



Eni aquamet LMK - DC

Eni aquamet LMK-DC is a water emulsifiable cooling lubricant concentrate that was specially developed for grinding for general machining of cast iron and due to the special composition also for the machining of alloyed and unalloyed steels.

Physical properties (typical values):

Eni aquamet LMK - DC		Unit	Test method
Mineral oil content	ca. 20	Gew%	
Density (15°C)	0,989	g/cm ³	DIN EN ISO 12185
Viscosity (20°C)	460	mm ² /s	DIN 51 562
pH-value (5%)	10,4 (decreases with use)		DIN 51369
Corrosion test (4%ig)	0-0	Corr.-grade	DIN 51360 T.2

Quality features:

- free of boric acid and formaldehyde deposits
- low-foam cooling lubricant emulsion with selected EP additives
- very good wetting and rinsing effect, highly effective corrosion protection
- corresponds to TRGS 611
- long operational levels through permanent buffering, extraordinary pH value stability
- Observation of the latest occupational health findings

Possible field of application:

Eni aquamet LMK DC is a universal cooling lubricant for all medium-heavy and heavy-duty machining work on cast iron, alloyed and unalloyed steels.

This product of the most modern generation meets every requirement for a high-performance, stable cooling lubricant.

Recommended use concentrations:

- general processing operations: from 8%
- difficult machining operations depending on requirements: 10%
- Grinding: from 5%

Refractometer factor: 1,6

Details:

The product complies with the requirements of TRGS 611 Section 4. For application, please observe the applicable VDI guidelines 3035 and 3397 (1-3) as well as the provisions of TRGS 611 Section 5. When mixing, always add the concentrate to the water provided; a more homogeneous emulsion can be achieved by using mixing devices. To maintain the functionality of the cooling lubricant concentrate, frost free storage is necessary.

The product is a water-polluting liquid.

Occupational health precautions must be considered in accordance with GefStoffV §15, §16 and Annex V. DGUV rule 109-003 – Activities with cooling lubricants (previously: BGR/GUV-R 143) – must be applied for safe handling.