



## VpCI™ METALWORKING PRODUCTS

# VpCI™ -329

### PRODUCT DESCRIPTION

VpCI-329 is a vapor corrosion inhibiting oil-based concentrate for use with lubricating, hydraulic and preservation oils. VpCI-329 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, brass, cadmium and silver
- Zinc-free
- 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 conforms to MIL-PRF-46002C(1), MIL-I-85062 (Additives to oils) and MIL-PRF-16173E (Grade 1&2)

### 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.

*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. There is no need to remove VpCI-329 from an operating engine.

### TYPICAL PROPERTIES

Appearance	Tan to brown viscous liquid
Carrier	Light naphthenic oil
Corrosion Resistance	Up to 60 months
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	295°F (146°C)
Non-volatile Content	87-92%
Pour Point	-30°F (-34°C)
Removal Methods	Petroleum solvent cleaner/ alkaline cleaners (VpCI-416/ VpCI-419)
Viscosity	100-700 cps
Density	7.4-7.7 lb/gal (0.89-0.92 kg/l)

### 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.



**CORTEC**  
CORPORATION

Environmentally Safe VpCI™/MCI® Technologies

**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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