



## VpCI™ METALWORKING PRODUCTS

# VCI-338

### PRODUCT DESCRIPTION

VCI-338 is a ready-to-use waterborne corrosion inhibitor for indoor use based on field-proven vapor phase technology. Vapor phase inhibitors in VCI-338 migrate and protect metal surfaces, resulting in time and cost savings. The major uses of VCI-338 are edge treating of coils and stacks or fogging of packages and containers. These labor saving techniques use a minimum of product to protect large areas or volumes. VCI-338 is particularly effective on ferrous metals, aluminum and tin-plated steels. It has been consistently successful in providing protection in wet stack and humidity testing.

Products protected by VCI-338 are ready-to-use. No degreasing or stripping is necessary by the end user. The metal will retain a clean, rust-free surface.

VCI-338 can also be used as a cleaner and degreaser. VCI-338 is accepted for use on steel or tinplate in food packaging by the Food and Drug Administration. VCI-338's ingredients are further accepted by the United States Department of Agriculture for use on packaging material in indirect contact with meat and poultry food products.

### FEATURES

VCI-338 contains vapor phase inhibitors which provide multimetal corrosion protection.

- Leaves a thin, self-healing film that is environmentally friendly
- Can be used as a cleaner/degreaser for food processing equipment and processing plants
- Protection is immediate, convenient to apply and easy to remove if required
- Does not affect the welding process
- VCI-338 contains FDA and USDA approved ingredients for use on tinplate, aluminum and other metal products used in food processing and packaging.

### TYPICAL APPLICATIONS

Coils, stacks and sheets are protected with easy to apply, effective and long-lasting VCI-338. Spray a fine mist of VCI-338 uniformly on laps and edges. The unique vapor action will penetrate the interior surfaces that are subject to attack by moisture. All grades of cold and hot-rolled steel, aluminum, tinplate and precoated steels can be treated. VCI-338 can also be applied in-process between pickling and cold rolling, and after temper rolling, quenching, drawing, stamping, slitting, wet stacking, hydrotesting and other processes. VCI-338 is also useful for fogging interiors of containers, rail cars, truck trailers, rooms and ships' hulls, etc. to achieve temporary protection of stored metal.

## TYPICAL PROPERTIES

|                      |   |
|----------------------|---|
| Appearance           | Milky white liquid                                    |
| Carrier              | Water   |
| Coverage             | 355-710 ft <sup>2</sup> /gal (8-18 m <sup>2</sup> /l) |
| Film Type            | Thin, soft film                                       |
| Film Thickness       | 0.25-0.5 mil (6.3-12.5 microns)                       |
| Flash Point          | 250°F (121°C)   |
| Freeze Point         | 32°F (0°C)  |
| Non-volatile Content | 9-13%   |
| pH                   | 10-11 (Neat)  |
| Density              | 8.2-8.4 lb/gal (0.98-1.01 kg/l)                       |
| Removal Method       | Water or alkaline cleaners<br>(Cortec VCI-410 series) |

## PACKAGING AND STORAGE

VCI-338 is packaged in 5 gallon (19 liter) plastic pails, 55 gallon (208 liter) metal drums, 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**

**KEEP CONTAINER TIGHTLY CLOSED**

**NOT FOR INTERNAL CONSUMPTION**

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

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