

## 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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