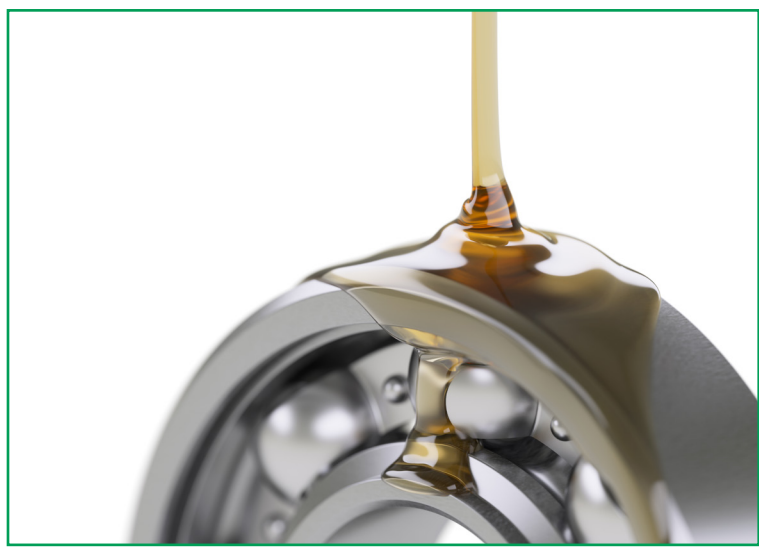




VpCI® Heavy Duty Lubricants & Greases

EcoLine® ELP



PRODUCT DESCRIPTION

EcoLine® ELP (Extreme Lubricant Penetrant) is a high performance biodegradable soy-based lubricant and penetrant for general purpose use. It is formulated from natural seed oils and select additives that offer lubricity and performance superior to conventional lubricants. Its excellent performance, biobase nature, and low environmental impact make EcoLine® ELP a highly desirable option for environmentally conscious industries.

EcoLine® ELP can be used on all types of metal for multiple purposes around the shop, plant, or home. Whether lubricating moving parts, loosening rusty bolts, or cooling/lubricating basic metal cutting operations, EcoLine® ELP serves as an excellent all-purpose lubricant for general maintenance needs.

FEATURES

- Superior lubricity and performance compared to conventional lubricants
- Made from renewable crop-based vegetable oils
- Safe for multi-metals
- Not toxic to plants
- High flash and fire points
- Chlorine-free
- Biodegradable

BENEFITS

- Protects against rust and corrosion
- Allows higher equipment operating speeds by cooling moving parts and reducing smoke
- Reduces need to stock multiple lubricants
- Deters water

APPLICATION

Apply to metal parts for

- General lubrication, penetration, and corrosion protection
- Milling, tapping, and reaming
- Cutting, grinding, and drilling
- Loosening rusty bolts
- Quieting squeaky hinges and moving parts

TYPICAL PROPERTIES

| Physical Property | Test Method | Value |
|---------------------------------|--------------|---------------|
| Appearance | Visual | Light Yellow |
| Viscosity @ 104°F (40°C) | ASTM D 445 | 40 cSt |
| Viscosity @ 212°F (100°C) | ASTM D 445 | 8.5 cSt |
| Flash Point | ASTM D 92 | 590°F (310°C) |
| Fire Point | ASTM D 92 | 658°F (348°C) |
| 4-Ball Wear, mm | ASTM D 4172 | 0.47 |
| 4-Ball Weld, kg | ASTM D 2596 | 250 |
| Pin & Vee Block Test | ASTM D 3233A | 3335 lbs |
| Pour Point | ASTM D 97 | -4°F (-20°C) |
| Rust Prevention (Distilled) | ASTM D 665 A | Pass; None |
| Rust Prevention (Syn. Seawater) | ASTM D 665 B | Pass; None |
| Base Oil Aquatic Toxicity | Daphnia | Non-Toxic |
| Base Oil Biodegradability | OECD | Pass |



STORAGE AND PACKAGING

Available in 11 oz. (312 g) aerosols, 5 gallon (19 liter) pails, 55 gallon (208 liter) drums, liquid totes, and bulk.

To avoid separation, store in a cool, dry area at 32-86 °F (0-30 °C). EcoLine® ELP should be stored in a sealed container. Exposure to high temperatures, dust, dirt, or other contaminants can severely deteriorate the quality of the product.

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.



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
<http://www.cortecvci.com>

Printed on recycled paper  100% post consumer

Revised: 08/15/18. Supercedes: 04/18/18. ©Cortec Corporation 2002-2017 of Cortec Corporation. All Rights Reserved. Copying of these materials in any form without the written authorization of Cortec Corporation is strictly prohibited. 2017, ©Cortec Corp. ISO accreditation applies to Cortec's processes only.