



Commonwealth Oil

EuroSupreme™ Synthetic Di-Electric Fluid



WHAT IT DOES:

Commonwealth Oil's **EuroSupreme™** has been specially developed for the modern EDM Machine's demanding environment. Faster machines, shorter delivery times, tighter tolerances, environmental concerns and operators with dry skin and dermatitis problems demand a revolutionary EDM Fluid. **EuroSupreme™ Synthetic Di-electric Fluid** is specifically formulated to meet the health, safety and performance standards mandated by you.

WHERE TO USE IT:

EuroSupreme™ is designed for following applications

- 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:

EuroSupreme™ is especially formulated to deliver the following performance benefits:

- High di-electric strength reduces recast layer.
- Longer fluid life. This fluid will not grow old and "extends burn times".
- Reduced probability of fire due to high flash point. You don't have to sacrifice flushing by using thicker oil in order to get a higher flashpoint.
- Rapid flushing due to low viscosity.
- Extremely low evaporation and volatility! Operator exposure to fumes and vapors is greatly reduced.
- Extremely low odor levels from **EuroSupreme™ Synthetic Di-electric Fluid** at the time of initial fill and after many thousands of hours.
- Lower specific gravity allows rapid settling of particles in the filter.
- This fluid will not degrade under high amps or 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.
- **EuroSupreme™** 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.
- No potential interference from dyes.
- **EuroSupreme™ Synthetic Di-electric Fluid** is approved for use in **ONA Filtration Systems**.



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TECHNICALLY SPEAKING:

Test	ASTM Test Method	EuroSupreme™
Viscosity: cSt @ 25°C/77°F	D-445	3.40
Viscosity: cSt @ 40°C	D-445	2.70
Viscosity: SUS @ 100°F	D-445	35.0
Acid Number, mg KOH/g	D-974	0.02
Aniline Point, °C (°F)	D-611	95 (203)
Flash Point, COC °C	D-92	> 115
Flash Point, COC °F	D-92	> 239
Odour		Nil
Colour, Saybolt	D-156	30+ (water white)
Density, lbs./US Gallon	D-1298	6.425
Specific Gravity	D-1298	0.770
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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