ester
Bonds skin and eyes in seconds
Keep out of reach of children.
Highly reactive in water (see section 4 - First Aid)

4. FIRST AID MEASURES

Inhalation	Remove affected person to fresh air.
Skin contact	Do not pull bonded skin apart. It may be gently peeled apart using a blunt object such as a spoon, preferably after soaking in warm water.
Eye contact	If the eye is bonded closed, release eyelashes with warm water by covering with wet pad. Cyanoacrylate will bond eye protein causing lacrymatory effect which will help to debond adhesive. Keep eye covered with wet pad until debonding is complete, usually within 1-3 days. Do not force eye open. Medical advice should be sought in case solid particles of cyanoacrylate trapped behind the eyelid cause any abrasive damage.
Ingestion	Ensure that the breathing passages are not obstructed. The product will polymerise immediately in the mouth making it almost impossible to swallow. Saliva will slowly separate the solidified product from the mouth (several hours).

5. FIRE FIGHTING MEASURES

Non flammable product (flash point is greater than 80°C). If product is involved in fire, extinguish with dry powder, foam or carbon dioxide. Trace amounts of toxic fumes may be released on incineration and the use of breathing apparatus is recommended.

6. ACCIDENTAL RELEASE MEASURES

Ventilate area. Do not use cloths for mopping up. Polymerise with water and scrape off floor.

7. HANDLING AND STORAGE

Ventilation (low level) is recommended using large volumes or where odour becomes apparent. (Odour threshold value is approx 1-2ppm) store in original containers at 5°C to 28°C and do not return residual material to containers as contamination may reduce shelf life.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Polythene or Polypropylene gloves are recommended when using large volumes. Do not use PVC Rubber or Nylon gloves. Eye protection should be worn where there is any risk of splashing.

The TLV for the closely related methyl cyanoacrylate is 2ppm (ACGIH, TWA)

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear colourless liquid
Odour:	Faint
PH:	Not applicable
The following properties are to be interpreted within the meaning of Directive 67/548/EEC	
Boiling point:	100°C
Flash point:	>80°C
Specific gravity:	1.1g/ml at 20°C
Solubility in water:	Immiscible (rapidly polymerised by water)
Solubility in Chloroform:	Not applicable
Vapour pressure:	0.5mm Hg at 25°C
Other properties:	Not applicable

10. STABILITY AND REACTIVITY

Polymerisation will occur in the presence of moisture.

11. TOXICOLOGICAL INFORMATION

Inhalation	Although low odour, in dry atmosphere <50% relative humidity, vapours may irritate the eyes and respiratory system. Prolonged exposure to high concentration of vapours may lead to Chronic effects in sensitive individuals.
Skin	Bonds skin in seconds, considered to be of low toxicity. Acute dermal L.D. 50 (rabbit)>2000 mg/kg. Due to polymerisation at the skin surface allergic reaction is not considered possible.
Eye	Liquid product will bond eyelids. In a dry atmosphere (R.H. <50%) vapours may cause irritation and lachrymatory effect.

Ingestion Cyanoacrylates are considered to have relatively low toxicity. Acute oral L.D. 50 is >5000mg/kg (rat). It is almost impossible to swallow as it rapidly polymerises in the mouth.

12. ECOLOGICAL INFORMATION

Biodegradable product of low ecotoxicity. Does not contain and is not manufactured with any of the substances listed on the Montreal protocol.

13. DISPOSAL CONSIDERATIONS

Polymerise by adding slowly to water (10:1). Dispose of as water insoluble non-toxic solid in authorised landfill or incinerate under controlled conditions. Dispose of in accordance with local and national regulations.

14. TRANSPORT INFORMATION

UN No	1993 (for ADR/RID only)
Air (IATA)	Not classified
Sea (IMO)	Not classified
Road/Rail (ADR/RID)	Inflammable liquid class 3, label No 3, item No 32 (c)

15. REGULATORY INFORMATION

EC Labelling	IRRITANT
Hazard Label	Contains Cyanoacrylate Ester Bonds skin in seconds Keep out of reach of children

16. OTHER INFORMATION

The data and advice given apply only when the product is used for the stated applications.

For intended use and applications see Technical Data Sheet.

The information in this Safety Data Sheet was obtained from reputable sources and to the best of our knowledge is accurate at the date of issue. We cannot accept any liability arising out of the use of the information provided.

Attention is drawn to the hazards of improper use of the product.