CHEMICALS



EPOXY CEMENTS (Cont.)



GC Electronic Grade Self Leveling Potting Silicone Sealant

Dielectric Strength: Thermal Expansion Coefficient:

452 V/mil (173 KV/cm) 9 x 10⁴ 1/K 0°C to 100°C (32°F to 212°F) $>2.19 \times 10^{15}$ Ohm/cm Volume Resistivity:

Part No. 19-160 10.2 fl. oz. Caulk Tube, Clear





Temperature Range:	-40°C to 150°C (40°F to 300°F)
Dielectric Strength: Thermal Conductivity:	430 V/mil 7.34 (Btu * in/ft ² hr °F)
Thermal Expansion Coefficient: Volume Resistivity:	44 (x 10 ⁶ °C) 2.14 x 10 ¹² Ohm/cm

Thermally Conductive Potting Epoxy and Adhesive

This potting Epoxy and adhesive is a highly

filled medium viscosity black casting resin formulated for application requiring a high degree of thermal conductivity. Mix

ratio 1:1. It contains abrasive aluminum oxide filler which can introduce wear

considerations. Cure is normally achieved at

room temperature, although an elevated cure schedule can be used to reach final

Part No. 19-161 2-4 oz. Containers

properties quickly.

NOACRYLATE ADHESIVES & DEBONDERS

"Instant bonding" cyanoacrylate adhesives cure in seconds, do not depend on evaporation of solvents and require no clamping. They are colorless and moisture resistant. They are ideal for bonding metals, plastics, rubber, glass and ceramics to each other or to dissimi-lar materials. Bonding strength up to several thousand psi is possible making them among the strongest adhesives available. These adhe-sives are economical, as only a drop is required. The best type should be determined by experimentation. Use them to repair broken plastic cabinets and other plastic items, attaching nameplates and rubber feet to panels and chassis, cementing broken ceramic glass and rubber items, repairing jewelry, etc. Porous surfaces may be bonded with Gelweld No. 19-0117. The average setting time is between 10 and 100 seconds, after which the cemented articles can be handled. These adhesives may even be used to bond surfaces which are normally difficult to cement such as tellon normality difficult and plass. to cement, such as teflon, polyethylene, vinyl, silicone rubber and glass.



GR-R-RIP (Pb) RoHS T

World famous Ethyl Cyanoacrylate rapid bonding adhesive in gravity fed bottle. Bond strength not affected by temperatures from -60°C to 85°C (-76°F to 185°F).

Part No. 19-115 0.106 fl. oz. Bottle



GC Super Adhesive Ethyl Cyanoacrylate Adhesive

Forms strong, lasting bonds in seconds between either similar or dissimilar materials metal, porcelain, plastic, glass, most rubbers, hardwoods, and other non-porous materials with smooth, close-fitting surfaces. The bond resists softening at temperatures up to 320°F (160°C). Your most versatile adhesive for bonding, attaching, fixturing. Cures to a strength of 5000 psi; because it is solvent-free, there is no shrinking during curing and no solvent fumes. Fills gaps to .003".

Meets Mil. Spec. MIL-A-46050C Type I Class 2.

Part No. 10-128 1 fl. oz. Bottle

GC Super Glue Regular Formula Ethyl Cyanoacrylate Adhesive

Medium viscosity formula for efficient wicking action, faster curing time. Excellent for bonding any combination of plastic, rubber or metal parts. This grade is ideal for small or fine work on non-porous, smooth surfaces. It fills gaps of .003-.005". Highly resistant to acid, alkali, alkali water, solvents and fungus. Non-toxic. Meets Mil. spec. MIL-A-46050B Type 1 Class 2.

Part No. 10-120 0.075 fl. oz. Tube



Ethyl Cyanoacrylate super strength adhesive in a "gel" form – will not drip or run. Fills gaps well.

