



# eni aquamet SBH

**eni aquamet SBH** is a clear, water soluble, low foaming, mineral oil, heavy metal and boric acid free EP cooling lubricant. High grinding quality due to fully synthetic anionic and non-ionic lubricant components and highly effective corrosion inhibitors.

## Characteristics (typical figures):

eni aquamet SBH		Unit	Test method
Density at 15°C	1110	kg/m <sup>3</sup>	DIN 51 757
Viscosity at 20°C	190	mm <sup>2</sup> /s	DIN 51 562
pH value (5%)	9,1		DIN 51369
Corrosion test (4%)	0-0	Korr.-Grad	DIN 51360 T.2

## Properties and Performance:

- good cooling properties, good observation of the grinding process
- very good wetting and rinsing efficiency, effective corrosion protection
- long application service life, absolutely low foam tendency
- no sticky residues
- suitable for extremely soft water
- most difficult grinding operations are accomplished

## Applications:

**eni aquamet SBH** is a coolant solution especially for the grinding of cast iron, tempered and hardened steel and free cutting steel. The pH value should not be lower than 8,6. Recommended measures have to be started at deviations.

Recommended application concentration: 3 - 5% depending on the material

Factors: Refractometer - 1,4

## 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.