

Technical Information

hebro[®]lub 756 EP

Water-soluble cooling lubricant containing mineral oil

Characteristic structure

| Mineral oil | EP | Amine | Boron | Chlorine | FAD |
|-------------|----|-------|-------|----------|-----|
| X | X | - | - | - | X |

hebro[®]lub 756 EP is a high-performance cooling lubricant for heavy machining processes (e.g., deep drilling, thread cutting), which is especially suitable for aluminium, stainless steel and titanium. It is also suitable for machining steel and non-ferrous metals in mixed operation.

Properties

- Excellent lubrication performance
- Excellent corrosion protection
- High long-term stability
- Good flushing and drainage behaviour
- Good emulsion stability in an area with medium to hard water

Technical specifications (typical values)

Concentrate

| Colour | Mineral oil content | Viscosity at 20 °C (ASTM D 7042) | Density at 20°C (ASTM D 7042) |
|------------------------|---------------------|-------------------------------------|----------------------------------|
| brown, slightly cloudy | >20% | 192 mm ² /sec | 0.98 |

Emulsion (5%)

| Colour | pH value (Tap water) | Corrosion protection grade (DIN 51360-2) | Refractometer factor |
|--------------|-------------------------|---|----------------------|
| cloudy-milky | fresh: approx. 9.0 | 0 ≥ 3.0% | 1.0 |

Recommended concentration for application

Steel, aluminium, non-ferrous metals: 5-7%

Stainless steel, titanium: 5-9%

Information

For mixing the emulsion, we recommend the use of modern cooling lubricant mixing devices (e.g., Dosatron); alternatively, the emulsion can also be mixed by slowly pouring the concentrate into drinking water while stirring thoroughly.

The minimum shelf life in the sealed original container is 12 months from the date of production.

Store the product frost-free at 5-40°C.

The information provided in this data sheet is based on the properties and possible applications known to us. In general, however, no legal obligation can be derived from these data. We reserve the right to make changes to the product if these are necessary, owing to legislation or the discontinuation of raw materials.