

HIGHTEC COOL MMU 6 LPP

All-purpose, water-miscible cooling lubricant for machining.

Description

HIGHTEC COOL MMU 6 LPP is a water-miscible cooling lubricant (free of boron) containing mineral oils with selected EP/AW corrosion protection agents.

Application

HIGHTEC COOL MMU 6 LPP forms a milky, stable emulsion when mixed with water. HIGHTEC COOL MMU 6 LPP is recommended for the machining of cast iron, steel, stainless steel and non-ferrous metals. It is also suitable for straightforward aluminium machining.

Benefits

- Good emulsion stability
- High performance
- Long service life
- Suitable for all applications
- Good starting ability, even with cold mixing water
- It does not contain any secondary alkanol amines and thus complies with TRGS 611
- Good storability, even in colder regions
- Chlorine-free

Recommendation

- Machining (drilling, turning, milling)
- Grinding

Recommended concentration to be used:

Machining 5-10%

Grinding process: 4-6%

Mixing temperature range: 15-20°C

Notices

Degreasing

Workpieces contaminated with HIGHTEC COOL MMU 6 LPP can be degreased using conventional degreasing media, for example by spray cleaning or immersion cleaning with aqueous-alkaline cleaning agents.

Storage

- When stored in dry, frost-free rooms and in original, unopened containers the storage period is: 9 months
- Temperature range: -10 - +35°C

Typical characteristics

Property	Method	Unit	Value
Density at 15 °C	ASTM D-7042	g/ml	0.9585
Pour point	ASTM D-97 / DIN EN ISO 3016	°C	-36
Color of the emulsion	visuell	-	milchig-opak
Refractometer factor	-	-	0,91
Mineral oil content	-	Gewichts-%	< 58
pH of a 5% emulsion	DIN 51369	-	9,1
pH of a 10% emulsion	DIN 51369	-	9,2

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