



VpCI® METALWORKING PRODUCTS

VpCI®-337/337 Winterized



PRODUCT DESCRIPTION

VpCI-337 is a ready-to-use waterborne corrosion inhibitor for indoor use. Vapor phase corrosion inhibitors in VpCI-337 migrate and protect metal surfaces, resulting in time and cost savings. The VpCI-337 is used to protect edges of coils and stacks or to fog void spaces, tanks, containers, packages, and enclosures. These labor-saving techniques use a minimum of product to protect large areas or volumes. VpCI-337 is effective on ferrous and non-ferrous metals as well as aluminum, plated steels, and copper. VpCI-337 is consistently successful in providing protection to the basic metals, metalworking, and packaging industries.

Products protected by VpCI-337 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 is also available in a cold weather version. 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
- Gives up to 12 months indoor protection

TYPICAL APPLICATIONS

- In-process protection
- Edge spray of coils and sheet stock
- Into void spaces
- Double wall void spaces
- Fogging

TYPICAL PROPERTIES

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
Film Thickness	0.25-0.5 mil (6.3-12.5 microns)
Flash Point	>200°F (93°C)
Freeze Point	12°F (-12°C)
Non-volatile Content	28-33%
pH	8.2-8.7
Weight per Gallon	8.7-8.9 lb/gal (1.04-1.06 kg/l)

VpCI-337 Winterized

Carrier	Water + Ethylene Glycol
Freeze Point	-26°F (-32°C)
Non-volatile Content	20-26%
pH	8.0-8.3
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 pint (0.4 liter) for every 50 cubic feet (1.4 m³) of enclosed space. Spray on cardboard, wood pallets, closed and open cell foams, and other packaging materials. Always spray VpCI-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:

VpCI-337 Refractometer, pH
VpCI-337 Winterized pH

Dry Time:

VpCI-337 <45 minutes
VpCI-337 Winterized 3 hours

Product Cleanup:

Use soap and water to clean equipment.

PACKAGING AND STORAGE

VpCI-337 is packaged in 10-14 oz. net wt. (284-397g) recyclable aluminum cans (12/carton), 5 gallon (19 liter) plastic pails, 55 gallon (208 liter) metal drums, totes, and bulk.

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

Minimum storage temperature:

VpCI-337 12°F (-12°C)
VpCI-337 Winterized -26°F (-32°C)

Maximum storage temperature: 120°F (49°C)

Shelf life is 24 months.

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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