



VpCI™ METALWORKING PRODUCTS

VpCI-325



PRODUCT DESCRIPTION

VpCI-325 is a safe, convenient, ready-to-use vegetable oil/solvent-based liquid for general purpose corrosion protection in a wide variety of applications. Some of these include protection of sheet metals, wire, pipes, flanges and other fabricated and/or machined parts, guns and a host of other products. VpCI-325 protects against corrosion and works as an excellent lubricant. VpCI-325 performs effectively even under the adverse condition of 100% relative humidity and in the presence of such corrosive elements as chlorides, hydrogen sulfide and other sulfur compounds.

VpCI-325 is based on a vegetable derived, biodegradable oil. VpCI-325 forms a film on the metal surface and protects in two ways: first, oil-soluble safe corrosion inhibitors offer a tenacious film which clings to metal surfaces. In addition to this filming barrier, VpCIs (Vapor phase Corrosion Inhibitors) are released into the air above the oil. These vapors condense and form a protective barrier on surfaces not contacted by the liquid product. The combined action provides complete protection for internal system parts. VpCI-325 also provides dependable and complete water displacement from the metal surface to prevent corrosion, and quickly eliminates moisture-induced short circuits.

FEATURES

- Environmentally friendly
- Provides universal corrosion protection for ferrous metals, galvanized steel, aluminum, brass, copper, babbitt, zinc, cadmium and silver
- Loosens frozen and rusted metal parts, making them easy to remove
- Conforms to MIL-C-81309E

TYPICAL APPLICATIONS

VpCI-325 is excellent for:

- Maintenance
- Lubrication
- Temporary storage - spray a light coating on flat metal before or after metalworking
- Small or complex metal parts - spray on or dip in
- General surface treatment - spray, dip or brush surfaces to be protected for up to 24 months
- Home repairs of squeaky items
- Rifles, shotguns and handguns

TYPICAL PROPERTIES

Appearance	Tan to light brown slightly viscous liquid
Film Type	Oily
Flash Point	170°F (77°C)
Removal Methods	Alkaline cleaners and solvents (VpCI-416/VpCI-419)
Density	6.8-7.0 lb/gal (0.82-0.84 kg/l)
Non-volatile Content	33-38%



CORTEC
CORPORATION

Environmentally Safe VpCI™/MCI® Technologies

PACKAGING AND STORAGE

VpCI-325 is packaged in Eco Spray 16 FL (473 ml), 5 gallon (19 liter) pails, 55 gallon (208 liter) metal drums, liquid totes and bulk. The product should be stored sealed. Agitate before each use. Shelf life is up to 24 months.

PROTECTION PROPERTIES

VpCI-325 displaces water as effectively as a leading lubricating rust preventive (r.p.) oil while providing much better protection against corrosion.

Time Before Corrosion								
	Salt Spray (Days) ASTM B-117			Humidity Test (Days) ASTM D-1748			Cyclic Ultraviolet/ Humidity Exposure (Days) ASTM G-53	Water Displacing Per MIL-C- 83933
	Carbon Steel	Aluminum	Copper	Cast Iron	Aluminum	Copper	Carbon Steel	
VpCI-325 Leading Lubricating/ r.p. Oil	5	15+	5	10+	50+	50+	20+	Pass
	5	15+	3	1	50+	50+	12	Pass

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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