



Eni aquamet LMK - STO

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

Physical properties (typical values):

| Eni aquamet LMK - STO | | Einheit | Prüfverfahren |
|-----------------------|---------------------------|--------------------|---------------|
| Mineral oil content | ca. 30 | Gew% | |
| Density (15 °C) | 986 | kg/m ³ | DIN 51 757 |
| Viscosity (20°C) | ca.122 | mm ² /s | DIN 51 562 |
| pH value (5%) | 10.1 (decreases with use) | | DIN 51369 |
| Corrosion test (4%) | 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

Possible uses:

Eni aquamet LMK STO is a universal cooling lubricant for all medium and heavy cutting 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 machining operations: 7.0% +/- 1%
- Difficult machining operations depending on requirements: 8.0% - 10%
- Grinding: from 5%

Refractometer factor: 1.3

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.