



Excelfluid Ultra EPDX

An ultimate chlorine free water-mix metalworking fluid

Product code: S095

Product Description:

Excelfluid Ultra EPDX is the latest in chlorine free technology offering significant advantages in performance without the use of chlorinated additives. It is inherently low foaming and hard water stable. It is suitable for use on a wide range of difficult materials and is a perfect choice for aerospace manufacturing.

Excelfluid Ultra EPDX offers exceptional machining performance and can be used in all types of arduous manufacturing applications including creep feed grinding. The performance additives incorporated into the fluid provide outstanding surface finish on all types of aluminium and associated alloys as well as high tensile steels. The unique formulation also prevents scum and soap formation associated with more reactive materials. Excelfluid Ultra EPDX is extremely low foaming making it suitable for use in high pressure coolant systems often associated with modern CNC machine tools.

Excelfluid Ultra EPDX is highly biostable and exhibits extended sump life whilst maintaining its high levels of anti-corrosion properties.

Features & Benefits:

- Excellent machining characteristics
- Chlorine free
- Secondary amine free
- NP Ethoxylates free
- Used in all difficult applications
- Ultra low foaming tendency
- Multi-metal compatible
- Outstanding levels of boundary lubrication

Typical Test Data:

Appearance of Concentrate	Amber liquid
Odour	Sweet
Emulsion Appearance	Milky white
Specific Gravity	0.976
pH @ 5%	9.3
IP287 Breakpoint, %	2.0
Reichert Performance @ 10%	Noise Reduction 13.0m Load Capacity 2.06 Kg/mm ²
Refractometer Correction Factor	1.0

Refractometer Dilutions:

General Machining 4-5%

Creep Feed Grinding 5-7%

Gear Cutting 6%

Deep Hole Drilling 7%

Broaching 8%

Dilutions can be increased further to gain greater performance up to a maximum of 10%