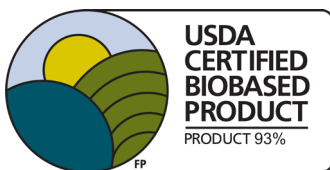


EcoLine® All Purpose Lubricant



PRODUCT DESCRIPTION

EcoLine® All Purpose Lubricant is designed for industrial, shop, and home use. It contains a friction modifier and extreme pressure additive. It is safe for use on all metals and most plastics. EcoLine® All Purpose Lubricant is perfect for both indoor and outdoor applications.

EcoLine® products are based on soybean derivatives and soybean methyl esters. Methyl esters are used in this revolutionary, low-impact technology as solvents. These soya-based products provide excellent lubricity and biodegradability. EcoLine® products are environmentally friendly and leave behind a high-performance VpCI® corrosion protecting layer.

Ecoline® All Purpose Lubricant has been certified as a USDA certified biobased product and has been awarded USDA BioPreferredSM designation.

(www.biopreferred.gov)

FEATURES

- USDA certified biobased product
- Contains 93% biobased content
- USDA BioPreferredSM designated Corrosion Preventative and Multipurpose Lubricant for Federal preferred purchasing
- Environmentally friendly and biodegradable
- Replaces hazardous mineral oil
- Extends life of machinery parts by reducing friction and wear
- Contains unique Vapor phase Corrosion Inhibitor (VpCI®) which prevents corrosion on uncoated and difficult-to-reach areas in casting and stamping
- Provides multimetal protection
- Cleans and lubricates
- Loosens frozen and rusted parts
- Non-flammable and non-toxic
- Can be used as an excellent mold release
- Contains an extra pressure additive for extra wear protection

TYPICAL APPLICATIONS

- In-plant machining
- Bar and chain oil
- Flange lubricant
- Biodegradable and preservative oil for machinery
- Locks and hinges
- Nuts and bolts
- Office machinery
- Penetrating oil/lubricant

METALS PROTECTED

- Carbon steel
- Galvanized steel
- Stainless steel
- Aluminum and alloys



TYPICAL PROPERTIES

Appearance	Clear to slightly hazy amber liquid
Corrosion Resistance	Up to 24 months
Non-volatile Content	95-100%
Density	7.4-7.6 lb/gal (0.89-0.91 kg/l)
Kinematic viscosity	12.54 centistokes (mm ² /s) (at 40°C)
Layer thickness	0.008mm (0.30 mil)

4 Ball EP Test

ASTM D-2596

welding point 2000 N (10 s)

ASTM D-2266

Mean scar diameter 0.51 mm (392 N/1h)

TEST RESULTS

ASTM D 4172 (4 Ball Wear Test)

Average Wear Scar Diameter 10 mils (0.25 mm)

ASTM D 2670 (Falex Pin and Vee Block Wear Test)

Conditions:

Run in/5 min. 350 lb (159 kg)

Gage load/15 min. 900 lb (408 kg)

Results:

Total Teeth Wear 2

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

Seizure

None

STORAGE AND PACKAGING

EcoLine® All Purpose Lubricant is packaged in 16 oz. (455 ml) spray bottles, 5 gallon (19 liter) pails, 55 gallon (208 liter) drums, liquid totes, and bulk. The product should be sealed before storage. The shelf life of EcoLine® All Purpose Lubricant is up to 24 months.

Also available in a 5.0 oz (148 ml) aerosol as BioLube.

Note: Please see the Safety Data Sheet (SDS) for proper handling of product.

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.
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Environmentally Safe VpCI®/MCI® Technologies

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