



# eni aquamet LMX - EP

**eni aquamet LMX - EP** is a mineral oil containing, water emulsifying cooling lubricant concentrate for the general machining.

## Characteristics (typical figures):

eni aquamet LMX -EP		Unit	Test method
Total oil content	ca. 30	%	
Viscosity (20°C)	170	mm <sup>2</sup> /s	DIN 51 562
pH value (5%)	9,5		DIN 51369
Corrosion test (5%)	0-0	Corr.- grade	DIN 51360 T.2

## Properties and Performance:

- boric acid free, amine containing cooling lubricant
- free of formaldehyde cleavage
- polar lubricity improver allow the processing of aluminium
- very good technical stability and thus long emulsion operation times
- stable and low foam emulsion with waters of 5°dH to 30°dH

## Applications:

**eni aquamet LMX - EP** is a water emulsifying cooling lubricant concentrate for the general machining such as turning, milling, drilling and sawing of cast iron, alloyed as well as unalloyed steels, aluminium and partially non-ferrous metals.

Due to a special and high-quality emulsifier system, modern technology and excellent lubricant components **eni aquamet LMX – EP** is versatile applicable. The product is successfully applied in soft and hard water.

Recommended application concentration according to application and material:

- general machining starting 5,0%
- severe machining starting 10 %
- Refractometer factor 1,1

## 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.