



## VpCI™ METALWORKING PRODUCTS

# VpCI®-329 Superconcentrate



### PRODUCT DESCRIPTION

VpCI-329 Superconcentrate (SC) is a vapor corrosion inhibiting oil-based concentrate for lubricating and preservative oils. VpCI-329 SC protects in two unique ways. First, oil-soluble corrosion inhibitors offer a tenacious film which clings to metal surfaces, providing excellent contact corrosion protection. In addition to this film barrier, VpCI-329 SC releases vapor phase corrosion inhibitors into the air that attach electrochemically to the metal surface.

### FEATURES

- Saves shipping and inventory expenses
- Treated oils perform effectively even under the adverse conditions of 100% relative humidity and in the presence of such corrosive species as chlorides, sulfur compounds or hydrogen sulfide
- Contains no hazardous chromates, nitrites or phosphate inhibitors
- Easily diluted with lubricating and preservative oils
- Provides universal corrosion protection to ferrous and non-ferrous metals
- Non-toxic and thermally stable, providing long-lasting corrosion and vapor phase corrosion protection
- Oils treated with VpCI-329 SC can conform to MIL-P-46002 and MIL-C-16173D (Grade 3)

### METHOD OF APPLICATION

Dilute VpCI-329 SC with naphthenic mineral oil, viscosity 95-115 SUS (40°C).

Short-term protection (up to 12 months):  
One part VpCI-329 SC to 20 parts oil.

Medium-term protection (up to 24 months):  
One part VpCI-329 SC to 10 parts oil.

Long-term protection (up to 48 months):  
One part VpCI-329 SC to 4 parts oil.

### TYPICAL PROPERTIES

Appearance	Tan to brown viscous liquid
Non-volatile Content	86-91%
Odor	Mild
pH	9.5-10.5 (1% aqueous)
Removal Method	Petroleum solvents/alkaline cleaners (Cortec® VpCI-414/419)
Density	7.8-8.0 lb/gal (0.93-0.96 kg/l)

### PACKAGING AND STORAGE

VpCI-329 SC is packaged in 5 gallon (19 liter) plastic pails, 55 gallon (208 liter) metal drums and bulk. The product should be stored sealed. The shelf life of VpCI-329 SC is up to 24 months in sealed drums.

Note: VpCI-329 SC may solidify. Heat to 95°F (35°C) to liquefy.

**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**

#### **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.



Distributed by:

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)  
Internet <http://www.cortecvci.com>