



VpCI® METALWORKING PRODUCTS



# VpCI®-325



## PRODUCT DESCRIPTION

VpCI-325 is a 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 that performs effectively, even under the adverse condition of high 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. VpCI-325 also provides dependable and complete water displacement from the metal surface to prevent corrosion.

## FEATURES

- Provides universal corrosion protection for ferrous metals, galvanized steel, aluminium, brass, copper, babbitt, zinc, cadmium and silver
- Loosens frozen and rusted metal parts, making them easy to remove

## 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®-418 LM)
Density	6.8-7.0 lb/gal (0.82-0.84 kg/l)
Non-volatile Content	33-42%

## PACKAGING AND STORAGE

VpCI®-325 is packaged in Eco Spray® 16 fl. oz. (473 ml) bottles, 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			Water Displacing Per MIL-C-83933
	Carbon Steel	Aluminum	Copper	Cast Iron	Aluminum	Copper	
VpCI-325	5	15+	5	10+	50+	50+	Pass
Leading Lubricating/ R.P. Oil	5	15+	3	1	50+	50+	Pass

## STANDARD TEST METHODS

ASTM D-1735	Water Fog Cabinet
ASTM D-1748	Humidity Cabinet
MIL-L-63460	Lubricant, Cleaner, and Preservative for Weapons and Weapon Systems
MIL-C-83993	Water Displacement
NACE RP0487-2000	Selection of Rust Preventives

**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.

Cortec® Corporation warrants Cortec® products will be free from defects when shipped to customer. Cortec® Corporation's obligation under this warranty shall be limited to replacement of product that proves to be defective. To obtain replacement product under this warranty, the customer must notify Cortec® Corporation of the claimed defect within six months after shipment of product to customer. All freight charges for replacement products shall be paid by customer.

Cortec® Corporation shall have no liability for any injury, loss or damage arising out of the use of or the inability to use the products.  
 BEFORE USING, USER SHALL DETERMINE THE SUITABILITY OF THE PRODUCT FOR ITS INTENDED USE,

AND USER ASSUMES ALL RISK AND LIABILITY WHATSOEVER IN CONNECTION THEREWITH. No representation or recommendation not contained herein shall have any force or effect unless in a written document signed by an officer of Cortec® Corporation.

THE FOREGOING WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES, EXPRESS, IMPLIED OR STATUTORY, INCLUDING WITHOUT LIMITATION ANY IMPLIED WARRANTY OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE. IN NO CASE SHALL CORTEC® CORPORATION BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES.



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>

Printed on recycled paper  100% post consumer

Revised: 01/30/17. Supercedes: 01/24/14. ©Cortec Corporation 2002-2016 of Cortec Corporation.  
 All Rights Reserved. Copying of these materials in any form without the written authorization of Cortec Corporation is strictly prohibited. 2016, ©Cortec Corp. ISO accreditation applies to Cortec's processes only.

Supplied by: <a href="http://www.hitek-ltd.co.uk">www.hitek-ltd.co.uk</a> +44 (0)1724 851678		<b>HITEK</b> ELECTRONIC MATERIALS LTD
--	---	--