PRODUCT DATA SHEET

Eni aquamet LMK - ACT

Eni aquamet LMK-ACT is a cooling lubricant with state-of-the-art technology. Thanks to its excellent cutting performance and excellent aluminum compatibility, the product is used in many areas.

Physical properties (typical values):

Eni aquamet LMK - ACT		Unit	Test procedure
Mineral oil content	40	Gew%	
Density (15 ºC)	959	kg/m³	DIN 51 757
Viscosity (20ºC)	ca.220	mm²/s	DIN 51 562
pH value (5%)	9,3		DIN 51369
Corrosion test	0-0	Korr.-Grad	DIN 51360 T.2

Quality features:

- free from 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 service life thanks to permanent buffering, extraordinary pH value stability
- Observation of the latest occupational health findings
- Excellent aluminum processing thanks to polar lubricating components and pH value adjustment during use

Possible uses:

Eni aquamet LMK ACT is specifically designed for machining numerous aluminum alloys, for example from the 2000, 5000, 6000 and 7000 groups (EN 573-3/4) and is also suitable for general to heavy-duty machining of steel and high-alloy steels .
Recommended use concentrations:

- general machining operations: 7.0% +/- 1%
- Difficult machining operations depending on requirements: 7.0% - 10%

Refractometer factor: 1.0

Notice:

The product complies with the requirements of TRGS 611 Section 4. For use, please observe the applicable VDI guidelines 3035 and 3397 (1-3) as well as the specifications 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. In order 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 taken into account 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.
Further information can be obtained from our application technology department. Find out about the seminar offering on the topic of cooling lubricants.