



Art.No. 19665-45

# B-Cool 9665

## 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 behavior in soft water, good stability and low consumption.

## Range of application

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

### Product properties

Very good cutting performance



Extreme emulsion stability



Very low foaming behavior in soft water for high pressure applications



Outstanding rinsing behavior



Excellent corrosion protection



### Benefits

allows high productivity  
long tool life

long sump life, biostable  
low disposal costs

ideal for high cutting speeds and high pressure application

very low consumption

Protects parts and machines already at low concentrations

## Physical-chemical data

### Concentrate

Colour	yellow, clear
Mineral oil content	6 %
Density at 20°C	1.01 g/cm <sup>3</sup>
Viscosity at 40°C	20.4 mm <sup>2</sup> /s
Flash point	130°C // 266°F
pH value (fresh emulsion)	
pH value (used emulsion)	
Refractometer factor	

### Emulsion

transparent, milky

## Note

The product does not contain:\*

Nitrite, nitrite releasing agents, formaldehyde, formaldehyde releasing substances, heavy metals, triazine (HHT), boron acid ester, diethanolamine, NDELA and/or nitrosamines, silicone, polychlorinated biphenyls and terphenyls (PCB, PCT) TCDD, dioxin-containing substances, chlorines or other halogens.

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

## Concentration of use

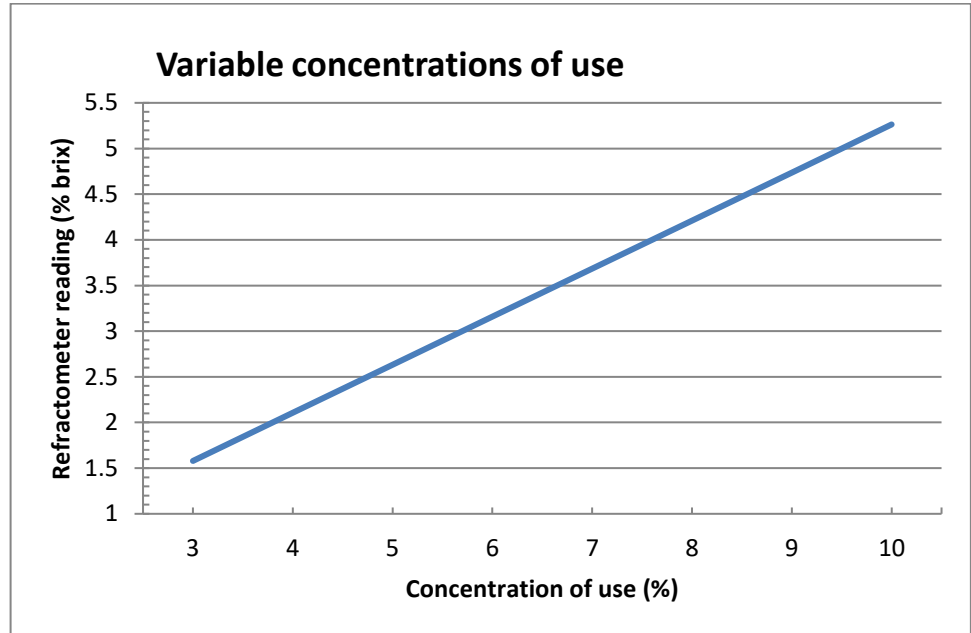
Variable concentrations from 3% to max. 10% (refractometer reading: 1.6 - 5.3%)

- Machining 5 – 10% (refractometer reading: 2.6 – 5.2%)

- Grinding 3 – 5% (refractometer reading: 1.7 – 2.8%)

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.



Information contained in this data sheet is based upon the properties and applications of use as known to us. However, generally no legal liability may be deducted from such information.  
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