

COATINGS (Cont.)



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
Part No. 10-1766 16 fl. oz. Bottle



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
Part No. 10-8665-5G 5 Gal. Can
 N.S.N. 5970-00-279-7091



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

Part No. 19-4702 2 fl. oz. Bottle with Brush




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

Section 3 – Physical Data

Boiling Point:	149 – 285°F 0.79 – 0.83
Specific Gravity (H ₂ O=1):	
Approximate Weight Per Gallon (lbs):	6.60 – 6.90
Vapor Pressure (mm Hg):	125 mm/Hg (20°C)
Vapor Density (air = 1):	Heavier than air
Evaporation Rate (butyl acetate = 1):	>1.0
Solubility in Water:	Insoluble
Percent Volatile:	72.8 – 74.8%
VOC lbs/gal:	4.9 – 5.0
Appearance and Odor:	Various Colors, honey like substance – characteristic odor.

Section 4 – Fire and Explosion Hazard Data

Flash Point (method used):	-10.0 °F TCC
Flammable Limits:	LEL 0.9 UEL 11.5
Extinguishing Media:	Carbon dioxide, dry chemical or foam
Special Fire Fighting Procedures:	Self contained breathing apparatus with a full face piece, operated in pressure demand or other positive pressure mode.
Unusual Fire and Explosion Hazards:	This material is flammable and may be ignited by heat, sparks, flame or static electricity.
Hazardous Products Formed by Fire or Thermal Decomposition:	Carbon dioxide and/or carbon monoxide.
Explosive Limits (% by volume in air):	0.9 – 11.5

Section 5 – Health Hazard Data

Routes of Entry:	<input type="checkbox"/> Inhalation <input type="checkbox"/> Skin <input type="checkbox"/> Ingestion <input type="checkbox"/> Eyes
Health Hazards:	<input type="checkbox"/> Acute <input type="checkbox"/> Chronic See signs and symptoms of exposure below. Brain and nervous system damage (referred to as solvents or painters syndrome). Drying or cracking skin.
Carcinogenicity:	No
Signs and Symptoms of Exposure:	Headache, dizziness, drowsiness, fatigue, irregular heartbeat, skin and eye irritation.
Medical Conditions Generally Aggravated by Exposure:	N/A
Emergency and First Aid Procedures	
Ingestion:	Contact physician or poison control immediately.
Inhalation:	Remove to fresh air. Administer oxygen or artificial respiration if necessary.
Eye Contact:	Flush with large amounts of water. If irritation persists, contact physician.
Skin:	Wash with soap and water.