PRODUCT DATA SHEET

eni aquamet AY ABF - FAD

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

Characteristics (typical figures):

aquamet AY ABF - FAD		Unit	Test method
Mineral oil content	30,0 wt%		
Density (20 ºC)	0,993	g/cm^3	DIN 51 757
Viscosity (20ºC)	105	mm²/s	DIN 51 562
pH (5%)	9,1		DIN 51369
Corrosion test (6%)	0-0	Corr.-grade	DIN 51360 T.2

Properties and Performance:

- good cooling and lubrication properties
- high stability
- very low foam
- stable emulsion with the preparation of water from 5°dH to 30°dH
- stable against hard water in the application up to approx. 60°dH
- long emulsion service life
- fine disperse emulsion
- free of formaldehyde releasing agents

Applications:

eni aquamet AY ABF - FAD is universally applicable up to severe machining processes of steel, aluminium and for the processing of non-ferrous metals. In water from 5°dH to 30°dH the product is forming a fine disperse, stable emulsion. It has very low foam tendency, therefore no foam problems have to be expected, even when using soft water (approx. 5°dH).

Recommended application concentration:

General machining:	starting with 6% / can be increased up to 15% according to the machining
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 (professional society) - 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.