

## HIGHTEC CUT MSS 18

Powerful, water-immiscible cooling lubricant for machining low-alloy to medium-alloy steels

### Description

HIGHTEC CUT MSS 18 is based on premium base oils and the most advanced, high-performance additives. The selected polar and high-pressure additives ensure low tool wear and high cutting speeds. The outstanding rinsing activity ensures clean workpieces and machinery.

### Application

HIGHTEC CUT MSS 18 is used undiluted and can be applied with all common application systems.

### Advantages

- Chlorine-free
- Virtually free of aromatic compounds
- High machining speeds are possible and thus a low production time per piece
- Skin-friendly
- Low tendency to evaporate
- Good EP performance and high stock removal rate
- Good cooling and wetting characteristics
- Good surface quality and dimensional stability
- Good rinsing effect
- Good settling behaviour of the abraded particles that arise during machining

### Recommendation

Field of application: - Moderate to heavy milling on automatic dispensers and gear cutting machines - Thread and gear flank grinding HIGHTEC CUT MSS 18 can be used to machine low-alloy to medium-alloy steels.

### Notes

- Storage:
- When stored in dry, frost-free rooms and in original, unopened containers the storage period is: 36 months
- Temperature range: 0- 40°C
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- Degreasing:
- HIGHTEC CUT MSS 18 can be degreased using conventional degreasing media, for example by spray cleaning or immersion cleaning with aqueous-alkaline cleaning agents.



## Typical characteristics

Property	Method	Unit	Value
Density at 15 °C	ASTM D-7042	g/ml	0.867
Kinematic viscosity KV 40	ASTM D-7042	mm <sup>2</sup> /s	18
Flash point	ASTM D-92 / DIN EN ISO 2592	°C	>150

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