

Mabanol Cut 262 BF

Mineral oil-based, water-emulsifiable metalworking fluid concentrate

Application

Mabanol Cut 262 BF is a water-emulsifiable metalworking fluid concentrate especially for grinding and general machining of plastics, cast iron, steel and alloyed steel.

The boric acid-free, amine-based cooling lubricant is free of formaldehyde releasers and can be used in a variety of ways thanks to a special, high-quality emulsifier system, modern technology, and excellent lubricating components. The polar lubricating components and the pH value adjustment during use are optimized for cast iron and steel processing.

Properties

Mabanol Cut 262 BF ensures good technical stability and offers excellent cooling and detergency properties. The product produces stable emulsions in make-up water from 5 °dH to 30 °dH; emulsion in use is stable up to 60 °dH. It can be used as a universal metalworking fluid for both freestanding 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 depends on the application and the materials to be machined:

Grinding: from 5%

General machining: from 8%

In general, the tendency to spotting should be checked before machining aluminum alloys. If necessary, the compatibility of the emulsion with non-ferrous metals can be increased by adding a thickening agent.

Data

	Unit	Value
Concentrate		
Mineral oil	%	approx. 20
Kin. Viscosity at 20 °C	mm ² /s	460
Emulsion		
pH at 5%		up to 10,4 (drops during use)
Corrosion protection DIN 51360/2		4% – note 0 (no corrosion)
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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