

## UNICOOL MIKRO 40P

### GENERAL FEATURES:

Unicool Mikro 40P is a semi-synthetic cooling agent that forms microemulsion with water. It contains anionic and nonionic surfactants, innovative corrosion inhibitors, anti-foaming agents and forms stable microemulsions.

### APPLICATION:

Unicool Mikro 40P is intended for use in typical machining processes, such as turning or milling, as well as forming and grinding. It is suitable for low- and high-pressure CNC systems. It can be used in both central systems and individual machines. Suitable for use with:

- Cast iron
- Iron alloys and stainless steel
- Aluminium alloys
- Plastics Recommended concentrations:

Standard machining (turning, milling): light-duty machining 3%, medium-duty machining 5-6%

Grinding: light-duty machining 1.5-2%, medium-duty machining 3-5%

Stamping, forming: light-duty machining 3-4 %, medium-duty machining 5-6%

Boring: light-duty machining 4-5%, medium-duty machining 8-10%. Storage conditions:

The product must be stored in temperatures between +10oC and +30oC in its original packaging, protected against dust, sub-zero temperatures and overheating.

PARAMETERS	UNIT	TYPICAL VALUES
Kinematic viscosity at 40°C	mm <sup>2</sup> /s	15,8
Density at 20°C	g/cm <sup>3</sup>	1,015
5% emulsion in water at 150N water hardness Appearance of the emulsion at 20°C	-	Transparent to opalescent liquid
Corrosion protection on steel plates by Herbert's and Ford's method	-	H0/F0
pH	-	9,4
Stability of the emulsion after 24 hours at 50°C	-	1A/1R/ maintained

**NOTE:**  
Physicochemical parameters listed in the table are typical values. Real values are stated in quality control certificates attached to each product lot.

