

TECHNICAL DATA SHEET

Bio EDM2, and Bio EDM4

Description

Vegetable based feedstocks, sustainable, biodegradable and available.

Odourless, colourless, narrow cut, readily bio-degradable, and mineral oil free.

Performance - The formulation of these Bio EDM fluids has been proven successful in both high and low amperage spark erosion processes. Its unique chemistry of ultra-pure hydrocarbons with the latest technology provides a crystal-clear fluid with high oxidation stability and extremely low viscosity. The result is stability under high amperage as well as fast flushing in tight tolerance finishing work. Efficiency – Bio EDM fluids possess low viscosity. This combined with the low specific gravity, means faster more efficient flushing and filtration. The result is increased metal removal rates by as much as 30%. Filtration is improved due to less carbon and residue formation. The filter lasts longer and particulates are prevented from returning to the electrode work-piece interface. Safety – Additionally, benefits of Brite EDM are in its safety and operator friendliness the fluids are pharmacopeia compliant. The fluids are odourless and contains no mineral oil derived hydrocarbons. This helps eliminate skin irritation associated with solvents and reduces oil mist and solvent vapour exposure

Benefits

- Low viscosity
- Good detergency.
- Cost effective
- Highly treated
- Good surface finish
- Good flushing
- Very economical in-use
- Enhanced performance
- Long service life.

Typical Physical Properties

	Bio EDM2	Bio EDM4
Appearance	Clear fluid	Clear fluid
Specific Gravity	~0.78 @ 15°C	~0.785 @ 15°C
Foaming Tendency	Low	Low
Viscosity at 40°C	2.9 cSt	3.8
Flash Point °C	>115	>135
Anti-oxidation	Good	Good
Chlorine (elemental)	Nil	Nil
Sulphur (active)	Nil	Nil
Usage Concentration	As supplied	As supplied

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