

HonuBio P & L

Penetrant & Lubricant



Next Generation Sustainable Lubrication Technologies

PRODUCT NAME

HonuBio Penetrating Spray & Lubricant

MANUFACTURER

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

DESCRIPTION

HonuBio P & L is a high-performance penetrant and lubricating oil for general purpose use. Formulated with the best optimized USA-grown natural seed oils and select additives, it surpasses the lubricity and performance of conventional lubricants.

FEATURES AND BENEFITS

- Superior lubricity improves productivity
- Cooler operating and less smoke allow higher operating speeds
- Safe for all metals and does not contain chlorine
- High flash and fire points
- Made from renewable USA-grown crop-based vegetable oils

SUITABLE USES

- Multipurpose lubricant and penetrant
- Loosens rusty bolts
- Quiets squeaky hinges and moving parts
- Protects from rust and corrosion
- General purpose cutting, grinding, and drilling metals
- Specialized application like milling, tapping, and reaming

PACKAGING

5 gal. Pails, 35 lb. pail, 275 Gal. Totes

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	Test Method	HonuBio PL
Product Code		HBPL 1
Apperance	Visual	Amber
Base Oil Viscosity @40°C, cSt	D445	38-42
Base Oil Viscosity @100°C, cSt	D445	7-9
Flash Point, °C	D92	240-250
Fire Point, °C	D92	260-270
4-Ball Wear, mm	D4172	0.47
4-Ball Weld, kg	D2596	250
Pin & Vee Block Test	D3233	3,335 lbs.
Pour Point, °C	D97	-20
Rust Prevention (Distilled)	D665A	Pass - None
Rust Prev. (Syn. Seawater)	D665B	Pass - None
Base Oil Biodegradability – OECD 301	OECD 301	Pass
Base Oil Aquatic Toxicity – OECD 202	OECD 202	Non-Toxic
Base Oil Plant Toxicity - OECD 208	OECD 208	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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