



TECHNICAL DATA SHEET

Multidraw CU UNI S

Water-miscible copper wire drawing agent for rod breakdown and intermediate drawing

PRODUCT DESCRIPTION

- + water-miscible cooling lubricant
- + with synthetic ester
- + with anionic and non-ionic surfactants
- + with inhibitors
- + excellent lubricating performance
- + low tendency to develop foam
- + very good protection against micro-organisms
- + good corrosion protection
- + very good electrolyte stability

CHARACTERISTICS

Density/15°C / DIN EN ISO 12185 960 kg/m³

Viscosity/40°C / ASTM D 7042 96 mm²/s

pH-value (10 % in distilled H₂O) / DIN 51 369 9.0

Conductance (10 % distilled water) 1650 µS/cm

APPLICATION

Multidraw CU UNI S is used for drawing copper wires in the rod break down and intermediate drawing. The product is characterized by its good lubricating performance.

The recommended operating temperature of the emulsion is between 35 °C and 40 °C.

Filtration: Practicable with all current paper belt filters.

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08/2019-29760-6

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WORKING CONCENTRATION

Rod break down: 10 - 17 %
Intermediate drawing: 4 - 8 %

PREPARATION OF THE EMULSION

The concentrate dissolves to a stable emulsion by pouring it continuously into water (temperature range approx. +10 °C to approx. +35 °C) and by stirring.

DETERMINATION OF THE CONCENTRATION

- a) Determination of the part of the water-miscible cooling lubricants separable with acid according to DIN 51 368 (testing apparatus for drilling oil, separation by hydro-chloric acid).
- b) with refractometer: Factor 1.1

STORAGE

Multidraw CU UNI S is stable at temperatures above 0 °C. Below 0 °C, it becomes viscous or even solid; however, after a longer storage period at room temperature, it regains its original consistency and can be used further without any problems.

MISCELLANEOUS

This product is dermatologically tested. An Epicutan-test confirms the good skin compatibility. We will send you the test certificate on request.

Benefit from our service, we will gladly advise you and develop individual application recommendations for your process. Please also note the material safety data sheet.

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