



## VCI EMITTING SYSTEMS & ELECTRONIC PRODUCTS

# *ElectriCorr*<sup>®</sup> VpCI<sup>™</sup>-238 Multi-Metal Cleaner/Protector



### PRODUCT DESCRIPTION

Designed for use in a sheltered environment, *ElectriCorr*<sup>®</sup> VpCI<sup>™</sup>-238's continuous Vapor phase Corrosion Inhibitor<sup>™</sup> action saves money by extending product life and eliminating down-time due to corrosion. *ElectriCorr*<sup>®</sup> VpCI<sup>™</sup>-238 forms a molecular film effective against aggressive environments, including industrial, marine and tropical climates. This film does not alter the electrical resistance, optical or magnetic properties. *ElectriCorr*<sup>®</sup> VpCI<sup>™</sup>-238 can be safely applied for protection of even low-voltage circuits or relays without causing any changes in conductivity. It can be safely used with plastics, elastomers and other non-metallics. In addition to corrosion protection, *ElectriCorr*<sup>®</sup> VpCI<sup>™</sup>-238 is an excellent contact cleaner of oils, grime and other contaminants.

*ElectriCorr*<sup>®</sup> VpCI<sup>™</sup>-238 is an effective inhibitor of galvanic corrosion for most metals and alloys normally found in electronics applications, such as aluminum, copper, ferrous and non-ferrous metals. *ElectriCorr*<sup>®</sup> VpCI<sup>™</sup>-238 is non-conductive and free of CFCs and 1,1,1-Trichlorethane. Application provides instant

corrosion protection. In cases where severe corrosion may occur, *ElectriCorr*<sup>®</sup> VpCI<sup>™</sup>-238 can be used along with a VpCI<sup>™</sup> emitter device for extended protection.

### FEATURES

- Instant corrosion protection
- Long-term protection
- Minimized field service
- Increased corrosion protection at a lower cost than conventional rust preventives
- CFC- and 1,1,1-Trichlorethane-free
- Vapor phase protection in vented or unvented enclosures
- May be used as a cleaning agent
- Moisture-displacing and penetrating film characteristics

### TYPICAL APPLICATIONS

- Printed circuit boards
- Electrical contacts and components
- Electric motors
- Protects copper bearings, ferrous and non-ferrous metals, aluminum, etc.
- Can be used in contact with engineering plastics, elastomers and other non-metallics
- Generators and junction boxes
- Spray for use after final assembly or in the field

### INDEPENDENT TESTING

*ElectriCorr*<sup>®</sup> VpCI<sup>™</sup>-238 has been tested by a world-renowned laboratory under accelerated conditions per the Batelle Flowing Mixed Gas Test in a Class III environment. The results showed excellent protection for multimetals equivalent to a 7-year protection interval in an indoor electronics environment.



**APPLICATION**

- Spray a very light mist over the area needing protection in a "Z" pattern
- Application of a heavy mist will result in a heavy film that sags and remains wet
- More is not necessarily better and could cause fouling or other complications of electrical connections

Application is effective for 6+ months with proper controls.

**PACKAGING AND STORAGE**

*ElectriCorr*® VpCI™-238 aerosol spray is available in cartons of six 9.45 oz. (267.75 gram) cans. *ElectriCorr*® VpCI™-238 should be kept from high temperatures and in normal warehouse conditions to prevent from freezing. *ElectriCorr*® VpCI™-238 has a shelf-life of 3+ years in sealed packages.

**PHYSICAL PROPERTIES OF LIQUID**

Appearance                      Clear slightly yellow liquid  
 Non-volatile Content        7-10%  
 Density                            6.5-6.8 lb/gal (0.78-0.81 kg/l)

Resistance Change of Applied Mist	
Time (Minutes)	Resistance (ohms)
Initial	Over 20 megohms
Immediate	7.83 megohms
1 minute	8.71 megohms
2 minutes	10.96 megohms
3 minutes	12.36 megohms
4 minutes	14.40 megohms
120 minutes	Over 20 megohms

**FOR INDUSTRIAL USE ONLY**

**KEEP OUT OF REACH OF CHILDREN**

**NOT FOR INTERNAL CONSUMPTION**

**CONSULT MATERIAL SAFETY DATA SHEET FOR MORE INFORMATION**

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