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 aircraft 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.
EuroSupreme™

**TECHNICALLY SPEAKING:**

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