

HIGHTEC COOL MMU 2

All-purpose, water-miscible cooling lubricant for machining

Description

HIGHTEC COOL MMU 2 is a water-miscible cooling lubricant (free of boron) containing mineral oils with selected EP/AW corrosion protection agents

Application

HIGHTEC COOL MMU 2 forms a milky, stable emulsion when mixed with water.

HIGHTEC COOL MMU 2 is recommended for the machining of cast iron, aluminium and non-ferrous metals.

Advantages

- 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
- Chlorine-free

Recommendation

- Machining (drilling, turning, milling) - Grinding Recommended concentration to be used: Machining 5-10% Grinding process: 5-7%
Mixing temperature range: 15-20°C

Notes

- Degreasing
- HIGHTEC COOL MMU 2 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	0.951
Kinematic viscosity KV 40	ASTM D-7042	mm²/s	35
Density at 20 °C	ASTM D1122	g/ml	0.951
Refractometer factor	-	-	1
Color of the emulsion		visual	milchig-opak
Mineral oil content		wt-%	40 - 48
pH of a 5% emulsion	DIN 51369	-	8,9
Corrosion protection (chip test) grade 0	DIN 51360/2	%	5

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