

VpCI™ METALWORKING PRODUCTS

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 have been 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.

FEATURES

- 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)

TEST RESULTS

ASTM D 4172 (4 Ball Wear Test)

Average Wear Sear 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
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 remain sealed before storage. The shelf life of EcoLine™ All Purpose Lubricant is up to 24 months.

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

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

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