

ECOCOOL 600 NBF C

Water miscible semi-synthetic coolant for medium severe machining of ferrous metal and ferrous alloys

Description

ECOCOOL 600 NBF C is a low-mineral oil contained, water-miscible semi-synthetic cutting fluid which is specially designed for multi-purpose machining applications on cast iron, carbon steel and ferrous alloys. It will form a long-life, stable and finely dispersed clear translucent emulsion when mixed with water. ECOCOOL 600 NBF C is free of nitrite, chlorine and phenols.

Benefits

- Very low foaming even in soft water.
- Outstanding anti-corrosion property.
- Rejects tramp oils to the surface of the fluid for easy removal
- Excellent lubricity and flushing properties
- Extends tool life in arduous machining
- Provides superior corrosion inhibition for all types of ferrous metals

- Multi-functional performance allows one coolant for normal and severe machining operations.
- Stable in hard water up to 1000 ppm CaCo3/l.

Application

- ECOCOOL 600 NBF C is suitable for cast iron, carbon steel and ferrous alloys.
- ECOCOOL 600 NBF C is recommended for drilling, milling, reaming, tapping, boring, and grinding operations.
- Recommend concentration:

Grinding:	3 - 4%
Normal operation:	4 - 7%
Difficult operation:	7 - 12%

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Storage

Room temperature

Characteristics

Property	Unit	ECOCOOL 600 NBF C	Test method
Appearance	-	clear	visual
Density (15 °C)	g/cm ³	0.99	GB/T 1884
Color	-	< 1.0	GB/T 6540
pH (10% solution, SH tap water)	-	9.75	DIN 51369
Corrosion test (3% solution, 24 h)	grade	0	DIN 51360 - T 2
Refractor meter index	-	1.4	FLP *)

The characteristics do not constitute a specification.

*) FLP = FUCHS Lab Procedure

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printed on 23/02/2010

