



Eni Ulex 100

Eni Ulex 100 is a water miscible, mineral oil containing, chlorine free cooling lubricant, universally applicable.

Characteristics (typical figures):

Eni Ulex 100	Unit	Value	Test method
Total oil content	%	80	
Density at 15°C	kg/m ³	902	DIN 51 757
Kin. Viscosity at 20°C	mm ² /s	140	DIN 51 562
pH value (5%)	-	9,2	DIN 51 369
Corrosion test (10%)	Corr.-grade	0-0	DIN 51 360 T.2

Properties and Performance:

- good stability and corrosion protection
- very good cutting efficiency
- does not contain silicone oils
- boric acid and amine free
- low chemical hazard potential for the skin
- good compatibility with lacquers and elastomers

Applications:

Eni Ulex 100 suitable for normal up to heavy machining, all types of chip removal processes, including grinding as well as for the machining of copper non-ferrous metals.

Recommended application concentration:

- Normal working processes: 5% +/- 1%
- Difficult machining operations: 7,0% - 10%
- Grinding: 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 BGR/GUV-R 143 (professional society regulation) - operations with cooling lubricants - has to be observed for a safe operation.

For specific technical questions please contact our technical department. Get information in reference to our training seminar about the subject cooling lubricants.