CHEMICALS

COATINGS (Cont.)



Insulating Coating (%) Rolls





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 cated items made of polystyrene.

Part No. 10-3702 2 fl. oz. Bottle with Brush 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



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 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 (P)



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

GC Electronics Product Name: Insulating Coating

MSDS Number: 135

MATERIAL SAFETY DATA SHEET

Complies with OSHA Hazard Communication Standard 29 CFR 1910.1200

Product Type: Coating

Product Name: **Insulating Coating**

Part Number(s): 10-1762

10-1766

Section 1 – Identification of Product

Common Name: Insulating Coating Chemical Name: Insulating Coating

HMIS RATINGS

National Fire Protection Association (NFPA)

| Health | 2 | Insignificant | 0 |
|-----------------|------|---------------|---|
| Flammability | 3 | Slight | 1 |
| Reactivity | 0 | Moderate | 2 |
| Special Hazards | None | High | 3 |
| _ | | Extreme | 1 |

Extreme

Personal Protection B Gloves, Safety Glasses B

| Section 2 – Hazardous Ingredients Information | | | | | | | | |
|---|---------------------|------------|-------------|--------------|-----------------------------|--|--|--|
| Hazardous Components Chemical and Identity and Common Name(s) | % Wt. (Optional) | CAS# | OSHA PEL | ACGIH TLV | Other Limits Recommended | | | |
| VM & P Naphtha | 36.5-37.1 | 64742-89-8 | 300 ppm | 300 ppm | None | | | |
| Hexane | 18.2-18.6 | 110-54-3 | 500 ppm | 50 ppm | None | | | |
| Toluene | 14.6-14.8 | 108-88-3 | 200 ppm | 50 ppm | None | | | |
| Methyl Ethyl Ketone | 3.5-3.7 | 78-93-3 | 200 ppm | 200 ppm | None | | | |
| Resins | 25.8-27.1 | N/A | N/A | N/A | None | | | |

Warning: This product contains a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

Part Number(s): 10-1762, 10-1766 Page 1 of 4 **GC Electronics Product Name: Insulating Coating**

MSDS Number: 135

Section 3 – Physical Data

Boiling Point: 149 - 285°F

0.79 - 0.83

Specific Gravity (H₂O=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): >1.0Solubility 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

UEL 11.5 Flammable Limits: LEL 0.9

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: ŏ Inhalation ŏ Skin ŏ Ingestion <u>ŏ</u> Eyes

Health Hazards: ŏ Chronic ŏ Acute

> See signs and symptoms of exposure below. Brain and nervous system damage (referred to as solvents or painters syndrome). Drying or cracking

skin.

Carcinogenicity:

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. Eve Contact: Flush with large amounts of water. If irritation persists, contact physician.

Wash with soap and water. Skin:

Part Number(s): 10-1762, 10-1766 Page 2 of 4