Mabanol Cut Syn 46

Mineral oil-free, water-soluble metalworking fluid concentrate

Application
Mabanol Cut Syn 46 is a water-soluble coolant concentrate that can be used for grinding and general machining. The product can be used for machining alloyed and unalloyed steels and cast iron.
Due to its specially selected components, the amine-containing cooling lubricant offers high performance and good anti-corrosion properties.

Properties
Mabanol Cut Syn 46 offers good cooling and rinsing properties in soft and hard preparation water, low discharge and, thanks to its very good technical stability, long service lives. The product produces stable solutions in make-up water from 0 °dH to 20 °dH; solusion in use is stable up to 40 °dH.
Mabanol Cut Syn 46 is free from boric acid and formaldehyde separators.

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 depends on the application and the materials to be machined:

Grinding and general machining depending on application and water hardness: 5%-12%

The concentration of the in-use solution may be checked by using a refractometer. The refractometer reading must be multiplied by the refractometer factor to arrive at the concentration.
Minor variations in color and appearance are possible due to the raw materials chosen, but have no influences on the functionality of the product.

Data

	Unit	Value
Concentrate		
Mineral oil	%	0
Kin. Viscosity at 20 °C	mm^2/s	approx. 70
Solution		
pH at 5%		9,5
Corrosion protection DIN 51360/2		4% – note 0 (no corrosion)
Refractometer factor	%/Brix	1,4

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.
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