



Micro-Fine 49™ Di-Electric Fluid



WHAT IT DOES:

Commonwealth Oil's **Micro-Fine 49™** EDM Fluid has been specifically formulated to hold fine particulate in suspension for extended periods of time for high speed EDM Machines requiring these characteristics. **Micro-Fine 49™** is ideal for Makino's HQSF™ Technology.

Micro-Fine 49™ EDM Fluid is a truly superior and revolutionary fluid. If faster, smoother and more reliable cuts and dramatic gains in labour efficiency are of interest, then this is the fluid of choice.

WHERE TO USE IT:

Micro-Fine 49™ is designed for following applications...

- **Micro-Fine 49™** is ideal for Makino's HQSF™ Technology.
- **Micro-Fine 49™** is ideal for high speed machines.
- Di-electric fluid in electrical discharge machining operations.
- Electrical discharge machining in the tool and die industry.
- Electrical discharge machining in the mold industry.
- Medical, computer and aerospace industries.
- Manufacturing of air craft components, valves, regulators, hardware, tools, etc...

PERFORMANCE BENEFITS:

Micro-Fine 49™ is especially formulated to deliver the following performance benefits:

- Reduces recast layer.
- Longer fluid Life. This fluid will not grow old and "extends burn times."
- Reduced probability of fire due to a high flash point.
- Rapid flushing at point of cut due to low viscosity.
- No potential interference from dyes.
- Extremely low evaporation and volatility! Operator exposure to fumes and vapours is greatly reduced.
- Lower specific gravity allows rapid settling of particles in the filter.
- Extremely low odour levels from **Micro-Fine 49™** at the time of initial fill and after many thousands of hours.
- This fluid will not degrade under high amps, high temperature conditions.
- Cleaner and clearer - when you open a drum, you can easily see to the bottom.
- Improved health and safety for operators. The aromatic and sulphur content are almost undetectable even under extreme laboratory conditions compared to representative EDM fluids.
- Proven field performance. **Micro-Fine 49™** will hold the micro finishing additives in suspension longer.
- **Micro-Fine 49™** is rubber component compatible for your hoses, seals and gaskets.
- EDM operators find a noticeable improvement in their skin condition. They will not see that layer of dry, white, defatted skin typically observed after washing or wiping off other EDM fluids from hands.



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TECHNICALLY SPEAKING:

Test	ASTM Test Method	Micro-Fine 49™
Viscosity: cSt @ 25°C/77°F	D-445	3.00
Viscosity: cSt @ 40°C	D-445	2.40
Viscosity: SUS @ 100°F	D-445	34.0
Acid Number, mg KOH/g	D-974	0.02
Aniline Point, °C (°F)	D-611	76 (169)
Flash Point, COC °C	D-92	> 100
Flash Point, COC °F	D-92	> 212
Odour		Nil
Colour, Saybolt	D-156	30+
Density, lbs./US Gallon	D-1298	6.01
Specific Gravity	D-1298	0.720
Dielectric Strength		High

These are typical figures and do not constitute a specification.

Handling & Safety Information

For information on the safe handling and use of this product, refer to the Material Safety Data Sheet obtainable from Commonwealth Oil Corporation.



Available in Pails, Drums and One-Way Bulk Containers

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