

TECHNICAL DATA SHEET

EDM 244™

EDM FLUID

Commonwealth Oil's EDM 244™ is a special fluid, developed by Commonwealth Oil for Electrical Discharge Machines utilized to produce very fine and intricate cuts and profiles. EDM 244™ works very well when machining graphite electrodes.

EDM 244™ is Transor Approved.

EDM 244™ is approved for use in ONA Filtration Systems.

Product should be stored under cover in clean, dry conditions and protected from frost. Recommended storage temperature is between 5°C and 35°C.

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...

Recommendation For Use

EDM 244™ is used neat as supplied.

Benefits

- Approved for use in nuclear facilities
- Reduces DC Arcing
- Reduced chances of fire due to high flash point
- Longer fluid life. Proven field performance
- More rapid flushing at point of cut because of a lower viscosity
- Readily biodegradable
- Cleaner and clearer – when you open the bungs on the drums, you can easily see to the bottom of the barrel
- High API gravity allows rapid settling of particles in filter
- Extremely low odour levels from EDM 244™ at the time of initial fill and after many hundreds of working hours
- Environmentally safer due to the workers' health as the aromatic and sulphur content are almost undetectable under laboratory conditions versus your typical EDM fluids now in use.
- Reduced polishing time of molds because of higher dielectric strength

Health, Safety and Handling

Please consult the Safety Data Sheet (SDS) for information on storage, safe handling and disposal. The conditions or methods of handling, storage, use and disposal of the product are beyond our reasonable control - we assume no liability for any ineffectiveness of the product or any injury or damage, arising out of or in connection with these conditions.

Typical Physical Properties

PROPERTY	TYPICAL VALUE
Appearance	Clear Yellow Liquid
Specific Gravity @ 20°C	0.77
Kinetic Viscosity @ 40°C, cSt	2.45
Flash Point COC °C	110

All reasonable care has been taken to ensure this publication is accurate upon issue. Such information may be affected by changes subsequent to issue. This Technical Data Sheet is to be used solely for this product. Prior to any use, consult the Safety Data Sheet (SDS) for information on hazard risks and product use parameters. All liability and all warranties express or implied are hereby excluded as to product performance results, the accuracy of these data including any warranty of merchantability or fitness for any purpose. 10237





