

### DESCRIPTION

BioFlo FS STL is a high performance, biodegradable product formulated from high quality synthetic ester technologies. This product is formulated to meet the US EPA 2013 Vessel General Permit (VGP) guidelines as an Environmentally Acceptable Lubricant (EAL).

BioFlo FS STL's lubricating film resists water, which keeps stern tube systems protected for extended periods of time and under severe operating conditions. In addition, this product is miscible with petroleum products commonly used for stern tube lubrication.

### FEATURES & BENEFITS

- Readily Biodegradable
- Water resistant film for greater protection
- Reduces friction
- Excellent anti-corrosion and anti-wear protection
- SKF Blohm-Voss seal approval

### SUITABLE USES

Designed for use in the marine industry. Primarily for the lubrication of sliding rolling bearings within the stern tube.

### 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
- **SKF Blohm-Voss Seal Approval**
- 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).

### PACKAGE SIZES

- 5 Gal Pails
- 55 Gal Drums
- 275 Gal Totes

### 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	ASTM Test Method	FS STL 68	FS STL 100	FS STL 150
Product Code		BFFSSTL68	BFFSSTL100	BFFSSTL150
ISO Grade		68	100	150
Specific Gravity	ASTM D1298	0.92	0.92	0.92
Viscosity @40°C, cSt	ASTM D445	68	100	150
Viscosity @100°C, cSt	ASTM D445	10.6	13.8	18.6
Viscosity Index (VI)	ASTM D2270	>140	>140	>140
Performance Properties				
Pour Point °F (°C)	ASTM D97	-31 (-35)	-25.6 (-32)	-25.6 (-32)
Flash Point °F (°C)	ASTM D92	>608 (320)	>608 (320)	>608 (320)
Readily Biodegradable (meaning>60%)		Pass	Pass	Pass
Biodegradability, %	OECD 301B	>73	>73	>73
Minimally Toxic		Pass	Pass	Pass
Algae (EC 50), 72 hr, mg/L	OECD 201	>27,000 mg/L	>27,000 mg/L	>27,000 mg/L
Daphnia (EC 50), 48 hr, mg/L	OECD 202	>16,000 mg/L	>16,000 mg/L	>16,000 mg/L
Fish (LC 50), 96 hr, mg/L	OECD 203	>48,000 mg/L	>48,000 mg/L	>48,000 mg/L
Not Bioaccumulative (Calculated value as per EPA standard)		Pass	Pass	Pass

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

BioBlend makes no representations, guarantees or warranties, expressed or implied, including but not limited to any implied warranty of merchantability or fitness for a particular purpose, or as to the correctness or sufficiency of data herein presented. All risk and liability regarding use, conditions of use and handling of this product are assumed by the buyer and any user. No agent, representative, or employee of this company is authorized to vary any of the terms of this notice. To continue to provide superior quality, BioBlend reserves the right to change the composition of its products without notice.

**APPROVALS / CERTIFICATIONS LOGOS**

