

# EASYCUT UNI301

## UNIVERSAL WATER-MISCIBLE SEMI-SYNTHETIC FLUID FOR CNC MACHINING



Mineral oil based concentrate UNI301 is designed for the machining of alloyed and non-alloyed steels, cast iron, titanium, aluminum alloys, and very limited yellow materials. Great cutting performance and stability.

### COMPOSITION FEATURES

- Does not contain boric acid
- Does not contain formaldehyde
- Contains secondary amines (DCHA)

### PRODUCT PROPERTIES AND ADVANTAGES

- Stable mixing of the emulsion with water hardness from 5° to 30°dH; During operation (accumulation of salts), an increase in water hardness up to 60°dH is allowed
- High corrosion protection characteristics
- Low foaming when using water of recommended hardness
- Good washability (clean equipment)
- A product with a high\* pH = increased stability

### TECHNICAL DATA

- Kinematic viscosity of the concentrate at 20°C, mm<sup>2</sup>/s: 120
- ≈Mineral oil content, %: 30
- pH of fresh 5% emulsion: 10.1\*
- Corrosion protection DIN 51360/2 (4%): corrosion degree 0
- **Refractometer factor, %/°Brix: 1.3**

### RECOMMENDATIONS AND FEATURES

- **EASYCUT UNI301** is suitable for the machining of most aluminum alloys and, to a limited extent, copper alloys.
- Recommended concentrations: Grinding: 4–6%

### SHELF LIFE AND STORAGE CONDITIONS

Stable for 12 months when stored at a temperature of 5 to 40 °C in unopened containers.

### COMMENTS

- Minor variations in color and appearance are possible due to the raw materials chosen. However, these have no influences on the functionality of the product.
- All information on safe and proper handling can be found on the MSDS
- Made in Germany

#### Coolant Calculator

Please use our on-line coolant calculator for top-up concentration math.



Full **EASYCUT** metalworking-fluids portfolio:



E4B2B GmbH (CNCmarket.de);  
Heisenbergstrasse 5, 10587, Berlin, Germany

The technical data are representative values.  
All recommendations are without obligation.

We reserve the right to change the contents of this document without prior notice.