

EcoLine® Biobased Grease powered by Nano VpCI®





PRODUCT DESCRIPTION

EcoLine[®] Biobased Grease powered by Nano VpCI[®] is a multipurpose biobased grease with superior corrosion protection properties. It is formulated from vegetable oils, lithium-based thickener, extreme pressure additives, and Cortec[®] VpCI[®] corrosion inhibitors. It contains 86% USDA certified biobased content and is listed as part of the USDA BioPreferred[®] federal purchasing program.

EcoLine[®] Biobased Grease offers dual lubrication and corrosion protection for a variety of metal-to-metal applications. In addition to protecting metals through direct contact, it also protects metals in surrounding hardto-reach cavities through vapor phase corrosion inhibiting action. EcoLine[®] Biobased Grease is especially valuable for protecting and lubricating metals exposed to harsh corrosive conditions and can be used under a broad range of operating temperatures.



FEATURES

- Contains 86% USDA certified biobased content
- High dropping point allows use in a broad range of operating temperatures
- Effective for high pressure applications
- Effective corrosion protection in contact phase and in vapor phase

- Compatible with yellow metals
- Corrosion protection in extremely corrosive media

APPLICATION

Use EcoLine® Biobased Grease to lubricate and/or protect

- Metal-to-metal contact areas
- Lubricating sleeves
- Ball and roller bearings
- Vehicle/equipment chassis
- Enclosed hard-to-reach cavities

METALS PROTECTED

• Carbon steel

TYPICAL PROPERTIES

Physical Property		Typical Values
Appearance		Thick Brown Grease
Cone Penetration (ASTM D217)	Worked (x60)	237
	Unworked	258
NLGI Grade		3
Dropping Point (ASTM D566)		185 °C (365 °F)

Copper Strip Corrosion Test (ASTM D4048)	24 h @ 100 °C (212° F)	la
Rust Prevention (ASTM D5969)	5% Sea Water	Pass/Pass/Pass
Four Ball Wear (ASTM D2266)	1 h, 75 °C (167 °F), 40 kg _r , 1200 rpm	0.51 mm
Four Ball Weld (ASTM D2596)	10 sec, 25 °C (77 °F), 1800 rpm	OK Load: 300 kg _f Weld Load: 320 kg _f
Base Oil Viscosity	40 °C (104 °F)	51 cSt
	100 °C (212 °F)	10.5 cSt
Base Oil Viscosity Index		202
Base Oil Flash Point		326 °C (619 °F)
Vapor-Inhibiting Ability (German Test Method TL 8135-002)		Pass

STORAGE AND PACKAGING

This product is available in 14.5 ounce (428.8 mL) cartridges (12 per carton), 5 gallon (19 liters) pails, and 55 gallon (208 liter) drums.

Minimum storage temperature: 0° F (-18 °C)

Maximum storage temperature: 120 °F (49 °C)

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 Cortee® 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 ASSUMESALL RISKAND 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 Cortee[®] 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 http://www.cortecvci.com

Printed on recycled paper 🏠 100% post consumer

Revised: 01/16/18. Supercedes:n/a. ©Cortec Corporation 2002-2018 of Cortec Corporation. All Rights Reserved. Copying of these materials in any form without the written authorization of Cortec Corporation is strictly prohibited. 2018, ©Cortec Corp. ISO accreditation applies to Cortec's processes only. Distributed by: