



Eni aquamet EPE

Eni aquamet EPE is a water-miscible, mineral oil-free and chlorine-free, ester-based cooling lubricant.

Physical properties (typical values):

Eni aquamet EPE		Unit	Test method
Density (15°C)	1,015	g/cm ³	DIN EN ISO 12185
Viscosity (20°C)	177	mm ² /s	DIN 51 562
pH-value (5%)	9,3		DIN 51369
Corrosion test (4%)	0-0	Corr.-grade	DIN 51360 T.2

Quality features:

- very low-foaming cooling lubricant emulsion
- forms stable emulsions with water from 5°d to 60°d
- very good wetting and rising effect, highly effective corrosion protection
- latest generation cooling lubricant
- boric acid-free, amine-containing, ester-based cooling lubricant
- free from formaldehyde releasers

Possible field of application:

Eni aquamet EPE is a universal cooling lubricant for all medium-heavy and heavy-duty machining work on steels, cast iron and numerous aluminum alloys, such as the 2000, 6000 and 7000 group (EN 573-3/4)

Please note:

According to current knowledge, Eni aquamet EPE is suitable for machining most aluminum alloys. However, to be on the safe side, the tendency of the aluminum alloy to form stains should be checked before using Eni aquamet EPE.

Recommended use concentrations:

- Light to medium cutting: ab 5,0%
- Heavy cutting: ab 8,0 %
- Factors: Refractometer: 1,3

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.