



# Eni metalGrind S 10 CBN

**Eni metalGrind S 10 CBN** is a chlorine free, low mist, low viscous grinding oil based on mineral oil in combination with selected synthetic esters.

## Characteristics (typical figures):

Eni metalGrind S 10 CBN		Unit	Test method
Colour	Yellow		
Viscosity at 40°C	10,5	mm <sup>2</sup> /s	DIN 51 562
Density at 20°C	0,86	g/ml	DIN 51 757
Flashpoint	176	°C	DIN ISO 2592
Copper corrosion	1-100A3	Corr.-grade	ASTM D 130

## Properties and Performance:

- low aromatic, based on mineral oils, good heat absorption and abstraction ability
- zinc and heavy metal free
- good oxidation stability, low oil mist, very good air release properties
- very good ageing stability, excellent rinsing and cleaning properties
- EP and AW agents increase the pressure absorption ability
- low grinding temperatures due to polar components, good corrosion protection
- excellent rinsing and wetting properties

## Applications:

**Eni metalGrind S 10 CBN** is a high speed grinding oil and is preferably suitable for grinding with CBN and diamond grinding wheels. With this product difficult grinding operations such as plunge, slot, form, surface grinding, high speed peripheral grinding and others of nonferrous metals, steel materials and tool steels (HSS) are accomplished without problems. Especially suitable for crankshaft and camshaft grinding with CBN at high cutting speeds.

## Information:

Observe the valid VDI Guidelines 3035 and 3397 (1 - 3) when using the product. To maintain the function of a cooling lubricant the product has to be stored frost free.

The product is a water hazardous liquid.

The BGR/GUV-R 143 - Operations with cooling lubricants - has to be observed for safe handling.

For specific technical questions please contact our technical department. Get information in reference to our training seminar about the subject cooling lubricants.