

Overview ▶ BioCut FG 2000 is a readily biodegradable, food grade general purpose cutting fluid. It reduces friction, dissipates heat, and extends cutting tool life. BioCut FG 2000's structure protects tools and metal materials. BioCut FG 2000 meets the guidelines of an H1 product for incidental food contact, and is suitable for use as a general-purpose metal and thread-cutting fluid in food processing and packaging environments.



Typical Properties ▼

Property	ASTM Test Method	FG 2000
Product Code		BC1900032
ISO Grade		40
Specific Gravity	ASTM D1298	.91
Viscosity @40°C, cSt	ASTM D445	40
Viscosity @100°C, cSt	ASTM D445	9
Viscosity Index (VI)	ASTM D2270	>200
Pour Point °F (°C)	ASTM D97	0 (-18)
Flash Point °F (°C)	ASTM D92	>500 (260)
Copper Corrosion	ASTM D4048	1A
Rust Test, A & B	ASTM D665	Pass
Readily Biodegradable (meaning>60%)		Pass
Biodegradability, %	OECD 301B	>95
Minimally Toxic		Pass

Key Attributes / Approvals ▶



- USDA BioPreferred Program
- NSF H1 Food Grade Lubricant
- Superior lubricity provides smooth metal cutting and threading
- Excellent heat dissipation
- Extended tool life
- Contains anti corrosion additives to protect tooling and materials
- Minimally toxic, virtually zero VOC emissions
- 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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