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 AdhesiveProduct Name:**GR-R-RIP**Part Number(s):**19-115**

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Manufacturer's Material Safety Data Sheet Trade Name: Brush-on Liquid

Section 2 - Hazardous Ingredients			
Hazardous Ingredient Ethyl 2-cyanoacrylate	CAS# 7085-85-0	% by Weight 95-99	Exposure Limits TWA: 0.2 (ppm) from ACGIH (TLV) TWA: 1 (mg/m ³) from ACGIH (TLV)
Section 3 - Physical Data			
Physical State and Appearance:	Liquid. (Tran	sparent Liquid)	Odor: Acrid Taste: Not available Color: Clear Transparent. (Light)
Molecular Weight:	Mixture		
Molecular Formula:	Mixture		
pH (1% Soln/Water):	Basic		
Boiling/Condensation Point:	>190°C (374	°F)	
Melting/Freezing Point:	Not available		
Critical Temperature:	Not available		
Specific Gravity:	1.05 (Water = 1)		
Vapor Pressure:	The highest known value is 0.3mm of Hg (@ 20°C) (Ethyl 2-cyanoacrylate)		
Vapor Density:	The highest known value is >1 (Air = 1) (Ethyl 2-cyanoacrylate)		
Volatility:	Not available	Not available	
Odor Threshold:	Not available		

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Odor Threshold:	Not available		

Evaporation Rate:	Not available
VOC:	1%
Viscosity:	Dynamic: 45cP
LogK	Not available
Ionicity (in Water):	Not applicable
Dispersion Properties:	Is not dispersed in cold water, hot water
Solubility:	Insoluble in cold water
Physical Chemical Comments:	Insoluble in water

Section 4 - Fire & Explosion Hazard Data

Flammability of the Product:	Combustible
Auto-ignition Temperature:	Not available
Flash Points:	The lowest known value is CLOSED CUP: 79°C (174.2°F), (Ethyl
	2-cyanoacrylate)
Flammable Limits:	Not available
Products of Combustion:	Not available
Fire Hazards in Presence of	
Various Substances:	Not available
Explosion Hazards in Presence	
Of Various Substances:	None known
Fire Fighting Media and	
Instructions:	SMALL FIRE: Use DRY chemical powder
	LARGE FIRE: Use water spray, fog or foam. Do not use water jet.
Protective Clothing (Fire):	Vapor respirator or a self contained breathing apparatus

Special Remarks on Fire Hazards: No additional remark Special Remarks on Explosion Hazards: No additional remark

Section 5 - Health Hazard Data

Routes of Entry:	Inhalation
Potential Acute Health Effects	
Eyes:	Slightly hazardous in case of eye contact (irritant)
Skin:	Bonds skin instantly
Inhalation:	Concentrated vapors are hazardous if inhaled
Ingestion:	No known hazard
Potential Chronic Health Effects:	Repeated use may result in irritation of mucous membrane and upper respiratory tract
Medical Conditions Aggravated	
By Overexposure:	Repeated or prolonged exposure is not known to aggravate any medical condition.
Overexposure Signs/Symptoms:	Side effects are asthma, bronchitis & other chronic lung conditions/upper respiratory tract irritant.