

Mabanol Stamp 190 Concentrate

Mineral oil-free, water-emulsifiable metalworking fluid concentrate

Application

Mabanol Stamp 190 Concentrate is a water-emulsifiable, ester-based cooling lubricant concentrate for stamping, drawing and forming alloyed and unalloyed steels.

The boron-free, amine-containing cooling lubricant is free of formaldehyde releasers and is versatile due to a special and high-quality emulsifier system, modern technology and excellent lubricating components.

Properties

Mabanol Stamp 190 Concentrate guarantees excellent cooling and rinsing properties, good corrosion protection properties and, thanks to its very good technical stability, long emulsion service lives. In addition, the well-balanced combination of active ingredients achieves a high surface quality and low tool wear.

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:

Punching, drawing and forming: from 10%

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.

Sustainability

Mabanol Stamp 190 Concentrate is based on renewable raw materials and has been proven to contribute to a reduction in CO₂ and an improved ecological balance compared to mineral oil-based cooling lubricants.

Data

	Unit	Value
Concentrate		
Mineral oil	%	39
Kin. Viscosity at 20 °C	mm ² /s	157
Emulsion		
pH at 5%		9,1
Corrosion protection DIN 51360/2		7% – note 0 (no corrosion)
Refractometer factor	%/°Brix	1,0

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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