



VpCI® METALWORKING PRODUCTS

Ecofog® VpCI®-337 Biodegradable Fluid



PRODUCT DESCRIPTION

Ecofog® VpCI®-337 is a ready-to-use waterborne vapor corrosion inhibitor for temporary protection of equipment and plants. It is a complete replacement for nitrogen blanketing and dry air systems that are both expensive to install and maintain. Nitrogen blankets are also a health hazard to personnel entering the interiors. Vapor phase Corrosion Inhibitors (VpCIs) in Ecofog® VpCI®-337 migrate and protect metal surfaces, resulting in time and cost savings. The Ecofog® VpCI®-337 is used to fog void spaces, tanks, containers, packages, and enclosures. These labor-saving techniques use a minimum of product to protect large areas or volumes. Ecofog® VpCI®-337 is effective on ferrous and non-ferrous metals as well as aluminum, plated steels, and copper. Ecofog® VpCI®-337 is consistently successful in providing protection to the basic metals, metalworking, and packaging industries.

In most cases, products protected by Ecofog® VpCI®-337 are ready-to-use. No degreasing or stripping is necessary by most end users. The metal will retain a clean, rust-free surface. In most cases, the thin protective film will not affect paintability, conductivity, appearance, or any other important property of metals or alloys.

Ecofog® VpCI®-337 is also available in a cold weather version. Ecofog® VpCI®-337 Winterized has a lower freezing point for the convenience of application and storage in cold temperatures.

FEATURES

- Biodegradable (87% biodegradation in 28 days)
- Contains vapor phase inhibitors which provide multimetal corrosion protection
- Leaves a thin, self-healing film that is environmentally safe for use
- Ready-to-use
- Protection is immediate, convenient to apply, and easy to remove if required

TYPICAL APPLICATIONS

- Fogging
- Into void spaces
- Double wall void spaces

TYPICAL PROPERTIES

Ecofog® VpCI®-337

Appearance	Clear to hazy amber liquid
Carrier	Water
Coverage	935-1870 ft ² /gal (23-46 m ² /l)
Film Type	Thin, soft film
Flash Point	>200°F (93°C)
Freeze Point	32°F (0°C)
Non-volatile Content	32-38%
pH	8.4-8.8 (neat)
Weight per Gallon	8.7-8.9 lb/gal (1.04-1.06 kg/l)

Ecofog® VpCI®-337 Winterized

Carrier	Water + Ethylene Glycol
Freeze Point	-26°F (-32°C)
Non-volatile Content	20-26%
pH	8.0-8.6 (neat)
Weight per Gallon	8.8-9.2 lb/gal (1.05-1.10 kg/l)

Note: Product may become hazy after a few days.



METALS PROTECTED

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

APPLICATION

Material Handling:

Fog or mist without dilution into containers, boxes, crates, and shrouded packages at a rate of 1 oz./ft³ (1 L/m³) of enclosed space. Spray on cardboard, wood pallets, closed and open cell foams, and other packaging materials. Always spray Ecofog® VpCl®-337 uniformly within enclosure and allow direct access of vapors to metal surfaces to be protected.

Product Preparation:

Mix thoroughly if separation or settling has occurred.

Methods for Monitoring Solution:

Refractometer, pH

Dry Time:

Ecofog® VpCl®-337	<45 minutes
Ecofog® VpCl®-337 Winterized	3 hours

Product Cleanup:

Use soap and water to clean equipment.

FOR INDUSTRIAL USE ONLY
KEEP OUT OF REACH OF CHILDREN
KEEP CONTAINER TIGHTLY CLOSED
NOT FOR INTERNAL CONSUMPTION
CONSULT SAFETY DATA SHEET FOR MORE INFORMATION

PACKAGING AND STORAGE

Ecofog® VpCl®-337 is packaged in 5 gallon (19 liter) plastic pails, 55 gallon (208 liter) metal drums, totes, and bulk.

Minimum storage temperature: 12°F (-12°C)
Maximum storage temperature: 120°F (49°C)

Ecofog® VpCl®-337 Winterized is packaged in 5 gallon (19 liter) plastic pails, 55 gallon (208 liter) metal drums, totes, and bulk.

Minimum storage temperature: -26°F (-32°C)
Maximum storage temperature: 120°F (49°C)

Shelf life is 24 months.

LIMITED WARRANTY

All statements, technical information and recommendations contained herein are based on tests Cortec® Corporation believes to be reliable, but the accuracy or completeness thereof is not guaranteed.

Cortec® Corporation warrants Cortec® products will be free from defects when shipped to customer. Cortec® Corporation's obligation under this warranty shall be limited to replacement of product that proves to be defective. To obtain replacement product under this warranty, the customer must notify Cortec® Corporation of the claimed defect within six months after shipment of product to customer. All freight charges for replacement products shall be paid by customer.

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CORTEC
CORPORATION

Environmentally Safe VpCl®/MCI® Technologies

4119 White Bear Parkway, St. Paul, MN 55110 USA
Phone (651) 429-1100, Fax (651) 429-1122
Toll Free (800) 4-CORTEC, E-mail info@cortecvci.com
<http://www.cortecvci.com>

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