



Excelfluid RR

Semi synthetic biostable metalworking fluid

Product code: S110

Product Description:

Excelfluid RR is a blue coloured, water miscible, semi synthetic biostable cutting and grinding fluid for both ferrous and non-ferrous materials.

Excelfluid RR contains a relatively high emulsifier to oil ratio which results in a highly stable micro emulsion being formed when the concentrate is added to water. This promotes improved wetting characteristics and allows for excellent workpiece visibility. The boron biostable performance additives offer excellent resistance to bacterial proliferation and improve hard water compatibility.

Features & Benefits:

- Biostable
- Cost effective
- Good levels of surface finish
- Permits higher cutting speeds
- Low foaming
- Excellent residual corrosion protection
- Chlorine free
- NP ethoxylates free
- Multi-functional
- Maintains machine cleanliness
- Good levels of boundary lubrication
- Excellent tramp oil rejection

Typical Test Data:

Appearance	Blue liquid
pH @ 5%	9.1
Specific Gravity	0.995
IP287 Corrosion Breakpoint, % vol.	3.0
Reichert Lubricity Tests, 10% dilution:	
Noise Reduction (m)	35.0
Load Bearing Capacity (Kg/mm ²)	1.234
Refractometer Factor	1.5

Dilutions:

General Machining 5%

Grinding 4%

Dilutions can be increased to a maximum of 10% to gain greater lubricating performance.

Application:

Excelfluid RR is suitable for a variety of metalworking operations including sawing, milling, turning, drilling and grinding on low and medium tensile ferrous and non-ferrous materials. It is suitable for centralised and CNC machining