

HonuBio PPG

Plunger Packing Grease

NLGI 00, 0, 1



Next Generation Sustainable Lubrication Technologies

PRODUCT NAME

HonuBio PPG
Plunger Packing Grease

MANUFACTURER

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

DESCRIPTION

HonuBio PPG is specifically designed for plunger packing lubrication of triplex and quintuplex pumps. HonuBio PPG is made from a high-quality natural ester base oil, with a special blend of polymers to provide low temperature pumpability, excellent adhesion to the plunger, and minimize friction while providing an excellent seal in the system. Pumpability is critical in these pumps and HonuBio PPG offers excellent performance at a very wide range of temperatures. In addition, this ultra-low toxicity grease is made from bio-based, sustainable base stocks and is readily biodegradable if released in the environment.

FEATURES AND BENEFITS

- Field proven in shale formations throughout the United States: Marcellus, Bakken, Permian & Eagleford
- Provides an effective seal between packing and liners, extending the useful life of the equipment
- Excellent adhesion and wear protection allowing for increased uptime
- Resists corrosion and wash-off
- Readily biodegradable and ultra low toxicity
- 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

35 lb. Pail, 120lb. Keg, 400 lb. drum

APPROVALS AND CERTIFICATIONS

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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.

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Typical Properties

Properties	PPG 00	PPG 0	PPG 1
Product Code	HBPPG-00	HBPPG-0	HBPPG-1
NLGI Grade	00	0	1
Appearance	Amber	Amber	Amber
Thickener Type	Lithium 12	Lithium 12	Lithium 12
Viscosity @40°C, cSt	100	100	100
Viscosity @100°C, cSt	21	21	21
Flash Point °C	271	266	266
Copper Corrosion	1A	1A	1A
Rust Test, A & B	Pass	Pass	Pass
Readily Biodegradable (meaning>60%)	Pass	Pass	Pass
Biodegradability	>60	>60	>60
Minimally Toxic	Pass	Pass	Pass
Algae (EC 50), 72 hr, mg/L	>32,000	>32,000	>32,000
Daphnia (EC 50), 48 hr, mg/L	>26,000	>26,000	>26,000
Fish (LC 50), 96 hr, mg/L	>56,000	>56,000	>56,000

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.

The values quoted above are typical of normal production. They do not constitute a specification. Honu Eco makes no representations, guarantees or warranties, expressed or implied, including but not limited to any implied warranty of merchantability or fitness for a particular purpose, or as to the correctness or sufficiency of data herein presented. All risk and liability regarding use, conditions of use and handling of this product are assumed by the buyer and any user. No agent, representative, or employee of this company is authorized to vary any of the terms of this notice. To continue to provide superior quality, Honu Eco reserves the right to change the composition of its products without notice.