



Ecofog® VpCI®-337 Biodegradable Fluid



PRODUCT DESCRIPTION

Ecofog VpCI-337 is a ready-to-use waterborne vapor corrosion inhibitor used primarily for robust preservation of internal void spaces. 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. The Vapor phase Corrosion Inhibitors (VpCI) 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 approved for use
 - Ready-to-use
 - Protection is immediate, convenient to apply, and easy to remove if required
- * Testing results apply to VpCI-337 only (not Winterized)

TYPICAL APPLICATIONS

- Void space protection
- Edge spring for coils
- Double wall spaces
- Complex internal cavities
- Deep storage of key assets
- Pipe, spool, modules
- Post-weld touch-up



METALS PROTECTED

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

TYPICAL PROPERTIES

Ecofog VpCl-337

Appearance	Clear to hazy amber liquid
Carrier	Water
Film Type	Thin, soft film
Flash Point	>200°F (-12°C)
Freeze Point	12°F (-12°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 VpCl-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.

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

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.

PACKAGING AND STORAGE

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

EcoAir® VpCl-337 fogger is available in 12 oz. (340g) compressed air cans.

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

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