PRODUCT DATA SHEET

# eni aquamet SBF

**eni aquamet SBF** is a clear, water soluble, low foaming, mineral oil, heavy metal and boric acid free EP cooling lubricant. High grinding quality due to fully synthetic anion and non-anion lubricity components and highly effective corrosion inhibitors.

## Characteristics (typical figures):

| eni aquamet SBF | | Unit | Test method |
|---|---|---|---|
| Density at 15°C | 1130 | kg/m³ | DIN 51 757 |
| Viscosity at 20°C | 50 | mm²/s | DIN 51 562 |
| pH value (3%) | 9,1 | | DIN 51369 |
| Corrosion test (3%) | 0-0 | Corr.-grade | DIN 51360 T.2 |

## Properties and Performance:

- good cooling properties, good observation of the grinding process
- very good rinsing efficiency, effective corrosion protection
- long application service life
- no sticky residues

## Applications:

**eni aquamet SBF** is a coolant solution especially for grinding of cast iron, tempering and hardened steel, free cutting steel and non-ferrous metals. The pH value should not be lower than 8,6 and not higher than 9,4. Recommended measures have to be started at deviations.

Recommended application concentration: 3 - 5% depending on the material

Factors: Refractometer - 1,4

## 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.