

# B-Cool MC 610

Art.-Nr. 11610-01

## Description

B-Cool MC 610 is a water-miscible metalworking fluid with a low mineral oil content. The product's distinguishing features are its universality, machine cleanliness, high cutting performance, as well as low-foaming properties in soft water

## Range of application

B-Cool MC 610 is applicable for machining of cast iron, steel, stainless steel, aluminum, pure copper and copper base alloys.

### Benefits

Clean machines

→ The color of the emulsion does not change when casting and copper are being machined

Residue-free machining of materials containing lead

→ Tolerant to lead leaching

No stain formation on copper and aluminum alloys

→ Good material compatibility

No residue formation and low consumption

→ Very good rinsing behavior

Long tool life

→ High cutting performance

### Product properties

## Physical-chemical data

### Concentrate

### Emulsion

Appearance

light yellow, clear

whitish

Mineral oil content [%] 15

Density at 20°C  
[g/cm<sup>3</sup>]

1.001

Viscosity at 40°C  
[mm<sup>2</sup>/s]

57.1

Flash point

>130

pH-value (fresh emulsion, typical value)

9.5

pH-value (in use)

8.8 - 9.1

Refractometer factor

1.4

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**Safety and environmental aspects**

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Please refer to the product-specific safety data sheet (SDS) for disposal, environmental and safety information. The SDS are available for download on our website (blaser.com).

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**Note**

The product does not contain\*: chlorine\*\*, heavy metals, boron, silicone, nitrosamines, glycol ethers, formaldehyde

\*The substances listed here are not part of the formula, but trace amounts of these substances may be present. / \*\*Without active use of chlorinated EP additives

Recommended antifoam: Additive A34, Art. No. 29108

Restriction: The percentage of copper alloy machining should not exceed 30% per machine, especially for leaded brass/bronze.

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**Concentration of use**

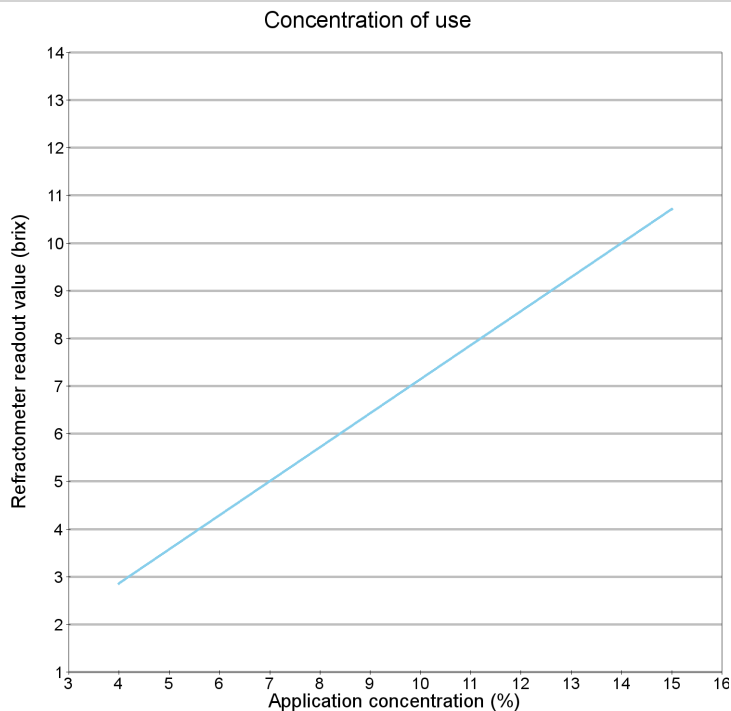
Variable concentration from 4–15% (Refractometer reading: 2.9 – 10.7)

Best results machining applications 7–15% (Refractometer reading: 5 – 10.7)

Max. hardness of preparation water: 20°dH / 356 ppm

This product has a very low top-up rate. However, in any case, at least 0.5% of concentrate must be added.

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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.V1//22.12.2020 14:01:06

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