



eni aquamet TF

eni aquamet TF is a water miscible, mineral oil containing, heavy metal free cooling lubricant.

Characteristics (typical figures):

eni aquamet TF	Unit		Test method
Colour		Brown	DIN ISO 2049
Density at 20°C	kg/m ³	942	DIN 51 757
Viscosity at 20°C	mm ² /s	ca. 150	DIN 51 562
pH-value (5%ig)		8,8	DIN 51 369
Mineral oil content	Gew. %	ca. 66%	
Corrosion test (5%-ig)	Corr.-grade	0	DIN 51 360/II

Properties and Performance:

- good cooling and lubrication properties
- high stability
- low foam
- long emulsion service life
- fine particle emulsion

Applications:

eni aquamet TF is universal applicable up to heavy machining processes of steel, aluminium and non-ferrous metal. The emulsion has proven to be very skin friendly.

Recommended application concentration:

General machining starting with 5 %
 Grinding starting with 4% depending on the material

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.