Part No. 19-117 0.101 fl.oz. Tube

All quantities are single; BU's are packages of 10 Unless otherwise noted.

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

Section 1 - Identification of Product						
Product Type:	RP, SI, FS, HT, MG S Ethyl-2-Cyanoacrylate C6H7NO2					
HMIS RATINGS		NFPA		Least	0	
Health:	2	Health:	C	Slight Moder		
Flammability:	2 2	Fire Hazard:	2 2		3 are 2	
Reactivity	2	Reactivity:	$\frac{2}{2}$	High Extren		
Reactivity	2	Reactivity.	2		s, Safety Glasses B	
	Sec	tion 2 - Hazardo	us Ingredients	01070	s, Ballety Classes D	
	Exposure Limits (TWA)					
Hazardous Components	Cas #	% Wt	ACGIH (TLV)	OSHA (PEL)	Other	
Ethyl-2-Cyanoacrylate	7085-85-0	86-99.9	0.2ppm (TWA)	N/A	0.3ppm (STEL)	
		Section 3 - Phy	vsical Data			
Form:		Liquid				
Color::		Water White/S	traw Colored			
Odor:		Sharp, irritating	ŗ			
Boiling Point:		>100°C				
Vapor Pressure:		<0.5mm Hg				
Specific Gravity @ 25°	C	1.1				
VOC:						
Solubility in Water:	Solubility in Water: Immiscible in water					
Flash Point:		>81°C				
Section 4 - Fire & Explosion Hazard Data						
Flash Point: $150 - 200^{\circ}F (>81^{\circ}C) \text{ (method TCC)}$						
Extinguishing Media:Carbon dioxide, foam, dry chemical, water spray						

Special Fire Fighting Procedures:	Wear self-contained breathing apparatus			
Hazardous Products Formed by Fire or Thermal Decomp: Irritating organic vapors may be formed				
Unusual Fire or Explosion Hazards:	No applicable information found			
Explosive Limits:				
(% by volume in air) Lower	Not available			
(% by volume in air) Upper	Not available			
Section 5 - Health Hazard Data				
Label Precautionary Statements:	Irritant. Irritating to eyes, skin and respiratory system. Cyanoacrylate. Danger. Bonds skin and eyes in seconds.			
Primary Route(s) of Entry:	None known			
Toxicity:	Skin contact may cause burns			
5	Bonds skin rapidly			
	Skin and eye irritant			
	Estimated oral LD 50 more than 5,000 mg/kg			

Symptoms of Exposure:

Existing conditions aggravated by exposure:

Ethyl Cyanoacrylate is not listed as a carcinogen in the US National Toxicology Program Annual report on carcinogens, or by the International Agency for Research on Cancer.

None known

Estimated dermal LD 50 more than 2,000 mg/kg

Vapors is irritating to mucous membranes when above TLV.

reactions with asthma like symptoms in sensitive individuals.

Prolonged and repeated overexposure to vapors may produce allergic

Target Organs and Other Health Effects:

Turget organis and Outer Treatin Effects.		Carcinogens			
		NTP	IARČ	OSHA	
Ethyl Cyanoacrylate:	Allergen, irritant, respiratory	No	No	No	
Poly (methyl methacrylate):	Irritant	No	N/A	No	
Hydroquinone	ACGIH animal carcinogen, blood,	No	N/A	No	
	Bone marrow, central nervous system,				
	eye, immune system, irritant, liver,				
	skin, mutagen, thyroid.				
First Aid Measures and					
Personal Protection:					
Ingestion:	Ingestion is not likely due to polymeriz				
Inhalation:	Remove to fresh air. If symptoms persist, obtain medical attention.				
Skin Contact:	Soak in warm soapy water.				
Eye Contact:	Flush with water. Seek medical attention.				
Personal Protection:					
Eye:	Chemical safety glasses or goggles				
Skin:	Polyethylene gloves and/or aprons. DO NOT use cotton/cloth				
	type gloves.				