

THINNERS & SOLVENTS



Polystyrene Q-Dope Thinner

For thinning polystyrene base coil dopes and cements. Can also be used for cementing polystyrene parts.

Part No. 10-4102 2 fl. oz. Bottle

N.S.N. 8010-00-063-1376
N.S.N. 8040-00-902-1159



Radio-TV Cement Solvent

Fast acting solvent formulated for use in speaker repair. Dissolves cement on speaker cones, spiders, frames, voice-coils. May also be used as a thinner for all lacquer type cements.

Part No. 10-312 2 fl. oz. Bottle

Part No. 10-320 16 fl. oz. Bottle
N.S.N. 8010-00-775-5893

Part No. 10-321 1 gal. Can

Part No. 10-321-4G 4 gal. Pack



Paint Thinner

All purpose mineral spirit type thinner and solvent for paint and varnish base products.

Part No. 10-6702 2 fl. oz. Bottle
N.S.N. 8010-00-054-1521



Print Kote Solvent

A solvent to remove silicone and other types of protective coatings from PC boards. Required when modifying PC boards or replacing components where the protective coating interferes with the desoldering and resoldering operation.

Part No. 22-209 2 fl. oz. Bottle
N.S.N. 6810-00-711-2185

COATINGS



Silver Print II (Conductive Paint)

For PC repair or add-on circuit traces. Pure silver in acrylic lacquer based carrier may be brushed on for either conductors or shielding. Connections have equal or better conductivity than copper (0.1 ohms per square inch).

Part No. 22-023 1/2 troy oz. Bottle



Red Insulating Varnish

Alkyd-based compound, especially resistant to environmental extremes including oils, water and most acids and alkalis. Retains its high dielectric strength even if wet and is, therefore, especially adaptable to the insulation of electrical and electronic devices or components which may be operated in a very humid climate and up to 250°F (121°C). For general insulation of coils, transformers, motor windings and for all-around protection against oxidation and atmospheric attacks.

3,000 V/mil

Part No. 10-9002-A 2 fl. oz. Bottle w/Brush
N.S.N. 5970-00-901-5331

Part No. 10-9008-A 8 fl. oz. Bottle



Print Kote Conformal Coating

The ultimate coating for PC boards provides a protective shield to resist environmental contaminants. Prevents arcing and shorting. Air dry 15 to 30 minutes. May be baked at 200°C for 30-60 minutes for extreme high temperature applications. 1,400 V/mil

Part No. 22-203 2 fl. oz. Bottle
N.S.N. 8010-00-711-2173

CHEMICAL SPECIFICATION MATRIX (Cont.)

Chem

Silicone Sealants Specifications

Part No.	MSDS	Specific Description	Contents	Base	Color	HMIS Flammability Rating	Specific Gravity	Consistency	Tensile Strength	Dielectric Strength	Temperature	Shelf Life Months*	Dot Shipping
10-150	149	Silicone Rubber Adhesive/Sealant	3 fl.oz	Vulcanized Silicone	Clear	1	1.03	Non-Slump Paste	220 psi	500 v/mil	-80°F to 400°F	18	
19-155	201	Electronic Grade Silicone Sealant/Adhesive	3 fl.oz	Vulcanized Silicone	Clear	0	1.04	Non-Slump Paste	225-275 psi	18 KV/mm	-70°F to 400°F	12	
19-158	275	Electronic Grade Silicone Sealant/Adhesive	10.2 fl oz	Vulcanized Silicone	White	0	1.04	Non-Slump Paste	225-275 psi	18 KV/mm	-70°F to 400°F	12	
19-159			2.8 fl oz								-70°F to 400°F		
EL-615	202	Silicone Caulk Tube	10.2 fl oz	Vulcanized Silicone	Clear	1	1.03	Non-Slump Paste	220 psi	25 KV/mm	-70°F to 400°F	18	

Printed Circuit Products Specifications

Part No.	MSDS	Description	Contents	Base	Color	HMIS Flammability Rating	Specific Gravity	Shelf Life Months*	DOT Shipping
22-225-A	320 208	Positive Type Developer Concentrate	2 fl. Oz 6 fl. Oz	Sodium Hydroxide	Milky White	0	1.08	42	
22-237 22-238 22-239	306	PC Board Etching Solution	6 fl.oz 32 fl oz 1 gal.	Ferric Chloride & Water §	Dark Brown	0	1.42	42	
22-240	104	Stripping Solution	2 fl. Oz	MEK & Xylene	Clear	3	0.84	42	
22-244	131	Etch Resist Lacquer	2 fl. Oz	Hydrocarbon Solvent	Black	3	0.92	36	

