

Overview ▶ BioBlend MPO is a readily biodegradable, biobased high performance multi-purpose lubricant designed for commercial, household, and general lubrication applications. It is ideal for use on oven and conveyor chains, wire ropes, cables, slides, open mechanisms, and light duty metal cutting and tapping applications. Its excellent lubricity and temperature stability provide smooth mechanical performance and superior anti-wear protection. BioBlend MPO is NSF registered as meeting the guidelines of an H1 product for incidental food contact. Available in liquid or aerosol.



BioBlend MPO is formulated featuring our proprietary **eSyn™** technology.

Typical Properties ▼

Property	ASTM Test Method	MPO
Product Code		FBB1100022
ISO Grade		28
Specific Gravity	ASTM D1298	0.98
Viscosity @40°C, cSt	ASTM D445	28
Viscosity @100°C, cSt	ASTM D445	6.5
Viscosity Index (VI)	ASTM D2270	197
Pour Point °F (°C)	ASTM D97	0 (-18)
Flash Point °F (°C)	ASTM D92	>350 (177)
4 Ball Wear, Scar, mm	ASTM D4172	.40
Corrosion Protection	ASTM D665A	Pass
Copper Corrosion	ASTM D4048	1A
Readily Biodegradable (meaning>60%)		Pass
Biodegradability	OECD 301B	>73
Minimally Toxic		Pass
Algae (EC 50), 72 hr, mg/L	OECD 201	>59,000
Daphnia (EC 50), 48 hr, mg/L	OECD 202	>58,000
Fish (LC 50), 96 hr, mg/L	OECD 203	>87,000
Not Bioaccumulative (Calculated value as per EPA standard)		Pass
Bio-based Content, %	ASTM D6866	>76

Key Attributes / Approvals ▶



Any industry (construction, refuse, mining, dredging, marine, agriculture, oil & gas, food processing, plant operations, etc.) utilizing conveyors, chains, cables, winches, or mobile or stationary equipment, especially systems where a release into the environment is possible or where a leak or spill could reach a waste stream. Use BioBlend MPO in place of WD-40™ for an environmentally acceptable lubricant.

- NSF H1 Food Grade ; 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.

Rev. BBMPO-05282020