



Eni aquamet LMK GG

Eni aquamet LMK GG is a water emulsifiable cooling lubricant concentrate for the general machining of cast iron and steel as well as for grinding.

Characteristics (typical figures):

Eni aquamet LMK GG		Unit	Test method
Mineral oil content	approx. 15	%	
Density at 15°	975	kg/m ³	DIN EN ISO 12185
Viscosity at 20°	119	mm ² /s	DIN EN ISO 3104
pH value 5%	10,1		DIN 51369
Corrosion test (5%)	Grade 0		DIN 51360/2

Properties and Performance:

- boric acid free, amine containing cooling lubricant
- also suitable at high water hardness (up to 60°dH at application)
- very good technical stability and therefore long emulsion service life
- low foaming emulsion in the recommended water preparations
- forms stable emulsions with water preparations of 10°dH to 30°dH
- fine disperse emulsions provide good cooling and rinsing properties
- good corrosion protection
- universally applicable in single filled machines as well as central systems
- free of formaldehyde depot substances

Applications:

Due to the excellent coordinated emulsifying system the product excels with high performance, outstanding rinsing effect as well as the application in soft and hard preparation water. This product of the latest generation meets every requirement to an efficient, very stable cooling lubricant with high performance.

The recommended application concentration depends on the application as well as the materials to be processed:

Grinding, as well as machining of cast iron and steel: ab 6%

The concentration determination of the operating emulsion can be made with a hand refractometer. For this the read value is multiplied with the refractometer factor.

Factors: Refractometer - 1,8



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Indications:

The product meets the requirements of the TRGS 611 Section 4. Please observe the valid VDI Guidelines 3035 and 3397 (1-3) as well as the Regulations of the TRGS 611 Section 5 for the application. When mixing always give the concentrate into the water, a more homogeneous emulsion is achievable by using an automatic mixing unit. A frost-free storage is necessary to maintain the functionality of the cooling lubricant concentrate.

The product is a water hazardous liquid.

The occupational medical precautions have to be observed according to GefStoffV (Ordinance on Hazardous Substances) §15, §16 and annex V.

The BGR/GUV-R 143 (professional society) - operations with cooling lubricants - has to be observed for a safety operation.

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

Notes:

Due to the selected raw materials slight differences in colour and appearance are possible. However these do not have any influence on the functionality of the product.

Please take information on safe handling from the Material Safety Data Sheet.