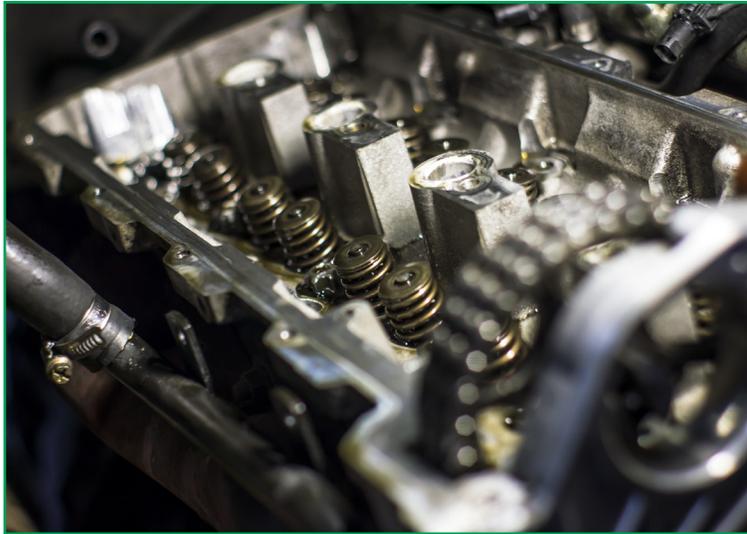


VpCI® METALWORKING PRODUCTS



# VpCI®-329 / VpCI®-329 UV



## PRODUCT DESCRIPTION

VpCI®-329 is an oil-based vapor corrosion inhibiting concentrate for use with lubricating, hydraulic, and preservation oils. It 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, and 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 structure of parts.

VpCI®-329 also comes with a UV tracer, as VpCI®-329 UV. VpCI®-329 UV shows a bright blue color under UV light (black light), making quality assurance and inspection of rust preventative particularly convenient.

## FEATURES

- Contains no hazardous chromates, nitrites, or phosphate inhibitors
- Protects ferrous metals, zinc, galvanized steel, aluminum, copper, and brass
- Zinc-free
- Compatible with most mineral oils and PAO based fluids
- Can be fogged into metal compartments
- Parts can be dipped and stored
- NATO #6850-66-132-6100 / NSN #6850-01-470-3359

## METHOD OF APPLICATION

*Short-term protection:* One part VpCI®-329 to 20 parts oil.

*Medium-term protection:* One part VpCI®-329 to 10 parts oil.

*Long-term protection:* One part VpCI®-329 to 5 parts oil.

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

• Same for VpCI®-329 UV.

*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. After storage, the engine can be normally operated.

\* Agitate before use.

## 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>		163°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.

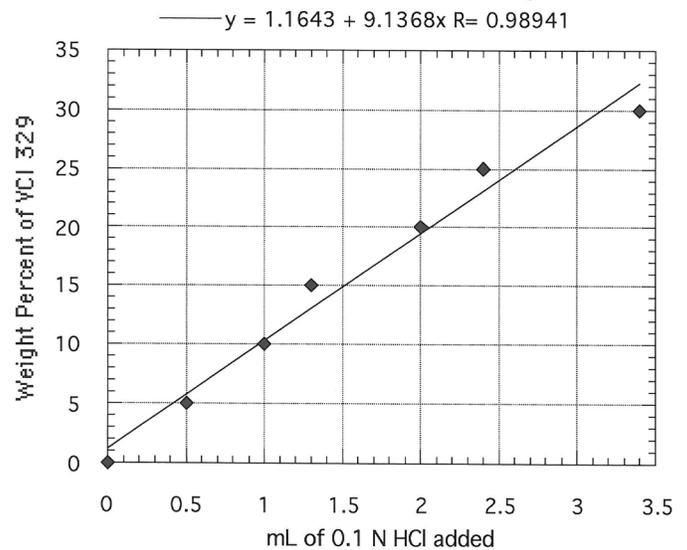
## STANDARD TEST METHODS

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

## PACKAGING AND STORAGE

VpCl®-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 VpCl®-329 is up to 24 months.

## VCI 329 Determination of Concentration by Titration



**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**

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