

FLC-370 Ferrous Metal Machining & Heavy-Duty Grinding Fluid

FLC-370 is a fully synthetic machining and grinding fluid that is capable of performing both extremely heavy machining in one operation and precision grinding in another. Unlike most extreme or heavy-duty machining fluids, FLC-370 uses no conventional extreme pressure additives such as phosphate esters, fatty acids, chlorinated paraffin or sulfur compounds. These materials can be selectively depleted during long term use and often are subject to biological attack. Thus, FLC-370 provides long-term, trouble free tank life and will not build up on machine surfaces or parts.

Superior Finish – FLC-370 is formulated to offer the highest levels of surface finishing possible, even on hard to finish metals such as chrome and stainless steel.

Corrosion Control – FLC-370 provides superior corrosion protection, even at higher dilutions of 3 to 4%.

Reduces Machine Build-Up – FLC-370 reduces machine build-up and will clean up old oil and coolant residues.

Unaffected By Hard Water – FLC-370 will not form scum or separate in water up to 450-ppm total hardness.

Rapid Foam Collapse – FLC-370 is naturally low foaming under high agitation, so the workpiece remains visible.

Oxidative, Biological, and Hydrodynamic Stability – FLC-370 will not break down

even under the harshest operating conditions.

Recommended Starting Dilutions

Machining	8 to 15%
Grinding	5 to 10%

Typical Properties

Appearance	Clear Purple Liquid
Volatile Component	Water
Freeze Point	32°F
Boiling Point	212°F
pH	10 - 10.3
Evaporation Rate	NA
Odor	Mild
Vapor Pressure	NA
Vapor Density	NA
Specific Gravity	1.067
VOC	None
Weight per Gallon	8.9
Solubility in Water	Infinite

Packaging and Handling – FLC-370 is a liquid packed plastic drums and Tote Bins. Refer to the Material Safety Data Sheet for suitable materials of construction, for handling, and storing of this product. Observe all safety precautions shown on the label and in the Material Safety Data Sheet.

Health	1
Flammability	1
Reactivity	0
Personal Protection	B

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