



Excelfluid CI 15

Semi synthetic water-mix metalworking fluid

Product code: S118

Product Description:

Excelfluid CI 15 is a low oil content, highly bio-resistant semi-synthetic machining and grinding fluid primarily designed to provide clean machining of cast irons but also suitable for use with a variety of other ferrous materials as well as non-ferrous metals. Excelfluid CI 15 provides good alkali reserve and excellent corrosion protection and is very low foaming. When mixed with water it forms an ultra-stable, translucent emulsion allowing excellent workpiece visibility.

Benefits:

- Low foaming
- Ultra stable micro emulsion
- Excellent workpiece visibility
- Superior corrosion protection
- Long sump life
- Chlorine free
- Multi-metal compatible

Material Compatibility:

- Cast irons
- Most ferrous alloys including stainless steel
- Free cutting aluminium alloys
- Oil resistant plastics and other non-ferrous materials

Water Compatibility:

- Typically, 50 to 400 ppm (calcium carbonate)
- Designed for low foam
- Suitable for high and low-pressure CNC systems

Applications:

	Concentration (% by vol.)
General Machining	5 – 6
Thread Cutting & Forming	6 – 8
Deep Hole Drilling & Boring	6 – 8
Reaming	8 – 10
Grinding	3 – 5

Typical Test Data:

Appearance of Concentrate	Amber liquid
Appearance of Emulsion	Translucent
Specific Gravity	1.02
pH @ 5%	9.6
IP 287 Corrosion Test (%)	3.0
Defoam, ml (5% in 50ppm water)	Nil (30 seconds)
Refractometer Factor	1.8