

# Super Corona Dope

4226



## Dielectric Strength : 4100 V / mil

- Useful for high voltage applications
- Insulates components circuits and assemblies
- Excellent arc and corona resisting properties
- Protects motor windings and coils from arcing and discharge
- Protects against moisture and oxidation

## Specifications

Physical Properties	
Type	Modified Alkyd
Color	Clear
Thinner	Xylol
Non-Volatiles	35 ± 1%
Specific Gravity	0.916 - 0.936
Viscosity (Brookfield, 25°C)	105 cps
Viscosity (Demmler #1, 25°C)	15-30 seconds
Electrical Properties	
Dielectrics Strength, Heat Cured	4100 Volts / mil
Dielectrics Strength, Air Dried	3000 Volts / mil
Cure Properties	
Tack Free Time	10 min
Heat Cure (110°C / 230°F)	30 min
ASTM Dry Time (25°C)	20 min
Recommended Curing Cycle @ 125-150 °C	3 - 6 hours
Maximum Temperature	180 °C
Physical Properties	
Moisture Resistance	Excellent
ASTM Oil Resistance	Fair
Adhesion to Steel	Excellent
Adhesion to Copper	Excellent
Other Properties	
Flash Point (uncured)	27°C (81°F)
VOC	5.01 lbs/gallon
Application Methods	Dip and Bake
Storage Condition	Stored at 25°C in a dry condition
Shelf Life	1 year from the date of shipment



## Available Sizes

Catalog Number	Sizes Available	Description
4226-55ML	55ml (2 oz)	Liquid
4226-1L	950ml (1 quart)	Liquid
4226-4L	4L (1 gal)	Liquid

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# Material Safety Data Sheet

## Section 1: Product Identification

**MSDS Code: 4226** **Name: Super Corona Dope**

**Related Part Numbers: 4226-55ML; 4226-1L; 4226-4L**

Use: High voltage protective coating for pc boards.

## Section 2: Hazardous Ingredients

CAS#	Chemical Name	Percentage by weight	ACGIH TWA	Osha Pel	Osha Stel
1330-20-7	Xylene	15 - 40	100ppm	100ppm	150ppm
100-41-4	Ethyl Benzene	<10	100ppm	100ppm	

## Section 3: Hazards Identification

**WHMIS Codes:** B2, D2A

**NFPA Ratings:** Health 2 Flammability 3 Reactivity 0

**HMIS Ratings:** Health 2 Flammability 3 Reactivity 0

**Eyes:** May cause eye irritation and conjunctivitis.

**Skin:** Possible absorption through skin. Prolonged exposure will de-fat skin producing flaky cracking dermatitis.

**Inhalation:** Harmful if inhaled. May cause nausea, dizziness, hallucinations, headache, and loss of coordination.

**Ingestion:** Harmful if swallowed. Burning in mouth, stomach. May cause headache, dizziness, nausea, vomiting, and abdominal pain. May cause central nervous system depression.

**Chronic:** No effects known.

## Section 4: First Aid Measure

**Eyes:** Remove contact lenses. Flush with water or saline. Get medical aid.

**Skin:** Wash skin with large quantities of soap and water. Remove contaminated clothing. Get medical aid if symptoms persist.

**Inhalation:** Immediately remove from exposure to fresh air.

**Ingestion:** Do not induce vomiting. Keep person warm. Get medical aid.

## Section 5: Fire Fighting Measures

**Autoignition Temperature:** 272°C **Flash Point:** 26°C **LEL / UEL:** N/a

**Extinguishing Media:** Use water spray, dry chemical, carbon dioxide, or chemical foam.

**General Information:** Vapor is heavier than air and may travel along the ground or may be moved by ventilation and ignited.

### Section 6: Accidental Release Measures

**Spill Procedure:** Remove all sources of ignition. Provide adequate ventilation. Wear appropriate personal protection. Sprinkle absorbent compound onto spill, then sweep into a plastic or metal container. Wipe up further residue with paper towel and place in container. Wash spill area with soap and water.

### Section 7: Handling and Storage

**Handling:** Wash thoroughly after handling. Avoid contact with eyes, skin, and clothing. Do not ingest or inhale. Do not expose container to heat or flame.

**Storage:** Keep away from sources of ignition. Store in a cool, dry, well-ventilated area, away from incompatible substances. Keep from freezing.

