



# eni aquamet LAK-M

**eni aquamet LAK M** is a water miscible, mineral oil containing, chlorine free cooling lubricant, universally applicable.

## Characteristics (typical figures):

eni aquamet LAK-M		Unit	Test method
Density/20°C	958	kg/m <sup>3</sup>	DIN 51 757
Viscosity at 20°C	240	mm <sup>2</sup> /s	DIN 51 562
pH value (5%)	9,1		DIN 51369
Corrosion test (5%)	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 new emulsifier system
- cooling lubricant of the newest generation

## Applications:

**eni aquamet LAK M** is a universal cooling lubricant for all moderately severe and severe machining processes of aluminium, steel and cast iron.

This product of the most modern generation meets all requirements on an efficient, very stable cooling lubricant with high performance.

### Recommended application concentrations:

Steel/Aluminium processing: starting with 5,0% - 12%

Grinding: starting with 4,0%

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.