



eni aquamet TOP EP OM

eni aquamet TOP EP OM is a water miscible, mineral oil containing, chlorine free high-performance cooling lubricant, universally applicable.

Characteristics (typical figures):

eni aquamet TOP EP OM		Unit	Test method
Mineral oil content	30	%	
Density at 15°C	980	kg/m ³	DIN 51 757
Viscosity at 20°C	120	mm ² /s	DIN 51 562
pH value (5%)	9,2		DIN 51369
Corrosion test (4%)	0-0	Corr.-grade	DIN 51360 T.2

Properties and Performance:

- low foaming cooling lubricant emulsion with selected EP agents
- very good wetting and rinsing properties, highly effective corrosion protection
- long service life due to permanent buffering, extraordinary ph value stability

Applications:

eni aquamet TOP EP OM is a universal cooling lubricant for all moderately severe and severe machining processes of aluminium, steels and cast iron.

Recommended application concentration:

Normal machining processes: 5% +/- 1%
 Difficult machining operations: 7,0% - 10%
 Grinding: 4,0%

Factors: Refractometer - 1,1

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 BGR/GUV 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.