



# Commonwealth Oil

## EDM Super Supreme™ HD Synthetic Di-Electric Fluid



### WHAT IT DOES:

Commonwealth Oil's **EDM Super Supreme™ HD Synthetic Di-Electric Fluid** has been specially developed for the modern EDM Machine's demanding environment. Faster Machines, shorter delivery times, tighter tolerances, environmental concerns and operator Health and Safety (dry skin/dermatitis) demand a revolutionary EDM fluid. **EDM Super Supreme™ HD Synthetic Di-Electric Fluid** is specifically formulated to meet the health, safety and performance standards mandated by you.

### WHERE TO USE IT:

**EDM Super Supreme™** 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:

**EDM Super Supreme™** is especially formulated to deliver the following performance benefits:

- Longer fluid Life. This fluid does not grow old and "extends burn times."
- Proven field performance. Our final testing laboratory is a shop like yours!
- Higher flash point reduces potential fire hazard.
- Extremely low evaporation and volatility! Operator exposure to fumes and vapours is greatly reduced.
- Rapid flushing due to low viscosity.
- Lower specific gravity allows rapid settling of particles in the filter.
- Extremely low odour levels from **EDM Super Supreme™** throughout its lifetime.
- This fluid will not degrade under high amps, high temperature or in the presence of copper electrodes.
- 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 under laboratory conditions compared to typical EDM fluids. Reduced polishing time due to the higher di-electric strength.
- **EDM Super Supreme™** is rubber component friendly for your hoses, seals and gaskets.
- EDM operators really welcome the improved condition of their skin. They will not see that layer of dry, white, defatted skin typically observed after washing or wiping other EDM fluids from hands.
- No potential interference from dyes.
- **EDM Super Supreme™** is **Transor Approved**.
- **EDM Super Supreme™** is approved for use in **ONA Filtration Systems**.



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## TECHNICALLY SPEAKING:

Test	ASTM Test Method	EDM Super Supreme™
Viscosity: cSt @ 25°C/77°F	D-445	3.94
Viscosity: cSt @ 40°C	D-445	3.00
Viscosity: SUS @ 100°F	D-445	36.0
Acid Number, mg KOH/g	D-974	0.02
Flash Point, COC °C	D-92	≥ 120
Flash Point, COC °F	D-92	≥ 248
Odour		Nil
Colour, Saybolt	D-156	30+ (water white)
Density, lbs./US Gallon	D-1298	6.074
Specific Gravity	D-1298	0.730
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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