### Section 8: Exposure Controls

**Routes of entry:** Eyes, ingestion, inhalation, and skin.

**Ventilation:** Use adequate general or local exhaust ventilation to keep airborne concentrations below exposure limits.

**Personal Protection:** Wear appropriate protective eyeglasses or chemical safety goggles. Wear appropriate protective clothing to prevent skin contact. Use a NIOSH approved respirator when necessary.

### Section 9: Physical and Chemical Properties

<b>Physical State:</b>	Clear Liquid	<b>Odor:</b>	N/e	<b>Solubility:</b>	Insoluble	<b>Evaporation Rate:</b>	N/a	
<b>Boiling Point:</b>	N/a	<b>Specific Gravity:</b>	0.91	<b>Vapor Pressure:</b>	1 PSI @20°C	<b>Vapor Density:</b>	N/a	<b>pH:</b> N/e

### Section 10: Stability and Reactivity

**Stability:** Stable at normal temperatures and pressures.

**Conditions to avoid:** Temperatures over 40°C, ignition sources, strong oxidizing agents and incompatible substances.

**Incompatibilities:** Strong acids, bases, oxidizing agents, sodium, barium, and aluminum.

**Polymerization:** Will not occur.

**Decomposition:** Carbon monoxide, carbon dioxide, and water. Toxic vapors possible due to incomplete combustion.

### Section 11: Toxicological Information

**Sensitization:** (effects of repeated exposure) Prolonged or repeated skin contact may cause dermatitis.

**Carcinogenicity:** (risk of cancer) No

**Teratogenicity:** (risk of malformation in an unborn fetus) No

**Reproductive Toxicity:** (risk of sterility) This product contains xylene, a known embryo toxin. Pregnant women must avoid all contact with this product.

**Mutagenicity:** (risk of heritable genetic effects) No



**Lethal Exposure Concentrations:**

**Ingestion (LD50):** 4300 mg/kg (rat)

**Inhalation (LC50):** 5000 ppm/4h

**Skin (LD50):** N/e

## Section 12: Ecological Information

**General Information:** Avoid runoff into storms and sewers, which lead into waterways. Water runoff can cause environmental damage.

**Environmental Impact Data:** (percentage by weight)

**CFC:** 0

**HFC:**

**Cl.Solv:** 0

**VOC:** 65

**HCFC:** 0

**ODP:** 0

## Section 13: Disposal Information

**General Information:** Dispose of in accordance with all local, provincial, state, and federal regulations. Water runoff can cause environmental damage.

## Section 14: Transportation Information

**Ground: (All sizes 4 liters or less)**

Consumer Commodity / ORM-D.

**Air:**

Shipper must be trained and certified. Refer to IATA regulations, UN# 1263, packing groups 3.

**Sea:**

Shipper must be trained and certified. Refer to IMDG regulations. Limited Quantity, UN# 1263, Paint.

## Section 15: Regulatory Information

**This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by the Controlled Products Regulations.**

**SARA** (Superfund Amendments and Reauthorization Act of 1986, USA, 40 CFR 372.4)

This product contains Ethyl Benzene CAS# 100-41-4 (<10%) and Xylene 1330-20-7 (15 - 40%) toxic chemicals subject to the reportable requirements.

**EPCRA** (Emergency Planning and Right to Know Act, USA, 40 CFR 372.45)

This product contains Ethyl Benzene CAS# 100-41-4 (<10%) and Xylene 1330-20-7 (15 - 40%) toxic chemicals subject to the reporting requirements of section 313 Title III of the SARA of 1986 and 40 CFR part 372

**TSCA** (Toxic Substances Control Act of 1976, USA)

All substances are TSCA listed.

**CAA** (Clean Air Act, USA)

This product does not contain any class 1-ozone depletors.

This product does not contain any class 2-ozone depletors.

This product does not contain any chemicals listed as hazardous air pollutants.

**California Proposition 65** (Chemicals known to cause cancer or reproductive toxicity, May 1, 1997 revision, USA)

This product contains a chemical known to the state of California to cause cancer.

**Health Canada**

Labeling and containers used in this product are listed in compliance with Consumer Chemicals and Container regulations.

**Environment Canada**

Chemicals in this product are listed on the Domestic Substances List in the Canadian Environmental Protection Act

This product does not contain any ozone depleting substances.