

TRADE GRADE PRODUCTS LTD

MATERIAL SAFETY DATA SHEET

1. Identification of the substance / preparation and company.

Product name	Cyano Bond HV / MV / LV
Supplier	Trade Grade Products Limited
Address	10 Victory Close Woolsbridge Industrial Park Three Legged Cross Wimborne Dorset BH21 6SX
Emergency telephone number	01202 820177

2. Composition / Information on Ingredients.

<u>Material description</u>	<u>CAS No</u>	<u>EINECS No</u>	<u>% Content</u>	<u>Health (class)</u>	<u>Risk (R No.)</u>
Polymethyl Methacrylate	---	---	< 15	Xi	R36/37/38
Ethyl 2-cyanoacrylate	7085-85-0	230-391-5	< 90	Xi	R36/37/38
Stabilisers and cross-linking agents	---	---	< 1	---	---

3. Hazards Identification.

Irritating to eyes, respiratory system and skin.

Danger: Cyanoacrylate will bond skin and eyes in seconds.

Keep out of the reach of children.

4. First Aid Measures.

Skin	Prise the skin apart slowly working from the edge of the bond area. This can be eased by using warm, soapy water.
Eye	DO NOT force eyelids apart. Apply a pad soaked in warm water and allow the eye to separate itself.
Ingestion	DO NOT INDUCE VOMITING. Never make an unconscious person drink fluids. Immediately rinse mouth and provide fresh air. Get medical attention.
Inhalation	Move the exposed person to fresh air at once. Get medical attention if irritation persists.

5. Fire-fighting Measures.

Extinguishing media	Water spray, fog or mist, dry chemicals, dolomite.
Special exposure hazards	In case of fire, formation of carbon monoxide, carbon dioxide and nitrous gases.
Personal protection	Wear self contained breathing apparatus if significant amounts are involved.

6. Accidental Release Measures.

Do not touch spilled material. Ventilate well. Wear necessary protective equipment. Do not allow to enter drains, sewers or waterways. Absorb in vermiculite, dry sand or earth and place into containers for subsequent disposal.

7. Handling and Storage.

Handling	Avoid spilling and skin and eye contact. Ventilate well, avoid breathing vapours. Use an approved respirator if air contamination is above acceptable levels.
Storage	Keep in a cool, dry, well ventilated area in tightly closed, original containers. Keep upright.

8. Exposure Controls / Personal Protection.

Exposure limit

<u>Exposure</u>	<u>STD</u>	<u>Long term</u>	<u>Short term</u>
Ethyl 2-Cyanoacrylate Isomers and homologues	OES	NO STD	0.3 ppm

Protective equipment



Respiratory protection

Provide adequate general and local exhaust ventilation.

No specific recommendations made but chemical cartridge protection may still be required for organic dusts / vapours known to be toxic.

Hand protection

Wear plastic or rubber gloves. Wash hands before breaks and at end of work.

Eye protection

Wear approved goggles.

Body protection

Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.

9. Physical and Chemical Properties.

Appearance	Colourless liquid
Odour	Pungent
Boiling point	> 150°C
Density / Specific gravity	1.04 / 1.10
Flash point (closed cup)	> 85°C
Solubility	Polymerises in water.

10. Stability and Reactivity.

Stability	Stable when handled and stored according to the manufactures recommendations.
Hazardous decomposition products	High temperatures generate toxic gases / fumes of carbon dioxide (CO ²) and carbon monoxide (CO).
Conditions to avoid	Avoid heat, flames and other sources of ignition.

11. Toxicological Information.

Inhalation	Vapours may irritate respiratory system and lungs.
Skin	Repeated skin contact may possibly cause dermatitis in sensitive individuals.
Eyes	Irritation of the eyes and mucous membranes.

12. Ecological Information.

Ecological information	Not regarded as dangerous for the environment.
Mobility	Not determined.
Bioaccumulation	Does not bioaccumulate significantly.
Degradability	Not determined.


13. Disposal Consideration.

Disposal of the wet adhesive is governed by the Control of Pollution (Special Wastes) Regulations 1980.
 Non-recoverable waste should be disposed of via a licensed waste disposal contractor.

14. Transport Information.

Not classified as hazardous under transport regulations

15. Regulatory Information.

CHIP Label for supply		IRRITANT
CHIP Risk phrases	R36/37/38 R42/43	Irritating to eyes, respiratory system and skin. May cause sensitisation by inhalation and skin contact.
CHIP Safety phrases	S02 S24/25 S26 S46 S51 S56 P03	Keep out of the reach of children. Avoid contact with skin and eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. If swallowed, seek medical advice immediately and show the label. Use only in well ventilated areas. Dispose of this material and its container at hazardous or special waste collection point. Cyanoacrylate. Danger. Bond skin and eyes in seconds. Keep out of the reach of children.
UK regulatory references	Health & Safety at work Act 1974. The Control of Substances Hazardous to Health Regulations 1988.	
Environmental listing	River (Prevention of Pollution) Act 1961. Control of Pollution (Special Waste Regulations) Act 1980. Control of Pollution Act 1974.	
EU Directives	System of specific information relating to Dangerous Preparations 91\155. Dangerous Substances Directive 67\548. Dangerous Preparations Directive 88\379.	

16. Other Information.

Other information This adhesive should be used in accordance with the supplier's recommendations.

The information provided in this data sheet is based on our current knowledge of the product and is intended to describe it for the purpose of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

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