

## ECOCUT FES 2K

### Odourless EDM Fluid

#### Description

**Ecocut FES 2K** is a light coloured and odourless oil for electro-erosion wire cutting operations. Unlike many wire cutting fluids based on higher flash point hydrocarbon solvents, **Ecocut FES 2K** uses highly refined light paraffinic mineral oil for minimum odour release over its service life.

- High flash point and non-hazardous.
- Minimizes electrode wear.
- High cutting performance.
- Non-corrosive.
- Compatible with normal sealing rubber materials.

#### Benefits

- Excellent oxidation stability.
- Extremely low aromatics, does not smell and is non-toxic to ensure worker comfort even in enclosed operating environments.
- Low foaming and minimum fume generation.
- Good dielectric medium between spark conductor and work piece.
- Effective cooling medium and flushing of metal fines.

#### Application

- Recommended for all electro-erosion wire cutting operations.
- For fine finishing as well as rough cuts with good metal removal rates.
- Use as supplied.

#### Typical Characteristics

Properties	Unit	Value	Test Method
Colour	Saybolt	+30	ASTM D 156
Appearance		B&C	Visual
Specific Gravity at 60/60 °F		0.77	ASTM D 1298
Flash Point PMCC	°C	105 min	ASTM D 93
Viscosity @ 40°C	cSt	2.26	ASTM D 445
Total Paraffin	% wt	99.0 min	Gas Chromatography
Aromatics	% wt	0.01 max	UOP 495-75
Distillation range	°C	240 IBP 286 FBP	ASTM D 86 ASTM D 86
Sulphur	wt ppm	5 max	UOP 727

Whilst the information and figures given here are typical of current production and conform to specification, minor variations may occur. No warranty expressed or implied is given concerning the accuracy of the information or the suitability of the products. Subject to amendments.