



Excellfluid NP

Formaldehyde free water-mix metalworking fluid designed for general purpose machining

Product code: S007

Product Description:

Excellfluid NP is a water-mix cutting fluid which forms a milky type emulsion when mixed with water. This new improved version of Excellfluid NP possesses greater biostability for extended sump life, greatly improved rust protection, consistent pH in a variety of water types and improved miscibility (spontaneity) when added to water.

Benefits:

- Multi-metal compatible
- Produces a high degree of machine tool lubrication
- Suitable for a wide range of machining applications
- Hard and soft water compatible 0 – 400ppm
- Improved sump life in comparison to more conventional milky soluble oils
- Low unit cost
- Easy mixing when added to water
- Free from Boron, DCHA, Chlorine and formaldehyde releasing biocides.

Application:

Excellfluid NP should be used at concentrations higher than its specified corrosion break point. Maximum machining performance can be achieved at concentrations of up to 12%; however, most operations will be completed with concentrations in the range 5% to 10%.

Typical Test Data:

Appearance	Amber liquid
Emulsion Type	Milky White
Foaming Tendency @5% emulsion in 50ppm water	Nil foam after 5 seconds
Specific Gravity at 20°C	0.900 typical
pH @ 5%	9.3 typical
Refractometer Factor	1.0
IP 287 Corrosion Break Point, % Volume:	4.0
Reichert Lubricity Characteristics at 10% dilution:	
Noise Reduction (metres)	82
Load Bearing Capacity (Kg/mm ²)	1.050

Machining Operations:

General purpose machining such as milling, drilling, turning and sawing of free cutting steels and certain non-ferrous metals.