



eni aquamet AY ABF

eni aquamet AY ABF is a water miscible, mineral oil containing cooling lubricant, universally applicable.

Characteristics (typical figures):

eni aquamet AY ABF		Unit	Test method
Mineral oil content	30,0 wt%		
Density (20° C)	0,992	g/cm ³	DIN 51 757
Viscosity (20° C)	133,0	mm ² /s	DIN 51 562
pH (5%)	8,7 – 8,8		DIN 51369
Corrosion test (6%)	0-0	Corr.-grade	DIN 51360 T.2

Properties and Performance:

- good cooling and lubricating properties
- high stability
- very low foaming tendency
- long emulsion service life
- fine-particle emulsion

Applications:

eni aquamet AY ABF is universally applicable up to severe machining processes of steel, aluminium and suitable for the processing of non-ferrous metals. In water up to 60°dH this product forms a fine particle, stable emulsion. It has a very low foaming tendency, so no foam problems have to be expected, also when mixing with soft water (approx. 5°dH).

Recommended application concentration:

- General machining
starting with 6% / can be increased according to the machining up to 15%
- Grinding
starting with 4% according to the material

Factors: Refractometer 1,3 per °Brix

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.

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The BGR/GUV-R 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.