

GC Electronics
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Product Name: Super Glue
 MSDS Number: 140
 Revision Date: 8/28/03
 Supersedes Date: 10/03/00

MATERIAL SAFETY DATA SHEET

Complies with OSHA Hazard Communication Standard 29 CFR 1910.1200

Product Type: Cyanoacrylate Adhesive
 Product Name: **Super Glue**
 Part Number(s): **10-120**

Emergency Contact: Chemtrec
Phone (24 hours): (800) 424-9300

Section 1 - Identification of Product

HMIS RATINGS		NFPA		Least	0
				Slight	1
Health:	2	Health:	2	Moderate	2
Flammability:	2	Fire Hazard:	2	High	3
Reactivity	1	Reactivity:	1	Extreme	4
				Gloves, Safety Glasses	B

Section 2 - Hazardous Ingredients

Hazardous Components	Cas #	% Wt	Exposure Limits (TWA)		
			ACGIH (TLV)	OSHA (PEL)	Other
Ethyl Cyanoacrylate	7085-85-0	90-99	0.2ppm	None	None
Poly (Methyl Methacrylate)	9011-14-7	1-10			
Hydroquinone	12-31-9	0.1-0.5	2 mg/m ³	2mg/m ³	2mg/m ³ 4mg/m ³ STEL
Ethyl Cyanonacrylate			Exposure Limits (STEL)		
			(4ppm)	(4ppm)	
			(18mg/m ³)	(16mg/m ³)	

Section 3 - Physical Data

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

Section 4 - Fire & Explosion Hazard Data

Flash Point: 160 - 200°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 available
 (% by volume in air) Upper Not available

Section 5 - Health Hazard Data

Primary Route (s) of Entry: None known
 Toxicity: Skin contact may cause burns
 Bonds skin rapidly
 Skin and eye irritant
 Estimated oral LD 50 more than 5,000 mg/kg
 Estimated dermal LD 50 more than 2,000 mg/kg
 Symptoms of Exposure: Vapors is irritating to mucous membranes when above TLV.
 Prolonged and repeated overexposure to vapors may produce allergic reactions with asthma like symptoms in sensitive individuals.
 Existing conditions aggravated by exposure: None known

Target Organs and Other Health Effects:

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

First Aid Measures and

Personal Protection:

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.

Personal 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.

Supplement:

Skin Adhesion: 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 introduced 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 procedures.

Section 6 - Reactivity Data

Stability: Stable

Incompatibility: Polymerized by contact with water, alcohol, amines, alkalies

Hazardous Polymerization: Will not occur

Conditions to Avoid: Not available

Section 7 - Spill or Leak Procedures

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

Disposal: Incinerate following EPA and local regulations.
EPA Hazardous Waste Number: NH – Not a RCRA Hazardous Waste Material

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Section 8 - Special Protection Information

Note: See Section 5 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 TLV.
Respiratory: Not available.

Section 9 – Special Precautions

Precautions to be taken in handling and storage: Avoid contact with skin and **eyes**. Avoid breathing vapors. Store below 72°F

Section 10 - Regulatory Information

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

DOT (49CFR 172)
Domestic Ground Transport
Proper Shipping Name : Unrestricted
Hazard Class: Not Regulated

IATA
Proper Shipping Name: Unrestricted
Class or Division: Unrestricted
UN or ID Number: None

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