



## VpCI™ METALWORKING PRODUCTS

# EcoLine® 3220

### PRODUCT DESCRIPTION

EcoLine 3220 is an exciting addition to our biodegradable line of products made with renewable resources. EcoLine 3220 is a 100% biobased ready-to-use temporary coating. This canola oil-based product offers a tenacious film which clings to metal surfaces, providing excellent contact corrosion protection in storage and shipment. In addition EcoLine 3220 provides long lasting vapor corrosion inhibition.

Made from renewable materials and containing canola oil as a carrier, this product is environmentally safe, has excellent thermostability and has no effect on rubber, plastics or paints.

In addition EcoLine 3220 provides multimetal protection and lubricity in a variety of applications.

### FEATURES

- Complete multimetal protection
- Environmentally friendly and biodegradable
- Biobased
- Safe for users
- VOC-free
- Provides universal corrosion protection
- Combines film-forming additives with (VpCIs)
- Provides excellent anti-corrosion protection in high humidity atmospheres and chloride-containing environments
- Lubricates parts
- Good replacement for mineral oil and flammable solvents
- Low pour point (-18°C)

### TYPICAL APPLICATIONS

- Machines and equipment
- Maintenance
- Temporary coating for storage and shipment
- Wire
- Sheet metals
- Pipe
- Flanges
- Gears
- Fabricated or machined parts

### APPLICATION

EcoLine 3220 is a ready-to-use product and can be applied by dipping, spraying or brushing at many stages of metal fabrication or for storage and shipment.

### METALS PROTECTED

- Carbon steel
- Aluminum and alloys
- Copper and alloys
- Cast iron
- Galvanized steel
- Stainless steel

### TYPICAL PROPERTIES

Appearance	Clear amber liquid
Non-volatile Content	97-99%
Density	7.3-7.5 lb/gal (0.87-0.90 kg/l)
ASTM D-1748	400 hours

### STORAGE AND PACKAGING

EcoLine 3220 is packaged in 5 gallon (19 liter) pails, 55 gallon (208 liter) drums, liquid totes and bulk. The product should remain sealed during storage. The shelf life of EcoLine 3220 is up to 24 months.

**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.



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>

printed on recycled paper  100% post consumer  
Revised 2/28/08, Cortec Corporation 2008. All rights reserved. Supersedes: 12/20/00.  
© 2008, Cortec Corporation. All Rights Reserved. Copying of these materials in any form without the written authorization of Cortec Corporation is strictly prohibited.

Distributed by:

**ECORR Systems**  
a Division of Root International, Inc.  
24650 State Road 54  
Lutz, FL 33559

[sales@ecorrystems.com](mailto:sales@ecorrystems.com)  
[www.ecorrystems.com](http://www.ecorrystems.com)

Tel: 866-830-4050  
Fax: 813-264-1975