

MATERIAL SAFETY DATA SHEET

STICK FAST™ CYANOACRYLATE ADHESIVES

EMERGENCY PHONE: 1-800-255-3924

HMIS:	HEALTH	2	FLAMMABILITY	2	REACTIVITY	1
NFPA:	HEALTH	2	FIRE HAZARD	2	REACTIVITY	1

1. CHEMICAL PRODUCT IDENTIFICATION:

PRODUCT DESCRIPTION: Cyanoacrylate adhesive, Instant adhesive, super glue, CA

2. COMPOSITION:

	CAS#	%
ETHYL CYANOACRYLATE:	7085-85-0	90-99
POLY (METHYL METHACRYLATE)	9011-14-7	1-10
HYDROQUINONE	12-31-9	0.1-0.5

INGREDIETS THAT HAVE EXPOSURE LIMITS:

EXPOSURE LIMITS (TWA)	ACGIH (TLV)	OSHA (PEL)	OTHER
ETHYL CYANOACRYLATE	0.2ppm TWA	None	None
HYDROQUINONE	2mg/m ³ TWA	2mg/m ³ TWA	2mg/m ³ TWA

EXPOSURE LIMITS (STEL)			4mg/m ³ STEL
ETHYL CYANOACRYLATE	(4ppm) (18 mg/m ³)	(4ppm) (16 mg/m ³)	

3. HAZARDS IDENTIFICATIONS:

Toxicity:	Skin contact may cause burns Bonds skin rapidly Skin and eye irritant Estimated oral LD 50 more than 5,000 mg/kg
Primary routes of entry:	None known
Symptoms of exposure:	Vapor is irritating to mucous membranes when above TVL. Prolonged and repeated overexposure to vapors may produce allergic reactions with asthma like symptoms in sensitive individuals.
Existing conditions aggravated by exposure:	None known

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TARGET ORGANS AND OTHER HEALTH EFFECTS:

		CARCINOGENS		
		NPT	IARC	OSHA
Ethyl Cyanoacrylate:	Allergen, irritant, respiratory	No	No	No
Ploy (methyl methacrylate):	Irritant	No	No	No
Hydroquinone	ACGIH animal carcinogen, blood, bone marrow, central nervous system, eye immune system, irritant, liver, skin, mutagen, thyroid.	No	N/A	No

4. FIRST AID MEASURES AND PERSONAL PROTECTION:

NOTE: See supplemental page or emergency procedures and additional First Aid information.

INGESTION: Ingestion is not likely.
 INHALATION: Remove to fresh air. If symptoms persist, obtain medical attention.
 SKIN CONTACT: Soak in warm water
 EYE CONTACT: Flush with water.

PERSONNEL PROTECTION:

EYE: Chemical safety glasses or goggles
 SKIN: Polyethylene gloves and/or aprons. DO NOT use cotton/cloth type gloves
 VENTILATION: Positive draft exhaust ventilation should be provided to maintain vapor concentration levels below TLV.

5. FIRE FIGHTING MEASURES:

FLASH POINT: 160 – 200 deg F (method TCC)
 EXTINGUISHING AGENTS: Carbon dioxide, foam, dry chemical.
 SPECIAL FIRE FIGHTING PROCEDURES: Not available.
 HAZARDOUS PRODUCTS FORMED BY FIRE OR THERMAL DECOMP: Irritating organic vapors.
 UNUSUAL FIRE OR EXPLOSION HAZARDS: None
 EXPLOSIVE LIMITS:
 (% by volume in air) LOWER Not applicable
 (% by volume in air) UPPER Not applicable

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If a spill or leak occurs, flood area with water to polymerize (cure) the material. Soak up with an inert absorbent.

7. HANDLING AND STORAGE:

Storage:	Store below 72 deg F
Handling:	Avoid contact with skin and eyes. Avoid breathing vapors.
Shelf Life:	One year in original sealed container when stored properly.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION:

NOTE: See supplemental page for emergency procedures and additional First Aid information.
(See section 2 for exposure limit information)

Eyes:	Chemical safety glasses or goggles.
Skin:	Polyethylene gloves and aprons. DO NOT use cotton or cloth materials.
Ventilation:	Positive down draft exhaust ventilation should be provided to maintain vapor concentration below TVL.

9. PHYSICAL AND CHEMICAL PROPERTIES:

Appearance:	Clear liquid
Odor:	Sharp, irritating
Boiling Point:	More than 300 deg F
Solubility in Water:	Polymerized
Specific Gravity:	1.05 @ 75 deg F
Vapor Pressure:	Less than 0.2 mm @ 75 deg F
Vapor Density:	3
VOC	87.1%; 914.55 g/l (EPA Method 24)

10. STABILITY AND REACTIVITY:

Stability:	Stable
Hazardous	
Polymerization:	Will not occur
Incompatibility:	Polymerized by contact with water, alcohol, amines, alkalis.
Conditions to avoid:	Not available
Hazardous decomposition	
Products:	(Non-thermal); None

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Refer to section 3

12. ECOLOGICAL INFORMATION:

No data available.

13. DISPOSAL CONSIDERATIONS:

Recommended methods of disposal:

Polymerize as indicated in Section 6. Incinerate following EPA and local regulations EPA
Hazardous waste number: NH – Not a RCRA Hazardous Waste Material**14. TRANSPORTATION INFORMATION:****DOT (49CFR 172)**

Domestic Ground Transportation

Proper Shipping Name: Unrestricted (Not more than 450 liters);
Combustible liquids, n.o.s. (Cyanoacrylate) (More than 450 liters)
Hazard Class or Division: Unrestricted (Not more than 450 liters)
Identification Number: None (Not more than one pint)
NA 1993 (More than 450 liters)

Marine Pollutant: None

IATAProper shipping name: Unrestricted (Not more than 1 pint)
Aviation regulated liquid, n.o.s., (Cyanoacrylate) (More than 1 pint)
Class or division: Unrestricted (Not more than 1 pint)
Class 9 (More than 1 pint)
UN or ID number: None (Not more than 1 pint)
UN 3334 (More than 1 pint)**15. REGULATORY INFORMATION:**

CA Proposition 65: No Prop 65 Chemicals known to be present

16. OTHER INFORMATION:

HMIS:	HEALTH	2	FLAMMABILITY	2	REACTIVITY	1
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SUPPLEMENTAL INFORMATION:

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First immerse the bonded surface in warm soapy water. Peel or roll the surface apart with the aid of a blunt edge such as a pencil, spoon, handle, etc. Do this gradually in a gentle fashion, with care not to be too forceful. Then remove the adhesive from the skin with soap and water. **DO NOT** try to pull surface apart with a direct opposing action.

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 patch. The eye will open without further action, typically in one to four days. There will be no residual damage. **DO NOT** try to open eyes by manipulation. Let the natural cleansing action of the eye take place.

ADHESIVE ON THE EYEBALL:

Cyanoacrylate introduction into the eyes will attach itself to the eye protein and will disassociate from it over intermittent periods, generally covering several hours. This will cause periods of tearing until clearance is achieved. The adhesive residue will flush out of the eye normally in a matter of hours.

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 the lips apart. **DO NOT** try to pull the lips apart with a direct opposing action. It is almost impossible to swallow cyanoacrylate. The adhesive solidifies and adheres in the mouth saliva will lift the adhesive in 12 to 48 hours.

BURNS:

Cyanoacrylates give off heat on solidification in rare cases a large amount will increase in temperature enough to cause a burn. Should this occur treat using normal medical burn procedures.

DISCLAIMER

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