

HonuBio GP

Biodegradable



Next Generation Sustainable Lubrication Technologies

PRODUCT NAME

HonuBio GP Biodegradable General-Purpose Grease

MANUFACTURER

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

DESCRIPTION

HonuBio GP is a readily biodegradable general-purpose grease designed for a variety of applications. This environmentally acceptable grease is formulated from high purity, natural ester base oils and thickened with shear stable lithium soap. The additive package contains the latest in ashless, rust and anti-wear technology in an ultra-low toxicity product. HonuBio GP utilizes an optimized blend of polymers which enable the product to function at temperatures well beyond the limits of other similar products.

FEATURES AND BENEFITS

- Contains a shear stable Lithium soap thickener for mechanical stability
- Readily biodegradable for minimal environmental impact
- Ultra-low toxicity
- Utilizes a proprietary blend of polymers for use in high-temperature applications
- Excellent cold weather mobility

PACKAGING

- 35 lb. Pail
- 120 lb. Kegs
- 400 lb. Drum
- 10 Packs of 14 oz cartridges
- Totes

SUITABLE USES

Any industry (hydroelectric powered dams, construction, refuse, mining, dredging, marine, agriculture, plant operations, etc.) utilizing equipment with a need for a general-purpose grease, especially systems where a release into the environment is possible or Honu Eco where a leak or spill could reach a waste stream. Also suitable for use in automatic lubrication systems, as a mold release or via manual application.

APPROVALS AND CERTIFICATIONS

- USDA BioPreferred Program – 92% Biobased content
- Classified as Environmentally Acceptable Lubricants (EAL's) as per EPA standards for biodegradability, toxicity and bioaccumulation in aquatic environments.

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	ASTM Test Method	HE-GP 00	HE-GP 0	HE-GP 0
Product Code		HEGP200-00	HEGP200-0	HEGP200-1
NLGI Grade		00	0	1
Penetration	ASTM D217	410-430	355-385	310-340
Color		Amber	Amber	Amber
Thickener Type		Lithium 12	Lithium 12	Lithium 12
Texture		Smooth	Smooth	Smooth
Base Oil Viscosity @40°C, cSt	ASTM D445	100	100	100
Base Oil Viscosity @100°C, cSt	ASTM D445	21	21	21
Flash Point °C	ASTM D92	271	266	266
Fire Point °C	ASTM D92	271	266	266
Copper Corrosion	ASTM D4048	1A	1A	1A
Rust Test, A & B	ASTM D1743	Pass	Pass	Pass
Readily Biodegradable (meaning >60%)		Pass	Pass	Pass
Biodegradability	OECD 301B	>60	>60	>60
Minimally Toxic		Pass	Pass	Pass
Algae (EC 50), 72 hr, mg/L	OECD 201	>32,000	>32,000	>32,000
Daphnia (EC 50), 48 hr	OECD 202	>26,000	>26,000	>26,000
Fish (LC 50), 96 hr, mg/L	OECD 203	>56,000	>56,000	>56,000

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