

### DESCRIPTION

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.

### FEATURES & BENEFITS

- 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 wash-off
- Prevents rust and corrosion
- Readily biodegradable and ultra-low toxicity

### SUITABLE USES

Designed for protection between all metal-to-metal contact areas. Triplex and quintuplex pumps. especially systems where a release into the environment is possible, or a leak or spill could reach a waste stream. Suitable for use in automatic lubrication systems or via manual application.

### APPLICATION / TECHNICAL SUPPORT

- Follow recommendations provided in your equipment owner's manual
- Follow your organization's best practices for preparation, cleaning, conversion, application, and ongoing maintenance practices
- **Technical Support** - If you have further questions, please fill out contact form on [bioblend.com](http://bioblend.com) and one of our team will contact you to review your question(s)

### APPROVALS / CERTIFICATIONS

- eSyn Certified
- Classified as environmentally acceptable lubricants (EAL's) as per EPA standards for biodegradability, toxicity and bioaccumulation in aquatic environments
- USDA BioPreferred – 92% biobased content

### PACKAGE SIZES

- 35 LB Pails
- 120 LB Kegs
- 400 LB Drums
- 1893 LB Bins

### 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.

### 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.

### AVAILABILITY

Worldwide

**TYPICAL PROPERTIES**

Technical Properties	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
Performance Properties				
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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**APPROVALS / CERTIFICATIONS LOGOS**

