



eni aquamet evolution basic

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

Characteristics (typical figures):

| eni aquamet evolution basic | | Unit | Test method |
|-----------------------------|------|--------------------|---------------|
| Density at 20°C | 1120 | kg/m ³ | DIN 51 757 |
| Viscosity at 40°C | 48 | mm ² /s | DIN 51 562 |
| pH (4%) | 9,1 | | DIN 51369 |
| Corrosion test (4%) | 0-0 | Corr.-grade | DIN 51360 T.2 |

Properties and Performance:

- suitable for the production of very low foaming cooling lubricant emulsions
- low skin stress at 4% solution
- very good wetting and rinsing efficiency, highly efficient corrosion protections
- long service times
- cooling lubricant of the newest generation

Applications:

eni aquamet evolution basic is a multifunctional additive which is added for the improvement of existing water mixed operation emulsions concerning stability, corrosion protection, washing activity etc. in a concentration of 1%. As basic component for the aquamet evolution system it is used in a concentration of 4%.

Recommended application concentration:

Multifunctional additive: 0,5% - 2%

Basic component aquamet evolution: 4% - 5%

Factors: Refractometer - 1,0 Titration (0,5 N HCL): 3,5

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.