

## HIGHTEC COOL SMU 2

All-purpose, water-miscible cooling lubricant without mineral oils

### Description

HIGHTEC COOL SMU 2 is a mineral oil-free, water cooling lubricant with an especially skin-friendly and virtually odourless formulation. HIGHTEC COOL SMU 2 is free of boron, nitrite and nitrate. HIGHTEC COOL SMU 2 does not contain any easily nitrosatable amines.

### Application

HIGHTEC COOL SMU 2 forms a stable, opalescent emulsion when mixed with water. HIGHTEC COOL SMU 2 is recommended for the machining of grey cast iron, stainless steel, aluminium and non-ferrous metals.

### Benefits

- Very high lubricating performance
- High corrosion protection
- Long service life
- Very good dirt carrying capacity
- Low tendency to foam
- Good starting ability, even with cold

mixing water

- Biodegradable
- It does not contain any secondary alkanolamines and alkanolamides
- Complies with TRGS 611
- Chlorine-free

### Recommendation

- Drilling, turning, milling, sawing
- Grinding
- Deep-hole drilling, thread cutting
- Broaching, reaming
- Machining of automatic dispensers

Recommended concentration to be used:

- General: 6-8%
- Deep drilling, thread cutting, broaching and reaming: 7-9%

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	0.991
Refractometer factor	-	-	1,08
Ester content	-	Gewichts-%	30 - 40
pH of a 10% emulsion	DIN 51369	-	9,2 - 9,4
Corrosion protection (chip test) grade 0	DIN 51360/2	%	5

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).

ROWE MINERALÖLWERK GMBH  
Langgewann 101, D-67547 Worms



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