



## VpCI™ METALWORKING PRODUCTS

# EcoLine™ Heavy Duty Grease



- Provides contact and vapor phase protection
- Selfhealing
- High viscosity index at wide temperature ranges
- Biodegradable when released into the environment
- High flash and fire points reduce fire hazards
- Meets EPA's Environmental Preferable Purchasing criteria
- Meets USDA's Biobased product definition for EO 13101

### TYPICAL APPLICATIONS

- For applications where long-term corrosion protection and lubrication is required
- Gear protectant / lubricant
- Outdoor long-term corrosion inhibitor/coating
- Long-term equipment lay-up

### PRODUCT DESCRIPTION

EcoLine™ Heavy Duty Grease is formulated with American-grown natural seed oil that surpasses the lubricity of most conventional petroleum based greases. Utilizing the latest biotechnology, EcoLine™ Heavy Duty Grease is an environmentally friendly replacement for harmful greases.

In addition to lubricating, self-healing and moisture displacing properties, this biodegradable grease provides a powerful combination of contact and vapor phase corrosion protection. EcoLine™ Heavy Duty Grease can protect bearings and other equipment from corrosion during operation and lay-up without harming the environment.

### FEATURES

- Provides superior lubricity to promote longer equipment life
- Clay-based thickener resists drop in viscosity at high-temperatures
- Superior adhesion and resists water wash out
- Excellent outdoor protection against corrosion caused by chlorides, acids and other corrosive species

### TYPICAL PROPERTIES

NLGI Grade No.	2
Thickener	Clay
Appearance	Black Grease
Cone Penetration, Worked 60 Strokes	285
Non-volatile Content	95-99.9%
Density	7.3 – 7.6 lb/gal (0.86 – 0.91 kg/l)
Protection in Salt Spray Cabinet (ASTM B-117) Carbon Steel Film Thickness 3-mil	500 hours
Weld Load (Kg)	250
Base Oil, Viscosity, cSt at 40°C	40
Base Oil, Flash Point	619°F (326°C)
Base Oil, Pour Point	18°F (-8°C)
Base Oil Biodegradability	Pass
Base Oil Aquatic Toxicity	Non-toxic



## METALS PROTECTED

- Carbon Steel
- Stainless Steel
- Cast iron
- Aluminum and alloys
- Copper and alloys

## APPLICATION

### *Product Preparation:*

Product should be mixed thoroughly and uniformly prior to use.

### *Product Application:*

Product can be applied by brush or roll. Normal DFT is 2 mils (50 microns).

### *Product Cleanup:*

For cleanup of tools and overspray, use alkaline cleaners such as Cortec® VpCI™ -414 or mineral spirits.

## PACKAGING AND STORAGE

EcoLine™ Heavy Duty Grease is available in 5 gallon (19 liter) plastic containers, 55 gallon (208 liter) metal drums, and 16 oz. (454 g) cartridges. Store in cool, dry warehouse.

## 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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