§ pH Level = 1.57

Coating Specifications

Part No.	MSDS	Description	Contents	Base	Color	HMIS Flammability Rating	Specific Gravity	Drying Time	Dielectric Strength	Useful Temp. Range	Suggested Solvent	Shelf Life Months*	DOT Shipping
22-023	278	Silver Print II	1/2 troy oz. 1 troy oz.	Acrylic	Silver	3	1.76	Dry 20-30 min. Force Dry 30 min @ 80°C	N/A	N/A	Butyl Acetate	12	
10-9002 10-9008	307	Red Insulation Varnish	2 fl. oz. 8 fl. oz.	Alkyd-Resin Based Enamel	Red	3	1.100	8-24 hours Air Dry @ 77°F	40 - 55 sec. #3 EZ Zahn Cup @ 77°F 3,000 v/Mil	Up to 93°C (200°F)	Use Xylene or 22-209	12	
22-203	138	Print Kote Conformal Coating	2 fl. oz.	High Polymer Silicone Resin	Clear	3	0.880	Air Dry 15-30 mins.	850 cp @ 25°C 1,400 v/Mil	-65°C to 200°C (-85°F to 392°F)	Use 22-209	18	
10-1762	135	Insulating Coating	2 fl. oz. 16 fl. oz.	Synthetic Resin in Solvent	Black	3	0.930	4 hrs.	7,000 - 22,000 cps 1,400 v/Mil	-30°F to +200°F	Use Toluene or 22-209	12	
10-8665	159	Acrylic	11 oz. aerosol	Polymeric	Clear	4	0.740	10 mins	250 CP @ 25°C	Up to 190°C	Use Toluene	30	
10-4702	209	Corona Dope	2 fl. oz.	Cellulose	Black	3	0.900	30-60 mins.	220 CP @ 25°C 3,800 v/Mil	Up to 340°F	10-312 or Lacquer Thinner	36	
10-5002	137	Red-X Corona Dope	2 fl. oz.	Thixotropic Polyester Enamel	Red	3	1.120	2 hrs.	200-400 CP @ 25°C 2,000 v/Mil	Up to 105°C (220° F)	Xylene	36	
10-3702 10-3704 10-3709	101	Q Dope	2 fl. oz. 4 fl. oz. 1 gal.	Styrene	Milky White	3	0.878 ± 0.040	80% Strength: 72 Hr.	720 cps	N/A	Use 10-4102	36	

*Note: Shelf Life is determined by the Date Of Manufacture (DOM) located on the product. If a product has a shelf life of 12 months, a closed container is good for one year past the DOM.

For the latest information—www.gcelectronics.com

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

COATINGS (Cont.)

Chem



Insulating Coating



Heavy-bodied, black insulating coating which replaces insulating tape in applications where wrap-around tape could not readily be applied. This compound dries quickly to a strong pliable finish that will not crack, peel or chip. It is water and oil proof and may be used outdoors to insulate any electrical terminal, connection or wire splice. Excellent for providing insulation on handles, etc. Voltage rating 1400v/mil (min.)

Part No. 10-1762 2 fl. oz. Bottle with Brush



Q Dope



Solution of pure polystyrene in solvents. Dries fast and leaves a clear, protective coating on coils and transformers, with no or minimal effect on inductive values. May also be used as a cement for molded or fabricated items made of polystyrene.

Part No. 10-3702 2 fl. oz. Bottle with Brush
 N.S.N. 8010-00-868-3866
 N.S.N. 5970-00-044-6790
 N.S.N. 5970-00-982-3909

Part No. 10-3704 4 fl. oz. Bottle with Brush
 N.S.N. 5970-01-047-9265
 N.S.N. 8040-00-598-9748

Part No. 10-3709 1 gal. Can
 N.S.N. 8030-00-182-6416



Acrylic Plastic



Transparent (glass-like) lacquer. Seals, protects, insulates and tarnish-proofs any object to which it is applied. This coating has high dielectric strength and resists moisture, caustic solutions and alcohols. Used to coat electronic component and connections as well as metal or art objects (to protect against tarnish and corrosion).

Part No. 10-8665 11 oz. Aerosol



Corona Dope

This lacquer has excellent dielectric, arc and corona resisting properties, and protects surfaces against moisture. Achieved with a quick drying, black lacquer insulating coating, based on a cellulose resin. Temperature range: to 325°F (163°C). This lacquer is used to coat flybacks, coils, transformers to improve the insulation and weather resistant properties of wires. Dielectric Strength: 3,800 Volts/Mil Min.

Part No. 10-4702 2 fl. oz. Bottle with Brush
 N.S.N. 8030-00-778-4278
 N.S.N. 5970-00-063-0685



Red-X Corona Dope



Thixotropic polyester-base red enamel that will not drip or sag, has excellent adhesion and is oil and waterproof. Temperature range: to 220°F (104°C). An excellent insulator, corona and spark preventive coating. For moisture-proofing and insulation of high voltage coils and other high voltage components, especially in high humidity problem areas. Also recommended for rotor and field coils in motors, to coat transformers, etc. Dielectric strength: 1,700 Volts/Mil Min., dielectric constant: 3.7.

Part No. 10-5002 2 fl. oz. Bottle with Brush
 N.S.N. 8040-00-779-2866