

## Technical Specifications

### 419B-1L / 4L / 20L Liquid

#### Acrylic Lacquer Conformal Coating (Liquid)

MG Chemicals 9347-193rd Street, Surrey, BC, Canada V4N 4E7 Phone 1.800.201.8822 Fax 1.800.708.9888



#### Description:

Acrylic resin for insulation against high-voltage arcing and shorts.

#### Applications:

Protects printed circuit boards against moisture, corrosion, and thermal shock. Protects and insulates electrical and electronic components and assemblies, including generators, motors, transformers, relays, and solenoid coils.

#### Features/Benefits:

- ✓ Clear and strong coating protecting against static discharge.
- ✓ More resistant than silicone based coatings (422) to chemical solvents (ie IPA).
- ✓ Less expensive.
- ✓ Good for ambient temperatures to 105°C
- ✓ Easy to repair.
- ✓ Clean up with MG Chemicals CAT # 435 Thinner Cleaner.

**Technical Data:** *Physical Properties:*  
Viscosity: 50-55, 20-25 Sec.s NBR.

*Electrical Properties:*

#### Chemical Components:

Acrylic Resin  
2-propanone (67-64-1)  
2-butanone (78-93-3)  
Xylene (1330-20-7)  
Toluene (108-88-3)  
Ethyl acetate (141-78-6)  
n-butyl alcohol (71-36-3)  
Glycol ester ether (763-69-9)  
Methyl alcohol (67-56-1)  
2-propanol (67-63-0)

#### Health Awareness:

Contents may be harmful. Fumes may be harmful. Contents may catch fire. Use proper ventilation, eye, and hand protection.

#### Directions:

Refer to Material Safety Data Sheet (MSDS) before use. It is recommended to test the product before use.

All surface must be clean, dry, and free of dust, grease, oil, etc... If you are touching up or spraying over conventional finishes,

test for compatibility.

Thin to desired viscosity with a good quality lacquer thinner. Material is self priming. Apply 3 or more coats as needed waiting 10 minutes between coats. Full cure will take approximately 24 hours. Cure time may be accelerated with heat. Do not cure at temperatures above 65°C.

#### Shipping Information:

Packaged in durable 1 liter metal cans with proper headspace to ensure there are no accidents during shipping.

**Ground:** (all sizes 4 litres or less) Consumer Commodity, ORM-D

**Ground:** - Large Sizes: (all sizes larger than 4 litres)  
Shipping Name - Paint related material, Class 3, UN# 1263, Packing Group II, Subsidiary Risk - nil, Use only MG Chemicals U.N. certified outer cartons. Tape all seams on the carton. Hazard Label required - Flammable Liquid. A double arrow orientation label is required and is already printed on the original outer carton. The shipper must be trained and certified to handle documented dangerous goods. References - CFR 49, IATA, Transport Canada TDG.

**Air within continental USA:** (all sizes 4 liters or less)

**Federal Express:** Complete Fed Ex dangerous goods declaration, Shipping name - Consumer Commodity, Class - ORM-D, UN # - n/a (leave blank), Packing Group - n/a (leave blank), Sub Risk - n/a (leave blank), Packing Instructions - n/a (leave blank), Authorization - n/a (leave blank). Use M.G. Chemicals UN certified outer carton. A double arrow orientation label is required and is already printed on the original outer carton. Change the ORM-D marking on the outer carton to ORM-D-AIR, Tape all seams on the carton.

**UPS:** Complete UPS forms marked "Hazardous Materials Shipping Paper" and "Shipper's Certification for Hazardous Materials" with the following information: Shipping Name - Consumer Commodity, Hazard Class - ORM-D, Label Type - ORM-D-AIR..Use M.G. Chemicals UN certified outer carton. Change the ORM-D marking on the outer carton to ORM-D-AIR, Tape all seams on the carton. Refer to UPS guide for shipping hazardous materials.

**All other air:** (all sizes 4 liters or less)

Shipping Name - Consumer Commodity, Class 9, ID# 8000, Packing Group - n/a (leave blank), Sub risk - n/a (leave blank), Packing instruction - 910, Authorization - n/a (leave blank), Emergency - phone (613) 996-6666 collect. Use M.G. Chemicals UN certified outer carton. A double arrow orientation label is required and is already printed on the original outer carton.

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Add a class 9 diamond label to outer carton, and mark ID# 8000 below consumer commodity. Tape all seams. For further information refer to IATA regulations, or phone M.G. Chemicals technical service at 1-800-201-8822.

**All other air including Continental USA** - Large sizes (all sizes larger than 4 liters) Shipping Name - Paint related material, Class 3, UN# 1263, Packing Group II, Subsidiary Risk - nil, IATA Packaging Instructions - 305, Use only MG Chemicals U.N. certified outer cartons. Tape all seams on the carton. Hazard Label required - Flammable Liquid. A double arrow orientation label is required and is already printed on the original outer carton. The shipper must be trained and certified to handle documented dangerous goods. References - CFR 49, IATA, Transport Canada TDG.

#### **Sea - All Sizes:**

Shipping Name - Paint related material, Flash point -18C, Class 3, UN# 1263, Packing Group - II, Vessel Storage - stow clear of living quarters, stow away from sources of heat, may be stowed on deck or under deck on a cargo vessel, must be stowed on deck on a passenger vessel. Use M.G. Chemicals UN certified outer carton. Hazard Label required - Flammable Liquid. A double arrow orientation label is required and is already printed on the original outer carton. Tape all seams. Emergency - phone (613) 996-6666 collect. For further information refer to IMO regulations or phone M.G. Chemicals technical service at 1-800-201-8822.

#### **Availability:**

419B-1L 1L (35oz) Liquid

419B-4L 4L (1gal) Liquid

419B-20L 20L (5gal) Liquid

419B-340G 340g (12oz) Aerosol Can\*

\* (See Acrylic Lacquer Conformal Coating 419B Aerosol)

#### **Technical Support: MG Chemicals**

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