



VpCI™ METALWORKING PRODUCTS

EcoLine® Heavy Duty Grease



- 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

TYPICAL PROPERTIES

NLGI Grade No.	2
Thickener	Clay
Appearance	Red 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 40C	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

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
- Provides contact and vapor phase protection
- Selfhealing



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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