

## 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

The characteristics shown are typical of current production. This data cannot be constructed as a legally binding warranty or guaranty of certain product properties or of the suitability of the product for a specific application. ROWE products are continually improved. Therefore ROWE reserves the right to change all the technical data in this product information at any time without notice. All sales and deliveries shall be subject to our current General Terms and Conditions of Sale and Terms ([www.rowe-oil.com](http://www.rowe-oil.com)).

