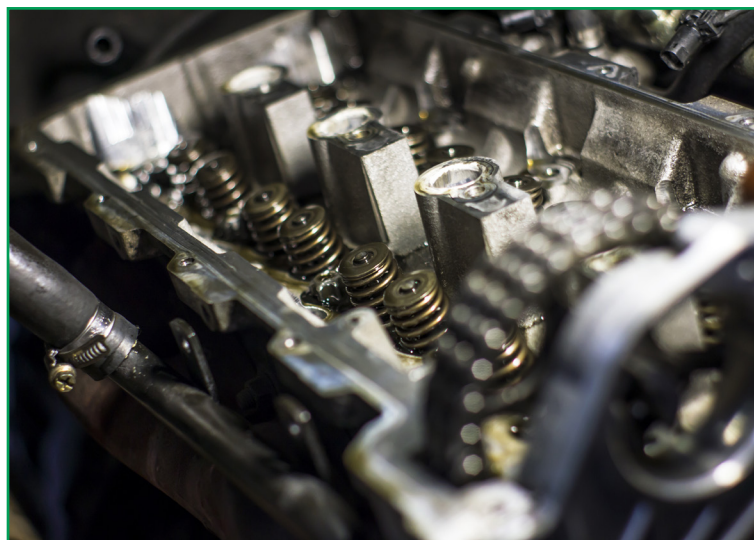


VpCI® METALWORKING PRODUCTS

# VpCI®-329



## PRODUCT DESCRIPTION

VpCI®-329 is an oil-based vapor corrosion inhibiting concentrate for use with lubricating, hydraulic, and preservation oils, and provides excellent protection in sheltered outdoor/indoor conditions. VpCI®-329 protects in two unique ways by offering a tenacious film, which clings to metal surfaces as well as vapor phase inhibitors into the air above the oil. The vapors condense and form a protective barrier on metal surfaces that are not in contact with the oil. This combination allows complete protection to internal system parts.

## FEATURES

- Contains no hazardous chromates, nitrites, or phosphate inhibitors
- High flash and fire points
- Protects ferrous metals, zinc, galvanized steel, aluminum, copper, and brass.
- Compatible with most oils
- Can be fogged into metal compartments
- Parts can be dipped and stored
- VpCI®-329 provides good salt spray resistance
- NATO #6850-66-132-6100 / NSN #6850-01-470-3359
- VpCI®-329 is commercial equivalent to MIL-PRF-46002C (Grade 1)

## METHOD OF APPLICATION

*Short-term protection:* One part VpCI®-329 to 19 parts oil.

*Medium-term protection:* One part VpCI®-329 to 9 parts oil.

*Long-term protection:* One part VpCI®-329 to 4 parts oil.

*Storing metal parts:* Spray, dip, or brush VpCI®-329 onto metal parts before storage.

*Storage for lubricating, hydraulic, and metal cutting systems:* Add Cortec® VpCI®-329 to oil in engines before storage. For best results, add VpCI®-329 to the oil, then cycle or run the engine for 10 minutes before shutdown.

## TYPICAL PROPERTIES

Oil Characteristics	Typical Values	
<b>Appearance</b>	Opaque Tan Color	
<b>Specific Gravity</b>	0.91	
<b>Viscosity (ASTM D92)</b>	40 °C	51.4 cSt
	100 °C	8.1 cSt
	Index	129
<b>Pour Point (ASTM D6749)</b>	-37 °C (-35 °F)	
<b>Flash Point (ASTM D92)</b>	164 °C (326 °F)	
<b>Fire Point (ASTM D92)</b>	164 °C (328 °F)	
<b>Total Acid Number (ASTM D974)</b>	mg KOH/g	26.9
<b>Oil Separability (ASTM D1401) @ 82°C (180°F)</b>	Oil, ml	0
	Water, ml	0
	Emulsion, ml	80
	Time, min	60
<b>Foaming Characteristics (ASTM D892)</b>	Seq. I	365/290/600+
	Seq. II	435/350/600+
	Seq. III	340/260/600+

Properties listed above are typical of those obtained through normal production and do not constitute a specification. VpCI®-329 is generally soluble in hydrocarbon based fluids, however compatibility and solubility should be verified prior to use. Please contact Cortec® Technical Service for more information.



## STANDARD TEST METHODS

ASTM D-1748	Humidity Cabinet	600+ Hours
ASTM B117	Salt Spray	100 Hours

## PACKAGING AND STORAGE

VpCI®-329 is packaged in 5 gallon (19 liter) plastic pails, 55 gallon (208 liter) metal drums, totes, and bulk. The product should be sealed before storage. Agitate before each use. The shelf life of VpCI®-329 is up to 24 months.

**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**

### 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.

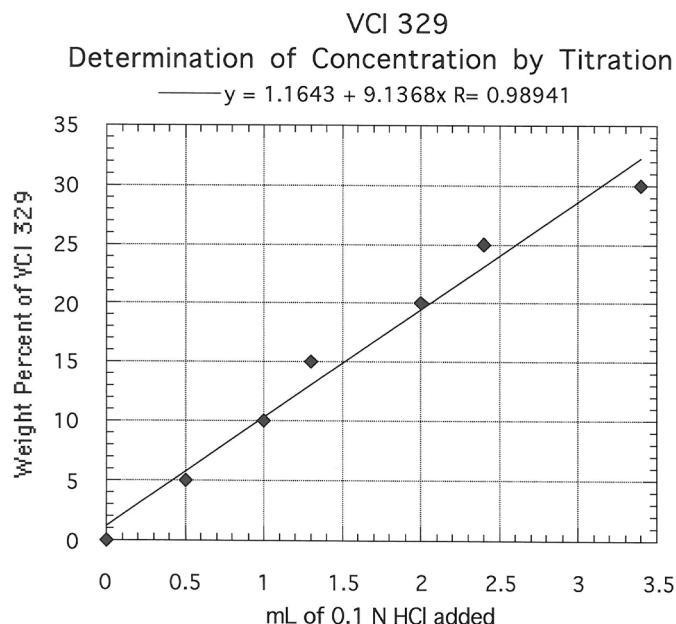
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4119 White Bear Parkway, St. Paul, MN 55110 USA  
Phone (651) 429-1100, Fax (651) 429-1122  
Toll Free (800) 4-CORTEC, E-mail [info@cortecvci.com](mailto:info@cortecvci.com)  
<http://www.cortecvci.com>

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**Valdamark Ltd**  
Unit 13,  
30 The Downs,  
Altrincham, Cheshire, WA14 2PX,  
United Kingdom.  
[info@valdamarkdirect.com](mailto:info@valdamarkdirect.com)  
Tel: +44 (0) 161 706 0388