



# 16-501 Zinc Spray

## Data Sheet

### 1. Product Description

3M™ 16-501 Zinc Spray is a dispersion of fine powdered 97% pure zinc in petroleum distillates, used to inhibit rust and corrosion of metal surfaces.

#### Features:

- Non-corrosive
- Controlled drying
- Non CFC
- Halogen free
- Easy application by aerosol spray
- Meets Mil-P-21035, Mil-P26915C, Mil-P-46105
- Comparable to hot dip galvanizing (at 0.0015 inch thickness)

### 2. Applications

Protects metal (iron or steel) from corrosion during long term exposure to corrosive environments. Use on electrical generation, transmission and distribution equipment including towers, transformers, light standards and other metal and galvanized surfaces.

**Warning!** This product is flammable. Do not use on energized equipment.

Other precautionary and first aid information for this product may be found in its Material Safety Data Sheet and on the product container.

### 3. Data

#### Physical Properties

<u>Property</u>	<u>Results</u>
• Color	Gray
• Flash Point (T.C.C.)	-156°F/-104°C (propellant) to 24°F/-4.5°C (solvent)
• LEL	0.9% by vol.
• UEL	approx. 10% by vol.

### 4. Characteristics and Test Data

Tests run on 3M 16-501 zinc spray show that it effectively protects metals from corrosion.

### 5. Application Techniques

The aerosol container makes 3M 16-501 zinc spray easy to use. Clean surface thoroughly. Apply directly to dry metal or galvanized surface and not over paint or coatings.

### 6. Directions for Use

DO NOT SHAKE CAN UP AND DOWN

1. Turn can upside down. Hit sides while rotating can in 1/4 turns until ball breaks loose.
2. Hold can and swing in a circle until ball travels freely.
3. Repeat after each minute of use.
4. Hold can 8-10 inches from surface and apply evenly.
5. To prevent clogging, clear the valve by holding can upside down and spraying until only clear gas comes out.

### 7. Maintenance

3M 16-501 zinc spray does not plug aerosol nozzles or sputter and drip when sprayed. Hold the can in upright position and push the nozzle all the way down when spraying.

Store product at temperatures below 120°F/49°C for maximum life.

### 8. Availability

3M 16-501 zinc spray is available in 16 fl. oz. can size with 12 cans per case and may be purchased from your local electrical distributor.

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#### **IMPORTANT NOTICE**

Before using this product, you must evaluate it and determine if it is suitable for your intended application. You assume all risks and liability associated with such use.

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