

# BIOCUT



**Overview:** BioCut products are readily biodegradable, general purpose metal working fluids for ferrous and nonferrous metals. It can be used on a wide range of operations, including pipe threading, tapping, screw machines, and CNC machines. It is recommended where surface finish and tool life are critical. BioCut products are sulfur and chlorine free and are pleasant to work with for better operator acceptance. Available in ISO Grades 15, 22, 36 & 46.

## Specifications, Approvals, Recommendations:

- USDA BioPreferred Program

Physical Properties	15	22	36	46
ISO Grade	15	22	36	46
Specific Gravity	.91	.91	.91	.91
Viscosity, ASTM D445 @40°C, cS	15	22	36	46
Viscosity, ASTM D445 @100°C, cS	3.8	4.9	7.9	10
Viscosity Index (VI), ASTM D2270	150	150	>200	>200
Pour Point, ASTM D97, °F (°C)	0 (-18)	0 (-18)	0 (-18)	0 (-18)
Flash Point, ASTM D92, °F (°C)	>410 (210)	>410 (210)	>410 (210)	>410 (210)
Copper Corrosion, ASTM D4048	PASS	PASS	PASS	PASS
Rust Test, ASTM D665, A & B	1A	1A	1A	1A
Biodegradability, OECD 301B, %	>95	>95	>95	>95

## Features & Benefits:

- Superior lubricity provides smooth metal cutting and threading
- Excellent heat dissipation
- Extended tool life
- Contains anti corrosion additives to protect tooling and materials
- Readily biodegradable, non-toxic, virtually zero VOC emissions