PRODUCT DATA SHEET

Eni metalCut S 2000

Eni metalCut S 2000 is a synthetic high performance cutting oil of the new generation.

Characteristics (typical figures):

Eni metalCut S 2000		Unit		Test method
Viscosity	at 40°C	mm²/s	32	DIN 51 562
Density at 15°C		kg/m³	921	DIN 51 757
Flash point		°C	370	DIN ISO 2592
Copper corrosion		Corr.-grade	1-100A3	DIN 51 759

Properties and Performance:

Eni metalCut S 2000 is an aromatic free, extremely low oil misting and low evaporation metal working fluid based on a new synthetic base oil with an exquisite additive combination. It is temperature stable and has in spite of its relatively low viscosity excellent pressure absorption and adhesive properties.
The zinc and sulphur free additization ensures stainless surfaces also when machining nonferrous copper metals. Due to the EP and AW agents an extremely high lubricating effect can be guaranteed whereby the developing friction heat at the intersecting point is reduced to a minimum and high service life of the tools can be guaranteed. **Eni metalCut S 2000** has good adhesive properties on all metal surfaces.

Applications:

Eni metalCut S 2000 can be used for all cutting processes und is suitable for the machining of steel and cast iron as well as nonferrous metals at normal up to difficult operating processes. Due to the very good adhesive properties **Eni metalCut S 2000** can be used for minimum quantity lubrication or as additional lubrication. The film strength that has to be applied at minimum quantity lubrication has to be adjusted according to the type of application (dropping or spraying). The relatively low Viscosity also allows an application where there is a non-pressurised oil supply.

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 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.