



# Eni aquamet LAK-E - FF

**Eni aquamet LAK-E - FF** is a water miscible, mineral oil and chlorine free cooling lubricant, universally applicable.

## Characteristics (typical Values):

eni aquamet LAK-E - FF		Unit	Test method
Density (15 °C)	990	kg/m <sup>3</sup>	DIN 51 757
Viscosity (20°C)	50	mm <sup>2</sup> /s	DIN 51 562
pH value (5%)	9,2		DIN 51369
Corrosion test (6%)	0-0	Corr.-grade	DIN 51360 T.2

## Properties and Performance:

- very low foaming cooling lubricant emulsion
- forms stable emulsions with water from 5°d to 60°d
- very good wetting and rinsing properties, highly efficient corrosion protection
- long service times due to a special emulsifier system
- cooling lubricant of the newest generation
- boric acid free, amine containing cooling lubricant
- formaldehyde separator free

## Applications:

**Eni aquamet LAK-E – FF** is an universally applicable cooling lubricant for all medium severe and severe machining operations of aluminum, steel and cast iron. This product fulfills the requirement for an high performance, very stable cooling lubricant.

### Recommended application concentrations:

- Steel/ aluminium working: starting with 5,0% - 12%
- Grinding: Starting with 4,0%
- Factors: Refractometer - 1,3

## 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. 128/5000

The DGUV regulation 109-003 - Activities with cooling lubricants (previously: BGR / GUV-R 143) - must be used for safe handling. For specific technical questions please contact our technical department. Get information in reference to our training seminar about the subject cooling lubricants.