

## PRODUCT NAME

**BioGrease GP – Biodegradable General-Purpose Grease**

## MANUFACTURER

BioBlend Renewable Resources, LLC.  
1500 Jarvis Ave.  
Elk Grove Village IL, 60007  
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## DESCRIPTION

BioGrease 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. BioGrease 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 Pails
- 120 Lb Kegs
- 400 Lb Drums
- 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 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.

## 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 BioBlend 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 BioBlend Tech Services by filling out the contact us form on [bioblend.com](http://bioblend.com)

## AVAILABILITY

Worldwide

## TECHNICAL SERVICES

For additional information including the Safety Data Sheet (SDS), Frequently Asked Questions, and Glossary please visit [bioblend.com](http://bioblend.com).

## 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.

## TYPICAL PROPERTIES

Property	ASTM Test Method	GP 00	GP 0	GP 1
Product Code		BG40000	BG4000	BG40001
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 °F (°C)	ASTM D92	520 (271)	510 (266)	510 (266)
Fire Point °F (°C)	ASTM D92	520 (271)	510 (266)	510 (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, mg/L	OECD 202	>26,000	>26,000	>26,000
Fish (LC 50), 96 hr, mg/L	OECD 203	>56,000	>56,000	>56,000

The values quoted above are typical of normal production. They do not constitute a specification.

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