



Excelfluid EVO PRO

Multi-functional, Formaldehyde free, low foam metal working fluid

Product code: S131

Product Description:

Excelfluid EVO PRO a multi-functional formaldehyde free, low oil semi-synthetic metal process fluid which produces a micro emulsion when diluted in water. This product is a true rationalisation product and will perform most applications on a wide range of materials. To be used in both soft and hard water conditions from 0 – 500ppm

Suitable for use in both moderately soft and hard water and for the use on a wide range of difficult materials Excelfluid EVO PRO incorporates the latest non-staining performance additives to ensure complete multi-metal compatibility. Excelfluid EVO PRO is based upon synthetic and natural esters to provide excellent machining performance across a wide range of applications. The Low oil characteristics make this product make it particularly suited to the machining of Cast Iron.

Features & Benefits:

- Based upon renewable technology
- Free from Formaldehyde release biocides
- DCHA and Secondary Amine free
- Excellent corrosion protection
- Diluent water from 0ppm – 500ppm
- Ultra-low foaming tendency
- Multi-metal compatibility
- High operator compatibility

Typical Test Data:

Appearance	Amber liquid
Emulsion Type	Transparent
Foaming Tendency	
5% emulsion in 50ppm water	Nil foam after 5 seconds
Specific Gravity at 20oC	1.02 typical
pH @ 5%	9.7 typical
Refractometer Correction Factor	2.1
IP 287 Corrosion Break Point, %	2.0
IP 125 Corrosion at 2%	0/0-0
Reichert Lubricity Characteristics at 10% dilution	
Noise Reduction (metres)	30
Load bearing capacity (Kg mm ²)	1.26
Oil Content	10%



TECHNICAL DATA SHEET

Materials & Performance:

Material types	Performance Rating
Titanium	***
Aluminium	****
Aero aluminium alloys	****
High alloy/stainless steel	****
Cast Iron	*****
Ferrous Materials	****

Applications	Dilution
Tapping	8 – 10 %
Milling	5 – 7 %
Turning	5 – 7 %
Reaming	8 – 10 %
Sawing	5 – 7 %
Drilling	7 – 10 %
Grinding	4 – 6%

The above figures are given for guidance only.

Product management:

The working concentration should be carefully controlled and monitored daily as higher and lower working concentrations have health and safety implications. Machines should be cleaned out regularly. Fluid and particulate contaminants should be kept to a minimum. This is important especially in terms of bacterial control and is in line with the latest advice from government and professional sources.