B-Cool 9665

Art.No. 19665-05

Description

B-Cool 9665 is a water miscible, chlorine free, low mineral oil containing semi-synthetic cutting fluid. The characteristics of this product are high cutting performance, low foaming behaviour in soft water, good stability and low consumption.

Range of application

Cutting fluid for low to heavy duty machining and grinding of titanium alloys, stainless steel, steel and cast iron. It is ideal for stand-alone machines and central systems.

Product properties		Benefits
Very good cutting performance	➔	allows high productivity long tool life
Extreme emulsion stability	➔	long sump life, biostable low disposal costs
Very low foaming behaviour in soft water and under high pressure conditions	➔	ideal for high cutting speeds and high pressure
Outstanding rinsing behaviour	➔	very low consumption
Excellent corrosion protection	➔	Protects parts and machines already at low concentrations

Physical-chemical data

	Concentrate	Emulsion
Colour	yellow, clear	transparent, milky
Mineral oil content	6 %	
Density at 20°C	1.01 g/cm^3	
Viscosity at 40°C	14 mm^2/s	
Flash point	> 130°C	
pH-value (fresh emulsion)		9.2 – 9.6
pH-value (used emulsion)		8.8 – 9.2
Refractometer factor		1.8

Note

The product does not contain:*

Chlorine (Without active addition of chlorinated EP additives), heavy metals, boron, silicone, nitrosamine, glycol ether.

* The substances listed here are not part of the formula, but trace amounts of these substances may be present

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Concentration of use

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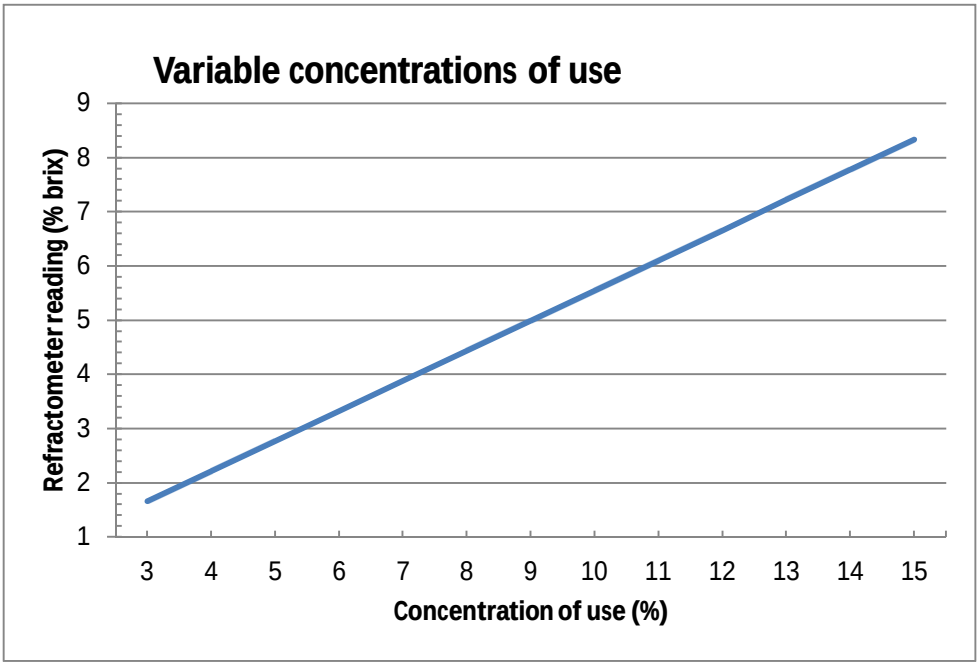
3 – 15%
(refractometer reading: 1.6 – 8.3)

3 – 5% (cast iron mind. 4%)
(refractometer reading: 1.6 – 2.7)

7 – 10%
(refractometer reading: 3.8 – 5.5)

Max. water hardness for topping up: 5°dH / 90 ppm

The product has a very low top-up rate. But a minimum of 0.5 % concentration has to be refilled in any case.



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