

HonuBio WR

Biodegradable Wire Rope Grease



Next Generation Sustainable Lubrication Technologies

PRODUCT NAME

HonuBio WR
Biodegradable Grease

MANUFACTURER

Honu Eco Sustainable Solutions, Inc.
200 Mayfly Way
Simpsonville, South Carolina 29680

DESCRIPTION

Our wire rope grease (VGP certified) is a premium quality biodegradable grease formulated from USA-grown vegetable oils, aluminum-based thickener, and anti-corrosion additives for maximum wire rope protection. HonuBio WR grease is recommended for use in applications on or near waterways. It meets the specifications required by the EPA's Vessel General Permit (VGP).

FEATURES AND BENEFITS

- Contains anti-corrosion additives to prevent rust
- Contains anti-wear additives to extend the life of wire ropes
- Higher flash point than petroleum greases for increased safety
- Biodegradable formula reduces damage to the environment
- Meets EPA's Environmental Preferable Purchasing (EPP) criteria
- Meets USDA's proposed Biobased product definition for EO 13101
- Manufactured from renewable USA-grown crop base oils

APPROVALS AND CERTIFICATIONS

Classified as environmentally acceptable lubricants (EAL's) as per the EPA's guidance document that defines standards for environmentally acceptable lubricants (EPA 800-R-11-002) and as required by EPA's 2013 U.S. Vessel General Permit (VGP)

PACKAGING

14 oz. cartridges, 35 lb. pail, 120 lb. kegs, 400 lb. drum and 2,100 lb. totes

SUITABLE USES

Recommended for most wire ropes and cables

- Recommended for marine applications or anywhere that wire rope is used
- Ideal for protection from salts pray
- Excellent for extreme pressure applications
- Designed for extreme water wash out and water spray-off resistance
- Designed for protection between all metal-to-metal contact areas
- Prevents rust and corrosion
- Recommended for environmentally sensitive areas near waterways

STORAGE AND SHELF LIFE

Storage – Keep in a cool, dry and well-ventilated place. Store in a properly labelled, original container. Containers which are opened must be carefully resealed and kept upright to prevent leakage. To help maintain product quality, do not store in heat or direct sunlight.

Shelf Life - Product shelf life is 24 months from date of packaging. In some cases, product can last longer, please contact your Honu Eco representative for proper testing and confirmation instructions.

CAUTIONS

Ensure adequate ventilation. Do not breathe vapor/dust. Use personal protective equipment and avoid contact with skin, eyes, and clothing. Wash thoroughly after handling. See the Safety Data Sheet (SDS) for emergency, proper handling and disposal information.

APPLICATION

- Follow recommendations provided in your equipment's owner's manual
- Follow your organization's manuals and/or best practices for preparation, cleaning, conversion, application and ongoing maintenance practices
- If you have further questions, please contact Honu Eco Tech Services by filling out the contact us form on honueco.com

AVAILABILITY

Worldwide.

TECHNICAL SERVICES

For additional information including the Safety Data Sheet (SDS), Frequently Asked Questions, and Glossary please visit honueco.com.

Typical Properties

Properties			
Product Code	WR0315-AL0	WR0315-AL1	WR0315-AL2
NLGI Grade	0	1	2
Appearance	Amber	Amber	Amber
Thickener Type	Aluminum Complex	Aluminum Complex	Aluminum Complex
Cone Penetration, Worked 60 Strokes	355-385	300-330	255-265
Dropping Point (°C)	>235	>240	>240
Oil Separation	<10%	<10%	<10%
Base Oil Viscosity at 40°C (cSt)	51	130	220
Base Oil Viscosity at 100°C (cSt)	10.5	22	36
Base Oil Viscosity Index	202	198	214
Base Oil Flash Point °C	326	326	326
Base Oil Biodegradability – OECD 301	Pass	Pass	Pass
Base Oil Aquatic Toxicity – OECD 202	Non-Toxic	Non-Toxic	Non-Toxic
Base Oil Plant Toxicity - OECD 208	Non-Toxic	Non-Toxic	Non-Toxic

Biobased/Biodegradable/Non-Bio accumulative

Based on evaluation of the base oils and the finished products, Honu Eco biobased products are designed to be biodegradable, aquatically non-toxic, not bioaccumulative and has no impact on plants as determined by known test methods. Nevertheless, the use of all Honu Eco products is subject to the local ordinances and ultimate responsibility for impact remains with user.

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