

Mabanol Spindle Cooling

Water-miscible corrosion inhibitor and antifreeze fluid

Application

Mabanol spindle cooling is a water-miscible concentrate that was developed for spindle cooling in machine tools.

The boric acid-free, amine-containing concentrate contains no formaldehyde releasers and, due to its special structure, can also be used as a corrosion and frost protection additive for machine tools.

Properties

Mabanol spindle cooling contains stabilizers for long-term use and offers pronounced frost protection properties. The product ensures very good protection against cavitation and deposits and does not permit the decomposition of rubber parts and seals. When using the recommended concentration, there is good corrosion protection for steel and cast parts.

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:

Spindle cooling in machine tools, corrosion and frost protection additive: 30 %

The concentration of the in-use solution can be checked by using a refractometer. The refractometer reading must be multiplied by the refractometer factor to reach the desired-concentration.

Data

	Unit	Value
Concentrate		
Kin. Viscosity at 20°C	mm ² /s	20
Mineral oil	%	0
pH		9,3
Emulsion		
Refractometer factor	%/Brix	1,6

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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