



UNICOOL MIKRO 40PS

GENERAL FEATURES:

UNICOOL MIKRO 40PS is a semi-synthetic refrigerant that forms microemulsion with water. It contains anionic and nonionic surfactants, innovative corrosion inhibitors, anti-foaming agents and forms stable microemulsions.

APPLICATION:

UNICOOL MIKRO 40PS 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
- Aluminum alloys
- Plastics

UNICOOL MIKRO 40PS ensures good anti-corrosive protection of steel elements.

Machining light-duty medium-duty Standard machining (turning, milling) 3% 5-6% Grinding 1,5-2% 3-5%
Stamping, forming 3-4% 5-6% Drilling 4-5% 8-10%

Storage conditions:

Store the product at +10°C to +30°C in original packaging units, protecting against dust, frost and excessive heat.



Physical and chemical properties:

PARAMETERS	UNIT	TYPICAL VALUES
Concentrate: Kinematic viscosity at 40°C	mm ² /s	5,55
Density at 20°C	g/cm ³	1,013
5% emulsion in 15°N hard water: Emulsion appearance at 20°C	-	Clear to opalescent liquid
Herbert and Ford corrosiveness test on steel plates	-	H0/F0
pH	-	9,4
Emulsion stability at 24h/50°C	-	1A/1R/ maintains stability

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

