



eni aquamet HD EP

eni aquamet HD EP is a water miscible, mineral oil containing, chlorine free high-performance cooling lubricant with special polar agents.

Characteristics (typical figures):

eni aquamet HD EP		Unit	Test method
Total oil content	40	%	
Density at 15°C	960	kg/m ³	DIN 51 757
Viscosity at 20°C	150	mm ² /s	DIN 51 562
pH value (5%)	9,2		DIN 51 369
Corrosion test (4%)	0-0	Corr.-grade	DIN 51 360 T.2

Properties and Performance:

- very low foaming cooling lubricant emulsion with selected EP additives
- very good wetting and rinsing properties, highly efficient corrosion protection
- meets the TRGS 611
- long service times due to permanent buffering, extraordinary pH value stability
- suitable for very high pressures

Applications:

eni aquamet HD EP is a universal cooling lubricant for all moderately severe and severe machining processes of aluminium, steel and cast iron, suitable for high water hardness.

Recommended application concentrations:

Normal machining processes	5,0% +/- 1%
Heavy machining	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 and the ArbMedVV.

The BGR/GUV-R (professional society) 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.