



## VpCI™ METALWORKING PRODUCTS

# VpCI-337 F



### PRODUCT DESCRIPTION

VpCI-337 F is a ready-to-use, FDA/USDA approved, solvent-based corrosion inhibitor for indoor use. Vapor phase inhibitors in VpCI-337 F migrate and protect metal surfaces, resulting in time and cost savings. VpCI-337 F is used to protect edges of coils and stacks. With VpCI-337 F, very little product is needed to protect large areas or volumes. It is effective on ferrous metals as well as aluminum and plated steels. VpCI-337 F is consistently successful in providing protection to the basic metals, metalworking and packaging industries.

Products protected by VpCI-337 F are always ready-to-use. No degreasing or stripping is necessary by one end user. The metal will retain a clean, rust-free surface. The thin, protective film has been proven not to affect paintability, conductivity, appearance or any other important property of metals or alloys.

VpCI-337 F is approved for use on steel or tinplate in food packaging by the Food and Drug Administration. VpCI-337 F's ingredients are further approved by the United States Department of Agriculture for use on packaging material with direct contact with meat and poultry food products.

### TYPICAL APPLICATIONS

- In-process protection
- Edge spray of coils and sheet stock

- Void spaces
- Double wall void spaces
- Tin can storage (337°F / 169°C)

### FEATURES

- Contains vapor phase inhibitors which provide multimetal corrosion protection
- Leaves a thin, self-healing film that is environmentally approved for use
- Ready-to-use
- Protection is immediate, convenient to apply and easy to remove if required
- Gives up to 12 months indoor protection
- Contains FDA and USDA approved ingredients for use on tinplate, aluminum and other metal products used in food processing or packaging

### METALS PROTECTED

- Hot-/cold-rolled steel
- Cast iron
- Silicon steel
- Stainless steel
- Zinc
- Aluminum
- Tinplate

### PHYSICAL PROPERTIES

|                      |  |
|----------------------|--|
| Appearance           | Clear to hazy amber liquid                             |
| Carrier              | Ethanol  |
| Coverage             | 420-840 ft <sup>2</sup> /gal (10-21 m <sup>2</sup> /l) |
| Film type            | Thin, soft film  |
| Film Thickness       | 0.25-0.5 mil<br>(6.25-12.5 microns)                    |
| Flash Point          | 80°F (27°C)  |
| Non-volatile Content | 12-14%   |
| pH                   | 7-8 (Neat)   |
| Density              | 7.6-7.8 lb/gal.<br>(0.91-0.93 kg/l)                    |



**CORTEC**  
CORPORATION

Environmentally Safe VpCI™/MCI® Technologies

## APPLICATION

Coils, stack and sheets are readily protected with easy-to-apply, effective and long-lasting VpCI-337 F. Spray a fine mist of VpCI-337 F uniformly on laps and edges. The unique vapor action will protect the interior surfaces that are subject to attack by moisture. VpCI-337 F does not interfere with sensitive painting, lithographing or welding processes. All grades of cold and hot-rolled steel, aluminum, black and tinplate, silicone, electrical, aluminized and precoated steels can be treated with VpCI-337 F. VpCI-337 F can also be applied in-process for corrosion protection between pickling and annealing, after temper rolling, and after quenching, drawing, stamping, slitting, hydrotesting and other processes.

Fog or mist VpCI-337 F concentrate into containers, boxes, crates and shrouded packages at a rate of 1 pint (0.4 liter) for every 50 ft<sup>3</sup> (1.4 m<sup>3</sup>) of enclosed space. Spray on cardboard, wood pallets, closed and open cell foams, metal container and other packaging materials. Always spray VpCI-337 F uniformly within enclosure and allow direct access of vapors to metal surfaces to be protected.

## PACKAGING AND STORAGE

VpCI-337 F is available in 5 gallon (19 liter) plastic pails, 55 gallon (208 liter) metal drums, liquid totes and bulk. Shelf life is 24 months.

Minimum storage temperature: 32°F(0°C)  
Maximum storage temperature: 120°F (49°C)

## FOR INDUSTRIAL USE ONLY

## KEEP OUT OF REACH OF CHILDREN

## NOT FOR INTERNAL CONSUMPTION

## CONSULT MATERIAL SAFETY DATA SHEET FOR MORE INFORMATION

### LIMITED WARRANTY

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