

J-Cut MO-250-EP

Heavy duty misting oil

Description

J-Cut MO-250-EP is a heavy duty lubricant formulated for the machining and sawing of ferrous and some non-ferrous metals. The high film strength of **J-Cut MO-250-EP** in conjunction with non-chlorinated extreme pressure additives, provides excellent performance on difficult to machine alloys such as stainless steel and exotic alloys. Based on renewable resources, **J-Cut MO-250-EP** is biodegradable and essentially non-toxic.

Performance Benefits

- High flash point, excellent oxidation stability and high viscosity index
- Works well in most Minimum Quantity Lubrication (MQL) systems
- Extends tool life
- Compatible with ferrous and some non-ferrous metals
- Does not affect secondary operations such as heat treating or coating

Recommended Applications

	Cast Iron	Low-medium alloy steel	High alloyed steel/nickel-chromium alloys	Titanium alloys	Aluminum alloys	Yellow metals
Sawing	X	X	X	X	X	X
Drilling	X	X	X	X	X	X
Broaching/Gear manufacturing	X	X	X	X	X	X
General machining	X	X	X	X	X	X

Characteristics

Properties	Unit	Test Method	Value
Appearance	-	Visual	Clear light yellow liquid
Density @ 15°C	Lbs/gal	-	7.8
Viscosity @ 40°C	cSt	ASTM D446	20
Viscosity @ 100°F	SUS	ASTM D446	98
Flash Point	°C	ASTM D92	>200°C
Copper corrosion	3 hr at 100°C	ASTM D130	1b

	Ester	Active Sulfur	Inactive Sulfur	Phosphorous	Calcium	Chlorine	Zinc
Additives	X	-	X	X	-	-	-