

## HIGHTEC CUT NK 1

High-performance concentrate for water-immiscible, metal-working oils

### Description

HIGHTEC CUT NK 1 is a particularly strong additive-enhanced, high-performance concentrate, which has been developed specifically for machining steels and stainless steels. HIGHTEC CUT NK 1 contains special EP additives that lead to an improvement in the pressure absorption capacity.

### Application

HIGHTEC CUT NK 1 can be added to chlorine-free cutting and metal forming lubricants (1%-50%).

### Benefits

- Chlorine-free
- Extremely high EP performance
- Extension of the tool life
- Depending on the application, chlorine-containing machining media can be easily replaced
- Compatibility with all common water-immiscible metal-working oils

### Recommendation

Cutting

Metal forming (e.g. deep drawing, bending)

HIGHTEC CUT NK 1 is not suitable for machining non-ferrous metals.

### Notices

Degreasing

HIGHTEC CUT NK 1 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: 36 months
- Temperature range: 0- 40°C

### Typical characteristics

Property	Method	Unit	Value
Density at 15 °C	ASTM D-7042	g/ml	0.965
Kinematic viscosity KV 40	ASTM D-7042	mm <sup>2</sup> /s	43,0
Flash point	ASTM D-92 / DIN EN ISO 2592	°C	> 150

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