



eni aquamet LCZ

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

Characteristics (typical figures):

eni aquamet LCZ		Unit	Test method
Density/20°C	1000	kg/m ³	DIN 51 757
Viscosity at 20°C	40	mm ² /s	DIN 51 562
pH value (5%)	9,1		DIN 51369
Corrosion test (5%)	0-0	Korr.-Grad	DIN 51360 T.2

Properties and Performance:

- very low foaming cooling lubricant emulsion
- forms stable emulsions with water from 5°d to 50°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 LCZ is a universal cooling lubricant for all moderately severe and severe machining processes of aluminium, steel and cast iron, especially suitable for demanding grinding operations.

Recommended application concentrations:

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

Grinding: starting with 3,0% - 5,0%

Factors: Refractometer - 1,6

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.