



eni aquamet LMK 2020 Plus

eni aquamet LMK 2020 Plus is a water miscible, mineral oil containing chlorine-free high performance cooling lubricant of the latest generation, universal applicable.

Characteristics (typical figures):

eni aquamet LMK 2020 Plus		Unit	Test method
Total oil content	40	wt%	
Density (15°C)	919	kg/m ³	DIN 51 757
Viscosity (20°C)	ca.120	mm ² /s	DIN 51 562
pH value (5%)	9,7 – 9,9		DIN 51369
Corrosion test (4%)	0-0	Corr.-grade	DIN 51360 T.2

Properties and Performance:

- low foam cooling lubricant emulsion with selected EP additives
- very good wetting and flushing properties, highly efficient corrosion protection
- meets the TRGS 611
- long service time due to permanent buffering, extra ordinary pH value stability
- consideration of the latest occupational health information

Applications:

eni aquamet LMK 2020 Plus is a universal cooling lubricant for all medium and severe machining processes of metallic materials.

Recommended application concentration:

- | | |
|---|-------------|
| • normal machining processes: | 5,0% +/- 1% |
| • severe machining operations according to the requirements | 7,0% - 10 % |
| • Grinding: | 4,0% |
| • Refractometer: | 1,02 |

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 BG (professional society) regulation 143 - 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.