

MATERIAL SAFETY DATA SHEET



Product: SUPERGLUE

Code: BDC SGA/SGC

Date of Issue: March 2006

Version: 1

1. PREPARATION AND COMPANY IDENTIFICATION:

Preparation Trade Name: **BOND IT CYANOACRYLATE SUPERGLUE**

Supplier: **Bond It**

Address: Un G16 River Bank Way, Lowfields Business Park, Elland, West Yorkshire. HX5 9DN. England.

Telephone: (+44) 01422 315300

Emergency: As Above

2. COMPOSITION/ INFORMATION ON INGREDIENTS:

PRODUCT TYPE: CYANOACRYLATE.

Chemical Composition		%	Symbol; Risk Phrase
7085-85-0	Ethyl Cyanoacrylate and auxiliaries	99	Xi; Irritant
123-31-9	HYDROQUINONE	0-0.5	

3. HAZARD IDENTIFICATION:

Toxicity: Bonds skin rapidly and strongly.

Irritant: Skin and eye irritant.

Ingestion: Estimated oral LD50 more than 5000mg/kg.

Skin: Estimated dermal LD50 more than 2000mg/kg.

Signs and Symptoms Of Exposure: Vapor is irritating on eyes and mucous membranes

Above TLV. Prolonged and repeated overexposure to vapors may produce symptoms of non-allergic

Asthma in sensitive individuals.

4. FIRST AID MEASURES:

Ingestion: Ingestion is not likely. See supplemental page for emergency procedures.

Inhalation: Remove to fresh air. If symptoms persist ,Obtain medical attention.

Skin Contact: Soak in warm water. See supplemental pager for Emergency procedures.

Eye contact: Flush with water. See supplemental pager for Emergency procedures.

5. FIRE FIGHTING MEASURES:

Suitable Extinguishing Media: Carbon dioxide, foam, dry chemical

Unsuitable Extinguishing Media: N/A

Extraordinary Hazards: Capable of polymerisation, but small packaging of the product minimises any risks.

Special Protective Equipment Required: Breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES:

Personal Protection: Plastic or rubber gloves. Vapour mask. Ensure good ventilation.

Environmental Protection: Ensure product does not enter drains. Keep product wet with excess water.

Methods of Disposal: Allow to polymerise and dispose of as non hazardous waste.

7. HANDLING AND STORAGE:

Handling: Do not allow to touch skin. Ensure good ventilation avoid breathing vapour.

Storage: Store below 25°C in cool dry conditions.

8. Exposure Controls:

Ingredients which have exposure limits:

Exposure Limits	(TWA)	ACGIH	OSHA	OTHER
Ingredients	(TLV)	(PEL)		
Ethyl cyanoacrylate	0.2 ppm	TWA	NONE	NONE

HYDROQUINONE STEL	2mg/m3TWA	2mg/m3TWA	2mg/m3TWA	4mg/m3
Exposure Limits Ingredients	(STEL) (TLV)	ACGIH	OSHA (PEL)	

Respiratory Protection: N/A under normal conditions
Eye Protection: Goggles or safety glasses.
Hand Protection: PE gloves. Do not use cotton.

9. PHYSICAL AND CHEMICAL PROPERTIES:

Appearance:	Clear liquid	Odour:	Sharp, irritation.
Boiling Point:	60-70°C/ 3-5mm Hg	Flash Point:	185°F
pH:	N/A	Solubility in Water:	Polymerises
Specific Gravity:	1.05	VOC (EPA Method 24):	98.8%;1037.4g/l
Vapor pressure:	Less than 0.2mm	Vapor Density:	Approximately 3
Evaporation Rate (Ether=1)	Not available		

10. STABILITY AND REACTIVITY: **Stability:** Stable
Hazardous polymerization: Will not occur
Incompatibility: Polymerized by contact with amines, alkalis
Conditions to avoid: Not available
Hazardous Decomposition Products (non-thermal): None

11. TOXICOLOGICAL INFORMATION:

Effects Of Inhalation:	Irritation
Ingestion:	Not known
Skin:	Bonds skin
Eye Contact:	Irritation, risk of bonding of eyelids.
Long Term Effects:	Not known

12. OTHER INFORMATION

Cyanoacrylate adhesive is a very fast setting and strong adhesive. It bonds human tissue including skin in seconds. Experience had shown that accidents due to cyanoacrylate are handled best by passive, non-surgical first aid. Treatment of specific types of accidents is given below:

SKIN CONTACT: Remove excess adhesive. Soak in warm, soapy water. The adhesive will come lose from the skin several hours. Cured adhesive does not present a health hazard even when bonded to the skin. Avoid contact with clothes, fabrics, rags, or tissue. Contact with these materials may cause polymerization. The polymerization of large amounts of adhesive will generate heat causing smoke, skin burns, and strong, irritating vapors. Wear PE gloves and apron when handling large amounts of adhesive.

EYELID TO EYELID OR EYEBALL ADHESION: In the event that eyelids are stuck together or bonded to the eyeball, wash thoroughly with warm water and apply a gauze. The eye will open without further action, typically in 1-4 days. There will be no residual damage. Do not try to pen the eyes by manipulation.

ADHESIVE ON THE EYEBALL: Cyanoacrylate introduced into the eyes will attach itself to the eye protein and well disassociate from it over intermittent periods, generally covering several hours. This will cause periods of weeping until clearance is achieved. During the period of contamination, double vision may be experienced together with a lachrymatory effect, and it is important to understand the cause and realized that disassociation will normally occur within a matter of hours, even with gross contamination.

MOUTH: If lips are accidentally stuck together, apply lots of warm water to the lips and encourage maximum wetting and pressure from saliva inside the mouth. Peel or roll lips apart. Do not try to pull the lip with direct opposing action. It is almost impossible to swallow cyanoacrylate. The adhesive solidifies and adhesives in the mouth. Saliva will lift the adhesive in one half to two days. In case a lump forms in the mouth, position the patient to prevent ingestion of the lump when it detaches.

BURNS: Cyanoacrylates give off heat on solidification. In rare cases, a large drop will increase in temperature enough to cause a burn. Burns should be treated normally after the lump of Cyanoacrylate is released from the issue as described above.

SURGERY: It should never be necessary to use such a drastic method to separate accidentally bonded skin.

13. DISPOSAL CONSIDERATIONS: Appropriate Methods Of Disposal: Allow to polymerise or treat as hazardous waste. Statutory Requirements For Waste Disposal: See above.

14. TRANSPORT INFORMATION: CPL: N/A IMO: N/A

15. REGULATORY INFORMATION:

Label: Statutory phrase must be shown

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

Irritating to eyes respiratory system & skin.

Avoid contact with eyes.

EEC Symbol

Xi: Irritant

Tactile Label

16. OTHER INFORMATION:

Safety data sheet available for professional user on request.

The data contained in this Safety Data Sheet has been supplied as required by the Chemical (Hazard Identification and Packaging) Regulations 1993, as amended, for the purpose of protecting the health and safety of industrial and commercial users who are deemed capable of understanding and acting on the information provided.

Please ensure that it is passed to the appropriate person(s) in your company, who are capable of acting on the information. *This information is given in good faith, being based on the latest knowledge available to Bond It. No known relevant information has been omitted from this Material Safety Data Sheet and the information provided is designed to enable the user to use the product safely. The user should not assume on the basis of the information provided in this sheet that the product is suitable for any abnormal use. If the information provided is insufficient to ensure safety in any particular application, contact Bond It for further advice before the proposed application is undertaken.*