



eni aquamet 4 HS-BAF

eni aquamet 4 HS-BAF is a water miscible, mineral oil containing, chlorine free high-performance cooling lubricant, universally applicable.

Characteristics (typical figures):

eni aquamet 4 HS-BAF		Unit	Test method
Total oil content	50	%	
Density at 15°C	937	kg/m ³	DIN 51 757
Viscosity at 20°C	130	mm ² /s	DIN 51 562
pH value (5%)	8,9		DIN 51369
Corrosion test (5%)	0-0	Corr.-grade	DIN 51360 T.2

Properties and Performance:

- very low foaming cooling lubricant emulsion with selected EP additives
- very good wetting and rinsing effect, highly effective corrosion protection
- long service times

Applications:

eni aquamet 4 HS-BAF is suitable for all moderately severe and severe machining of cast iron, steel and non-ferrous metals, especially for aluminium (reaming, thread forming) in single machines, machining centers and central systems.

Recommended application concentration:

Machining of steels, non-ferrous materials: 5% - max. 10%

Aluminium processing: 7% - 10%

Grinding: 4% - 5% depending on the material

Factors: Refractometer - 1,0

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.