

Overview ▶ BioGrease PPG is specifically designed for plunger packing lubrication of triplex and quintuplex pumps. BioGrease 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 BioGrease 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.



BioGrease PPG is formulated featuring our proprietary **eSyn™** technology. Available in NLGI grade 00, 0, 1.

Typical Properties ▼

Property	ASTM Test Method	PPG # 00	PPG # 0	PPG # 1
Product Code		BG25000	BG2500	BG25001
NLGI Grade		00	0	1
Color		Amber	Amber	Amber
Thickener Type		Lithium 12	Lithium 12	Lithium 12
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 ▼



- 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)

See the Safety Data Sheet (SDS) for emergency, proper handling and disposal information. Rev. BGPPG-06032020