

Overview ▶ BioGrease GP is a readily biodegradable general purpose grease 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 antiwear 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.

BioGrease GP is formulated featuring our proprietary **eSyn™** technology. Available in NLGI grades 00, 0, and 1

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
Viscosity @40°C, cSt	ASTM D445	100	100	100
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

Key Attributes / Approvals ▶



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. Suitable for use in automatic lubrication systems or via manual application.

- USDA BioPreferred Program
- 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)

See the Safety Data Sheet (SDS) for emergency, proper handling and disposal information.

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