

HIGHTEC COOL SSH 1

Water-miscible cooling lubricant for carbide grinding without mineral oils

Description

HIGHTEC COOL SSH 1 is a mineral oil-free, water-miscible cooling lubricant that has been developed specifically for grinding of carbide materials. HIGHTEC COOL SSH 1 does not contain any easily nitrosatable amines. HIGHTEC COOL SSH 1 is well tolerated by the skin and provides good corrosion protection.

Application

HIGHTEC COOL SSH 1 is mixed by slowly pouring and stirring into the potable water provided. The mixture produces an odourless and stable solution.

Benefits

- High lubricating performance
- Prevention of cobalt complex formation
- Very stable solution (long product life)
- Low tendency to foam
- Good wetting and flushing action
- High corrosion protection
- Skin-friendly
- Chlorine-free

Recommendation

Particularly suitable for grinding carbides, steel and cast iron.

Recommended concentration to be used:

Grinding of carbides and steel > 3%
Grinding of cast iron > 4%

Mixing temperature range:

15-25°C

Notices

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 20 °C	ASTM D1122	g/ml	1.12
Refractometer factor	-	-	2,3
pH of a 10% emulsion	DIN 51369	-	9,3
Corrosion protection (chip test) grade 0	DIN 51360/2	%	3
pH of a 2% emulsion	-	-	9,1

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