



eni aquamet SGZ

eni aquamet SGZ is a mineral oil free, water soluble cooling lubricant concentrate of alkanolamine soaps, higher molecular carboxylic acids, modified glycols and tensides.

Characteristics (typical figures):

eni aquamet SGZ		Unit	Test method
Density (15 °C)	1,10	g/cm ³	DIN 51 757
Viscosity (20°C)	20,0	mm ² /s	DIN 51 562
pH value (4%)	8,8 -9,0		DIN 51369
Corrosion test (4%)	0-0	Corr.-grade	DIN 51360 T.2

Properties and Performance:

- good cooling properties, good observability of the grinding operation
- very good rinsing efficiency
- long application service life
- no sticky residues
- suitable for most difficult grinding operations

Applications:

eni aquamet SGZ is forming transparent solutions in every mixing proportion with water, especially suitable for grinding of glass material. The application concentration should not be less than 4% and should be kept constant at 4 – 5%. Due to their low surface tension solutions at higher concentrations tend to foam formation.

Recommended application concentration: 4% – 5%

Factors: Refractometer 2,0

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.