PRODUCT DATA SHEET

eni aquamet evolution

eni aquamet evolution is a water miscible, mineral oil and chlorine free cooling lubricant, universally applicable.

Characteristics (typical figures):

eni aquamet evolution	Unit	12	46	Test method
Density at 20°C	kg/m³	890	940	DIN 51 757
Viscosity at 40°C	mm²/s	12	46	DIN 51 562
pH value 5%		7,2	7,2	DIN 51369

Properties and Performance:

- suitable for the production of very low foaming cooling lubricant emulsions
- free of mineral oil
- low skin stress
- very good wetting and rinsing efficiency
- very good lube performance
- cooling lubricant of the newest generation

Applications:

eni aquamet evolution is multifunctional oil which is added to existing water mixed operation emulsions for improvement of the lube performance in the concentration 1 to 5%. As lube component for the aquamet evolution system the product is used according to the requirements in the concentration 1 to 15%.

Recommended application concentration:

Multifunctional oil: 1% - 5%
Lube component aquamet evolution: 1% - 15%
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.