



# 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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