



eni aquamet HD EP FAD

eni aquamet HD EP - FAD is a water miscible, mineral oil containing, chlorine free, formaldehyde separator free, high-performance cooling lubricant with special polar agents.

Characteristics (typical figures):

eni aquamet HD EP FAD		Unit	Test method
Total oil content	40	%	
Density (15°C)	974	kg/m ³	DIN 51 757
Viscosity (20°C)	173	mm ² /s	DIN 51 562
pH value (5%)	9,4		DIN 51369
Corrosion test (5%)	0-0	Corr.- grade	DIN 51360 T.2

Properties and Performance:

- low foam cooling lubricant emulsion with selected EP additives
- very good wetting and rinsing properties, highly efficient corrosion protection
- meets the TRGS 611
- long operation times due to permanent buffering, extraordinary ph-value stability
- suitable for very high pressures

Applications:

eni aquamet HD EP - FAD is a universally applicable cooling lubricant for all medium severe and severe machining operations of aluminium, steels and cast iron, suitable for high water hardness. Generally the tendency to stain formation should be checked before machining aluminium alloys.

Recommended application concentrations:

- normal operation processes 5,0% +/- 1%
- severe machining 7,0% - 10 %
- grinding 4,0%
- Factors: Refractometer 1,1

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 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.