



SAFETY DATA SHEET
Cyanoacrylate Superglue Medium

According to Regulation (EC) No 1907/2006

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

PRODUCT NAME Cyanoacrylate Superglue Medium
 SUPPLIER Chestnut Products
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 APPLICATION Cyanoacrylate adhesive
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2 HAZARDS IDENTIFICATION

Irritating to eyes, respiratory system and skin.
 CLASSIFICATION (1999/45) Xi;R36/37/38.

HUMAN HEALTH

Liquid adhesive; bonds skin and eyes in seconds. The liquid may irritate the skin, the eyes and the respiratory tract.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification (67/548)
ETHYL 2-CYANOACRYLATE	230-391-5	7085-85-0	60-100%	Xi;R36/37/38

The Full Text for all R-Phrases are Displayed in Section 16

4 FIRST-AID MEASURES

NOTES TO THE PHYSICIAN

SKIN BONDING. Prise the skin apart slowly working from the edge of the bonded area. This can be eased by using warm soapy water. **EYE BONDING. DO NOT** force eyelids apart. Apply a pad soaked in warm water and allow the eye to separate itself.

INHALATION

Remove victim immediately from source of exposure. Provide rest, warmth and fresh air. Get medical attention if any discomfort continues.

INGESTION

Immediately rinse mouth and provide fresh air. **DO NOT INDUCE VOMITING! NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS!** Get medical attention.

SKIN CONTACT

Immediately remove contaminated clothing. Wash the skin immediately with soap and water. If adhesive bonds skin, flush with water and seek medical assistance. Do not attempt to force skin apart if bonded.

EYE CONTACT

If adhesive bonds eyelids, flush with water and seek medical assistance. Do not attempt to force bonded skin apart.

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5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Fire can be extinguished using: Dry chemicals, sand, dolomite etc. Water spray, fog or mist. Do not use water jet as an extinguisher, as this will spread the fire.

SPECIAL FIRE FIGHTING PROCEDURES

Water spray should be used to cool containers. Keep run-off water out of sewers and water sources. Dike for water control.

UNUSUAL FIRE & EXPLOSION HAZARDS

Heat may cause the containers to explode.

SPECIFIC HAZARDS

Fire creates: Toxic gases/vapours/fumes of Carbon monoxide (CO). Carbon dioxide (CO2). Nitrous gases (NOx).

PROTECTIVE MEASURES IN FIRE

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Wear protective clothing as described in Section 8 of this safety data sheet. Avoid inhalation of vapours and contact with skin and eyes.

ENVIRONMENTAL PRECAUTIONS

Do not discharge into drains, water courses or onto the ground.

SPILL CLEAN UP METHODS

DO NOT touch spilled material. Ventilate well. Wear necessary protective equipment. Runoff or release to sewer, waterway or ground is forbidden. Absorb spillage with non-combustible, absorbent material. Hardens in contact with water. Dampen spillage with water. Collect spillage with shovel, broom or the like and reuse, if possible. Dispose of large amounts of spillage/waste according to agreement with local authorities.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level.

STORAGE PRECAUTIONS

Store in tightly closed original container in a well-ventilated place. Store in a refrigerator. Keep away from heat, sparks and open flame. Avoid contact with oxidising agents. Protect from light, including direct sunrays.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	TWA - 8 hrs		STEL - 15 min		Notes
ETHYL 2-CYANOACRYLATE	WEL			0.3 ppm	1.5 mg/m3	

WEL = Workplace Exposure Limit.

PROTECTIVE EQUIPMENT



PROCESS CONDITIONS

Provide eyewash station.

ENGINEERING MEASURES

Provide adequate general and local exhaust ventilation.

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RESPIRATORY EQUIPMENT

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

HAND PROTECTION

Wear protective gloves. Use protective gloves made of: Polyethylene. Viton rubber (fluor rubber).

EYE PROTECTION

Wear approved safety goggles.

OTHER PROTECTION

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

HYGIENE MEASURES

DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Liquid		
COLOUR	Colourless		
ODOUR	Pungent		
SOLUBILITY	Insoluble in water Hardens in contact with water.		
BOILING POINT (°C)	>150°C	MELTING POINT (°C)	-30°C
RELATIVE DENSITY	1.05-1.08	VAPOUR PRESSURE	0.04 mm Hg 25°C
pH-VALUE, CONC. SOLUTION	6-7	VISCOSITY	3-600 cps
FLASH POINT (°C)	>85°C CC (Closed cup).		

10 STABILITY AND REACTIVITY

STABILITY

Stable under normal temperature conditions.

CONDITIONS TO AVOID

Avoid exposure to high temperatures or direct sunlight. Avoid contact with: Water, moisture.

POLYMERISATION DESCRIPTION

Polymerises easily with evolution of heat. Keep cool.

MATERIALS TO AVOID

Strong oxidising substances. Strong alkalis. Water, steam, water mixtures. Alcohols, glycols. Amines.

HAZARDOUS DECOMPOSITION PRODUCTS

In case of fire, toxic gases (CO, CO₂, NO_x) may be formed.

11 TOXICOLOGICAL INFORMATION

INHALATION

Irritating to respiratory system. May cause damage to mucous membranes in nose, throat, lungs and bronchial system.

INGESTION

May cause discomfort if swallowed. May cause stomach pain or vomiting.

SKIN CONTACT

Irritating to skin. Prolonged contact may cause redness, irritation and dry skin.

EYE CONTACT

May cause severe irritation to eyes. Irritation, burning, lachrymation, blurred vision after liquid splash.

Name	ETHYL 2-CYANOACRYLATE
Toxic Dose 1 - LD 50	>3000 mg/kg (oral rat)
Toxic Dose 2 - LD 50	>3000 mg/kg (dermal-rabbit)

12 ECOLOGICAL INFORMATION

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ECOTOXICITY

The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

MOBILITY

Not considered mobile.

DEGRADABILITY

The product is not expected to be biodegradable.

13 DISPOSAL CONSIDERATIONS

GENERAL INFORMATION

Waste to be treated as controlled waste. Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority.

DISPOSAL METHODS

Do not allow runoff to sewer, waterway or ground.

14 TRANSPORT INFORMATION



UK ROAD CLASS	9		
PROPER SHIPPING NAME	AVIATION REGULATED LIQUID, N.O.S. (CONTAINS ETHYL 2-CYANOACRYLATE)		
UN NO. ROAD	3334	ADR CLASS NO.	9
ADR CLASS	Class 9: Miscellaneous dangerous substances and articles.	ADR LABEL NO.	9
RID CLASS NO.	9	UN NO. SEA	3334
IMDG CLASS	9	UN NO. AIR	3334
ICAO CLASS	9		

15 REGULATORY INFORMATION

LABELLING



Irritant

RISK PHRASES

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

SAFETY PHRASES

- S23 Do not breathe vapour/spray.
- S24/25 Avoid contact with skin and eyes.
- S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- S37 Wear suitable gloves.
- S46 If swallowed, seek medical advice immediately and show this container or label.
- S51 Use only in well-ventilated areas.

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P3

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

UK REGULATORY REFERENCES

Health and Safety at Work Act 1974. The Control of Substances Hazardous to Health Regulations 1988.

APPROVED CODE OF PRACTICE

Classification and Labelling of Substances and Preparations Dangerous for Supply.

GUIDANCE NOTES

Workplace Exposure Limits EH40.

16 OTHER INFORMATION

REVISION DATE 20/05/2010

RISK PHRASES IN FULL

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

DISCLAIMER

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.