



# VpCI®-329 F



## PRODUCT DESCRIPTION

VpCI-329 F is a USDA (US Department of Agriculture) accepted oil-based concentrate for use as an additive to lubricating and hydraulic oils or as a ready-to-use corrosion preventive fluid. VpCI-329 F protects in two unique ways. First, oil-soluble corrosion inhibitors offer a tenacious film which clings to metal surfaces, providing excellent contact corrosion protection. In addition to this film barrier, Cortec VpCIs release vapor phase corrosion inhibitors into the air that attach electrochemically to the metal surface.

## FEATURES

- Performs effectively even under the adverse conditions of 100% relative humidity and in the presence of such corrosive species as chlorides
- High flash and fire points
- Contains no hazardous chromates, nitrites, or phosphate inhibitors
- VpCI-329 F is easily diluted with lubricating, hydraulic, and preservative oils approved for food plants
- Provides universal protection to ferrous and nonferrous metals
- Non-toxic and thermally stable, providing long-lasting contact and vapor phase corrosion protection
- VpCI-329 F is a special version of VpCI-329, which has been accepted by the USDA "for use on packaging materials in indirect contact with meat or poultry" Conforms to FDA regulation, CFR 178.3300 Corrosion inhibitors used for steel or tinplate; for indirect food contact.

## METHOD OF APPLICATION

Dilute VpCI-329 F with lubricating, hydraulic, or preservative oil. Can also be sprayed, dipped, or brushed onto surfaces.

Short-term protection (up to 6 months):  
1 part VpCI-329 F to 20 parts oil.

Medium-term protection (up to 12 months):  
1 part VpCI-329 F to 10 part oil.

Long-term protection (up to 24 months):  
1 part VpCI-329 F to 5 parts oil.

## TYPICAL PROPERTIES

Appearance	Clear to slightly hazy pale yellow liquid
Odor	Sweet
Carrier	White mineral oil
Coverage	960-1450 ft <sup>2</sup> /gal (24-36 m <sup>2</sup> /l)
Drying Time	Remains tacky
Film Thickness (dry film)	1-1.5 mils (25-37.5 microns)
Film type	Oily
Flash Point	>212°F (>100°C)
Non-volatile Content	90-100%
Removal Method	Petroleum solvents/alkaline cleaners (VpCI-419)
Density	7.1-7.3 lb/gal.(0.85-0.87 kg/l)

## PACKAGING AND STORAGE

VpCI-329 F is available in 5 gallon (19 liter) plastic pails, 55 gallon (208 liter) metal drums, liquid totes, and bulk. VpCI-329 F should be stored sealed. Agitate before each use. The shelf life is 24 months in sealed drums.



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

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