



eni aquamet SGM

eni aquamet SGM is a water soluble, mineral oil, chlorine and zinc free cooling lubricant for the production of a water-white, transparent coolant solution.

Characteristics (typical figures):

eni aquamet SGM		Unit	Test method
Density at 15°C	1125	kg/m ³	DIN 51 757
Viscosity at 20°C	25	mm ² /s	DIN 51 562
pH value (3%)	9,1		DIN 51369
Corrosion test (4%)	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 effect, effective corrosion protection
- long service life, low foam
- no conglutinating residues

Applications:

eni aquamet SGM is a universal coolant solution for all moderately severe and severe grinding processes of steels and cast iron. The solutions can be used for ceramic and plastic bonded grinding discs, not to be used for magnesite bonded discs.

Recommended application concentration: 4 - 5%

Factors: Refractometer: 1,7

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.