



eni aquamet SHM-A

eni aquamet SHM-A is a water soluble, mineral oil, chlorine and zinc free cooling lubricant for the production of a water-white, transparent cooling lubrication solution especially for hard metal grinding.

Characteristics (typical figures):

eni aquamet SHM-A		Unit	Test method
Density at 15°C	1120	kg/m ³	DIN 51 757
Viscosity at 20°C	10	mm ² /s	DIN 51 562
pH value (5%)	9,0		DIN 51369
Corrosion test (5%)	0-0	Corr.-grade	DIN 51360 T.2

Properties and Performance:

- good cooling properties, good observation of the grinding process
- very good wetting and rinsing efficiency, highly effective corrosion protection
- long service time, very low foam
- no adhesive residues
- amine and boron free

Applications:

eni aquamet SHM-A is a universal coolant solution for all moderately severe and severe grinding operations of steel and cast iron.

Recommended application concentration: 5 - 6%

Factors: Refractometer - 1,6

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 BG (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.