



## Excelfluid EVO GP

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

Product code: S130

### Product Description:

Excelfluid EVO GP a multi-functional formaldehyde free, low oil semi-synthetic metal process fluid which produces a transparent emulsion when diluted in water. This product is a true rationalisation product and will perform most applications on a wide range of materials.

Excelfluid EVO GP incorporates the latest non-staining performance additives to ensure complete multi-metal compatibility. Excelfluid EVO GP is based upon synthetic and natural esters to provide excellent machining performance across a wide range of applications.

Excelfluid GP does not rely on traditional anti-foams for foam control. The emulsion when in use produces 50% less foam compared to similar emulsion types with a 50% repeatable rapid increase in foam collapse. To be used in both soft and hard water conditions from 0 – 750ppm

### Features & Benefits:

- Ultra-low foaming technology
- Free from Formaldehyde release biocides
- DCHA and Secondary Amine free
- Excellent corrosion protection
- Diluent water from 0ppm – 750ppm
- Environmentally respectful
- Multi-metal compatibility
- Cost effective

### Typical Test Data:

Appearance	Amber liquid
Emulsion Type	Translucent
Foaming Tendency	
5% emulsion in 50ppm water	Nil foam after 5 seconds
Specific Gravity at 20oC	1.006 typical
pH @ 5%	9.6 typical
Refractometer Correction Factor	1.6
IP 287 Corrosion Break Point, % Volume:	2.0
IP 125 Corrosion at 2%	0/0-0
Reichert Lubricity Characteristics at 10% dilution	
Load bearing Capacity (Kg/mm <sup>2</sup> )	1.31
Noise Reduction (metres)	29
Oil Content	25%



# TECHNICAL DATA SHEET

## Materials & Performance:

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

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.