

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

MATERIAL SAFETY DATA SHEET

Complies with OSHA Hazard Communication Standard 29 CFR 1910.1200.

Product Type: Coating
 Product Name: **Red-X Corona Dope**
 Part Number(s): **10-5002**

Section 1 - Identification of Product

Trade Name: Synthite ER-41
 Product Description: Air Dry Polyurethane Varnish

HMIS Ratings:		Least	0
Health	2	Slight	1
Flammability	3	Moderate	2
Reactivity	0	High	3
Personal Protection	N/E	Extreme	4
		Gloves and safety glasses	B

Section 2 - Hazardous Ingredients

Exposure Limits					
Hazardous Components	CAS #	OSHA PEL	ACGIH TLV (TWA)	ACGIH TLV(STEL)	Wt %
*Xylene	1330-20-7	100ppm (TWA)	100ppm	150ppm	30 -50
*Ethyl Benzene	100-41-4	100ppm (TWA)	100ppm	125ppm	7 -15

*Indicates toxic chemical(s) subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know act of 1986 and 40CFR372.

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

This product is supplied in compliance with TSCA reporting requirements..

Section 3 - Physical Data

Boiling Range:	280 °F to 290 °F
Specific Gravity (H2O=1)	0.95 –1.08
Vapor Pressure:	no data
Evaporation Rate: (N-Butyl acetate=1)	0.47 Butyl Acetate
% Volatile by Volume:	40 – 65%
Solubility in Water:	Negligible
Physical State/Appearance/Color:	Red Liquid
Viscosity, cps:	200 – 350
Molecular Weight:	Mixture

pH:	N/A
Odor:	Aromatic odor
Decomposition Temperature:	no data
Vapor Density:	no data
Freezing Point:	no data

Section 4 - Fire & Explosion Hazard Data

Flash Point:	81 °F (27°C)
Method Used:	ASTM D-56
Flammable Limits:	Lower: 1.0% for Xylene Upper: 7.0% for Xylene
Extinguishing Media:	In the event of a fire involving this material, alone or in combination with other materials, use dry chemicals, carbon dioxide, alcohol foam extinguishing media or any class B extinguishing agent.
Hazardous Combustion Byproducts:	Oxides of carbon and oxides of nitrogen, fumes and smoke.
Special Fire Fighting Procedures:	This material is flammable and may be ignited by heat, sparks, flame or static electricity. Use self-contained breathing apparatus and protective clothing.
Fire:	Flammable liquid. Closed containers may rupture when exposed to extreme heat. Air oxidation of this product may cause it to spontaneously combust. To avoid spontaneous combustion, prevent residue build up and soak soiled rags, spray both filter and overspray in a closed water filled metal container. "Empty" containers retain product residue (liquid and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition; they may explode and cause injury or death.
Explosion:	Vapors can form an explosive mixture with air. Vapor can travel to a source of ignition such as a spark or flame and flash back.
Fire Fighting Instructions:	Evacuate area and fight fire from a safe distance. Containers can build up pressure if exposed to heat (fire). Use water spray to cool fire-exposed containers. DO NOT extinguish a fire resulting from the flow of this flammable liquid until the flow of liquid is effectively shut off. Explosive vapor-air mixture could form after the initial fire is extinguished. Use water spray to disperse vapors if a spill or leak has not ignited. Water runoff can cause environmental damage. Dike and collect water used to fight fire. See Sections 7 and 9 for disposal considerations.
Protective Equipment:	Wear self-contained breathing apparatus pressure-demand, NIOSH (approved or equivalent) and full protective gear.

Section 5 - Health Hazard Data

Emergency Overview:	Flammable. Irritant.
Route of Exposure:	Eyes, skin, inhalation, and ingestion

DOT Description:

Proper Shipping Name: Paint
 Packing group: III
 UN#: UN1263 (CFR 49 173-150) Exception for Class 3 (flammable) and combustible liquid.
 Hazard class: 3
 Label required: Flammable liquid

All Components:

TSCA 8(b): Inventory Status Listed or Exempt

Ethyl Benzene :

Section 302 Extremely Hazardous

Substances (RQ): 1000 pounds (454 kg)

Section 312 Hazard Category:

Acute: Yes
 Chronic: Yes
 Fire: Yes

State: Ethyl benzene can be found on the following state right to know lists: California, New Jersey, Florida, Pennsylvania, Minnesota, and Massachusetts.

Xylene:

Section 302 Extremely Hazardous

Substances (RQ): 100 pounds (45.4 kg)

Section 312 Hazard Category:

Acute: Yes
 Chronic: Yes
 Fire: Yes

State: Xylene can be found on the following state right to know lists: California, New Jersey, Florida, Pennsylvania, Minnesota, and Massachusetts

Section 11 - Other Information

Toxicological Information

Ethyl Benzene :

Eye Effect: Eye – rabbit: 500 mg; severe irritation (RTECS)
 Skin Effects: No data reported in the cited references as of the revision date.
 Ingestion Effects: Oral – rat LD₅₀: 3500 mg/kg (RTECS)
 Inhalation Effects: Inhalation – rat LCLo: 4000 ppm/4H (RTECS)
 Inhalation – human TCLo: 100 ppm/8H (RTECS)
 Carcinogenicity: IARC – 2B Carcinogen – Possibly Carcinogenic to Humans