



Renewable Lubricants, Inc.

476 Griggy Rd., P.O. Box 474

Hartville, Ohio 44632-0474

Voice: 330.877.9982 Fax 330.877.2266

Web: www.renewablelube.com

Bio-E.P.TM Wire Rope Compound

NLGI #1

STABILIZEDTM
by Renewable Lubricants

"Biobased Lubricants that Perform Like Synthetics"

Bio-E.P.TM Wire Rope Compound is a biobased, Extreme Pressure (EP) grease that is specially formulated for lubricating multi-strand cables and wire rope wound around central cores of steel or fiber. This product is fortified with overbased calcium sulfonate EP and anti-corrosion additives with exceptional properties that will lubricate at extreme high pressures (see 4-Ball and Timken EP Tests below). In addition, it provides excellent anti-wear and anti-seize protection. It is formulated with a biodegradable¹, biobased oil that provides natural polarity to metal surfaces to penetrate into the inner core of the wire rope. A unique non-toxic grease thickener provides for good low temperature mobility and excellent resistance to water. Also, a high level of tackifier adds excellent adhesive properties to the application. It contains no heavy metals, lead, antimony, zinc, molybdenum disulfide, chlorine or active sulfur and is formulated to be ultimately biodegradable¹.

Applications:

Bio-E.P.TM Wire Rope Compound is specifically designed to provide high anti-seize, anti-wear, extreme pressure, and anti-rust protection. It protects cables, sliding surfaces, and threads against damage from corrosion, galling or seizure. Other applications including: chains, slideways, fifth wheels, king-pins, hinge pins, slow moving journal bearings. Field applications can be applied by spray, brush, dip, pressure boot, grease gun, or automatic lube system.

Typical Specifications:

Color	Amber
Texture	Smooth, Tacky
Penetration Worked ASTM D-217	310-340
Flash Point (COC) ASTM D-92	300°C
Corrosion Test ASTM D-665	Pass Clean
Cabinet Humidity ASTM D-1748	>60 days
Salt Fog Corrosion ASTM B-117	>60 hrs.
4-Ball Wear ASTM D-2266	0.40 mm
4-Ball EP ASTM D-2596	Weld 450 kg / LWI 55
Timken OK Load ASTM D-2509	70 lbs.

Bio-E.P.TM Wire Rope Compound meets the Environmental Protection Agency (EPA) 2013 Vessel General Permit (VGP) guidelines for Environmentally Acceptable Lubricants (EALs), and should be used where **LOW TOXICITY**, **BIODEGRADABILITY** and **NON-BIOACCUMULATION** properties are required. It exceeds the acute toxicity (LC-50 / EC-50 >1000 ppm) criteria adopted by the US Fish and Wildlife Service and the US EPA. Bio-E.P.TM Wire Rope Compound is an **ENVIRONMENTALLY RESPONSIBLE** lubricant that is formulated from renewable agricultural biobased resources. We believe Earth's environmental future rests in the use of renewable materials.

¹Ultimate Biodegradation (Pw1) within 28 days in ASTM D-5864 Aerobic Aquatic Biodegradation of Lubricants

STABILIZED by Renewable Lubricants* is RLI's trademark on their proprietary and patented anti-oxidant, anti-wear, and cold flow technology. High Oleic Base Stock (HOBS) are agricultural vegetable oils. This Stabilized technology allows the HOBS to perform as a high performance formula in high and low temperature applications, reducing oil thickening and deposits.

* Trademark of Renewable Lubricants, Inc. Copyright 1999 Renewable Lubricants, Inc.

<u>Availability</u>	<u>F.O.B. :Manufacturer</u>	<u>35 lb Pail</u>	<u>120 lb Keg</u>
Product code:		82664	82665