

Technical Specifications

841-340G Aerosol

Super Shield Conductive Coating (Aerosol)

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



Description:

A general purpose shielding spray to reduce or eliminate electromagnetic/radio-frequency interference for use on plastic electronic enclosures. Consists of a tough, durable acrylic base pigmented with a high purity nickel flake.

1 to 2 mil coating provides an effective shielding of 40dB to 50dB up to a frequency of 1800MHz, tested as per IEEE Std. 299-1997.

Applications:

Useful for shielding and grounding plastic enclosures against EMI/RFI.

Features/Benefits:

- ✓ Excellent adhesion to most plastics at both hot and cold temperatures.
- ✓ Touch dry time: 10 minutes at room temperature (20°C).
- ✓ Recoat time: 2 minutes.
- ✓ Underwriters Laboratories Recognized File No. E202609.
- ✓ Available in both liquid and aerosol.
- ✓ Liquid version for dipping, brushing or spray gun applications.
- ✓ Thinner available for adjusting viscosity (MG CAT # 435-1L Thinner/Cleaner).
- ✓ No CFC's, No HCFC's, Ozone friendly.
- ✓ Approximate coverage is 1600 square inches.

Technical Data: 19% Nickel
27% Solids
Approximate Surface Resistance: 0.7 ohms

Chemical Components:

Acrylic Resin
1,1,1,2-tetrafluoroethane (811-97-2)
2-propanone (67-64-1)
Nickel (7440-02-2)
1-methoxy-2-propanol acetate (108-65-6)
Ethyl acetate (141-78-6)
2-butanone (78-93-3)
Xylene (1330-20-7)
Toluene (108-88-3)
n-butyl alcohol (71-63-3)
Glycol ether ester (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 surfaces must be clean, dry, and free of dust, grease, oil, etc... If you are touching up or spraying over conventional finishes, test for compatibility. Shake can well before using. Spray with an even sweeping motion 6 to 10 inches (15-25 cm) from surface. Wait at least 2 minutes between coats. For best results apply at room temperature (20°C).

Apply a 1.0 to 1.5 mil coating for good shielding performance. Dry handling time is approximately 5 to 10 minutes depending on ambient temperature. Full cure will take approximately 24 hours. After drying time is reached, resistance should be less than 1 ohm obtained at a 1 inch spacing using rounded tip ohmmeter.

Shipping Information:

Packaged in durable metal aerosol cans.

Ground: Consumer Commodity, ORM-D

Air within continental USA:

Federal Express: Complete Fed Ex dangerous goods declaration, Shipping Name - Consumer Commodity, Class - ORM-D, UN# - n/a, Packing Group - n/a, Sub Risk - n/a, Packing Instructions - n/a, Authorization - n/a, 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.

UPS: Complete UPS forms marked "Hazardous Materials Shipping Paper" and "Shipper's Certification for Hazardous Materials" with the following information: Shipping name - Consumer Commodity, 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:

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. Add a class 9 diamond label to outer carton, mark ID# 8000 below consumer commodity, and write

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"PACKING INSTRUCTIONS 910" on side of box..Tape all seems.
For further information refer to IATA regulations, or phone M.G.
Chemicals technical service at 1-800-201-8822

Sea - All Sizes

Shipping Name - Aerosols / Flammable, Class 2.1, UN1950,
Packing Group - n/a, Vessel Storage - stow clear of living
quarters, stow away from sources of heat, may be stowed on
deck or under deck on a cargo or a passenger vessel. Mark on
box: Aerosols / Flammable, UN1950, packing instructions: Y203.
Apply a Class 2.1 flammable compressed gas diamond label to
outer carton. Each box not to exceed 30 kg gross weight. Tape
all seems. 24 hour Emergency response - 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:

841-900mL 900mL (0.25Gal) Liquid*
841-340G 340g (12oz) Aerosol Can

* (See Super Shield Conductive Coating Liquid)

Technical Support: MG Chemicals
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