

Technical Information

■ hebro[®]lub 921

Product

hebro[®]lub 921 is a modern, universal, mineral oil containing high performance cooling lubricant.

Characteristics

hebro[®]lub 921 is a cooling lubricant based on high-quality raw materials and combines therefore a high long term stability with a good corrosion protection and at the same time an excellent kind of flow as well as wetting and flushing power.

The special formulation ensures a foam-inhibited operation at low water hardness and very well emulsion stability at high water hardness and provides high process safety.

hebro[®]lub 921 is all-purpose and can also be used for different treatments like turning, milling, drilling, sawing and grinding.

A semitransparent, fine-particle cooling lubricant with high long term stability and outstanding kind of flow, particularly universally applicable.

hebro[®]lub 921 is especially suitable for the treatment of steel and aluminium, is also used for the treatment of stainless steel and cast iron as well as non-ferrous and hard metal in mixed operation.

hebro[®]lub 921 in its composition corresponds to the state-of-the-art and therefore also to TRGS 611 as well as latest requirements to the labour protection.



Application area

hebro[®]lub 921 is used all over there, where a high long term stability, a good corrosion protection and an outstanding kind of flow as well as wetting and flushing power is necessary.

hebro[®]lub 921 is used in all machine tools, which are suitable for mineral oil containing cooling lubricants.

hebro[®]lub 921 is all-purpose and used in a multitude of materials and machining methods.



→ 2

Technical Information

2

Dosage

For application a ready for use emulsion is prepared from the **hebro®lub 921** concentrate. Depending on material and treatment an application concentration of 4 % is chosen.

We recommend the mixing via modern cooling mixers (e. g. Dosatron), alternatively the emulsion can be occurred conventional through slow sealing in provided drinking water stirring thoroughly.

The received emulsion should be added directly into the machine to avoid long intermediate storage times.



Note: The Dosatron-pump produces no constant emulsion concentration due to construction. The mean value over a certain running period of the pump is equal.

A check-up of concentration should be carried out in regular intervals. A few drops of the emulsion are applied on the hand refractometer and the value (%Brix) is read. This value is multiplied with the product specific factor (Rf). For **hebro®lub 921** the refractometer value is $Rf = 1.2$



hebro®lub 921 (weight %) = mesurand (%Brix) x 1.2

Technical data

Density at 20°C (DIN51757): 0.97 g/cm³
 pH-value: 5% in water: 9.0
 Application concentration: ex 4%

Determination of concentration via refractometer: factor 1.2



Note

Care measures match with the process increase considerable the durability of the emulsion. For this we will happily advise you.

