

## HIGHTEC COOL MMU 1

All-purpose, water-miscible cooling lubricant for machining

### Description

HIGHTEC COOL MMU 1 is a water-miscible cooling lubricant (free of boron) containing mineral oils with selected EP/AW agents.

### Application

HIGHTEC COOL MMU 1 forms a milky, stable emulsion when mixed with water.

HIGHTEC COOL MMU 1 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

Field of application: - Machining (drilling, turning, milling) - Grinding

Recommended concentration to be used: Machining 5-10%

Grinding process: 5-7%

### Notes

- Degreasing:
- HIGHTEC COOL MMU 1 can be degreased using conventional degreasing media, for example by spray cleaning or immersion cleaning in aqueous-alkaline cleaning agents.
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- Mixing temperature range:
- 15-20°C



## Typical characteristics

Property	Method	Unit	Value
Density at 20 °C	ASTM D1122	g/ml	0.928
Refractometer factor	-	-	1
pH of a 5% emulsion	DIN 51369	-	9
Corrosion protection (chip test) grade 0	DIN 51360/2	%	5

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