

## 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.

### 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
- 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

### Notices

#### 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
Density at 20 °C	ASTM D1122	g/ml	0.951
Kinematic viscosity KV 40	ASTM D-7042	mm <sup>2</sup> /s	35
Color of the emulsion	visuell	-	milchig-opak
Refractometer factor	-	-	1
Mineral oil content	-	Gewichts-%	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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