

# Mabanol Cut MS 52 BF

Mineral oil-free, water-emulsifiable metalworking fluid concentrate

### Application

Mabanol Cut MS 52 BF is a boric acid-free coolant concentrate, suitable for grinding of hard metal and carbide tools.

### Properties

Mabanol Cut MS 52 BF offers good cooling and rinsing properties as well as good technical stability.

Furthermore the concentrate prevents cobalt leaching.

The concentrate can be used universally in freestanding machines and central systems.

### Remarks

Correct preparation of a fresh solution is ensured by slowly pouring the concentrate into water while stirring continuously. Alternatively, an automatic mixing device may be used. The recommended concentration varies depending on the application and the materials which are machined:

grinding: from 6%

The concentration of the in-use solution may be verified by using a refractometer. The refractometer reading must be multiplied by the refractometer factor to reach the desired concentration. Based on current knowledge the product could be used for processing of most yellow metals and yellow metal alloys. However the tendency of the yellow metals and yellow metal alloys to stain should be verified in advance. Minor variations in colour and appearance could occur depending on the selected raw materials but have no impact on the functionality of the fluid.

### Data

	Unit	Value
<b>Concentrate</b>		
Mineral oil	%	0
Kin. Viscosity at 20 °C	mm <sup>2</sup> /s	14
<b>Emulsion</b>		
pH at 5%		8,9
Corrosion protection DIN 51360/2		6% – note 0 (no staining)
Refractometer factor	%/Brix	1,5

### Shelf life / storage conditions

Stable for 12 months when stored at a temperature of 5 °C to 40 °C in unopened containers

The above values may vary within the commercial limits.

Updated in August 2018