



Excellfluid EP

Water-mix metalworking fluid designed for
the machining of difficult alloys

Product code: S016

Product Description:

Typically high chromium steels and nimonic alloys have utilised neat oils for more arduous machining operations such as drilling and tapping. Although water-based, Excellfluid EP with its blend of surface active and hydrodynamic lubrication additives, provides a true alternative to the use of neat oils.

Excellfluid EP provides the clean working environment and long sump life expected of a modern biostable fluid. These features improve the operator working environment whilst removing the need for post machining cleaning operations.

Benefits:

- Produces extremely high degree of machine tool lubrication
- Can replace neat oils in some operations
- Improved tool life and surface finish
- Permits higher cutting speeds
- Extremely biostable

Application:

Excellfluid EP should not be used at concentrations less than its specified break point. Maximum machining performance can be achieved at concentrations up to 12%, however the majority of operations will be completed with concentrations in the range 3 - 6%.

Typical Test Data:

Appearance of Concentrate	Blue liquid
Specific Gravity @ 20°C	0.99
pH @ 3% (Distilled Water)	9.1
Anti-Corrosion by IP 287	2% Break Point
Reichert Performance	N.R. = 18m Wt. Loss = 21%
Refractometer Correction Factor	1.15

Machining Operations:

Screw Cutting, Reaming, Gear Cutting, Broaching, Deep Hole Boring