

EASycUT BVR301

HIGH PERFORMANCE WATER-MISCIBLE SEMI-SYNTHETIC FLUID FOR CNC MACHINING

Mineral oil based concentrate BVR301 is designed for the machining of full scope of material from inconel to aluminum. Best cutting performance and great stability.



COMPOSITION FEATURES

- Does not contain boric acid
- Does not contain formaldehyde
- Contains secondary amines (DCHA)
- Contains bactericides
- Polar lubricity improves for better performance

PRODUCT PROPERTIES AND ADVANTAGES

- Stable mixing of the emulsion with water hardness from 10° to 30° dH; During operation (accumulation of salts), an increase in water hardness up to 150°dH is allowed
- High corrosion protection characteristics
- Low foaming when using water of recommended hardness
- Good washability (clean equipment)
- Polar lubricity improves and tight control of the in-use pH achieve optimum results when machining aluminum

TECHNICAL DATA

- Kinematic viscosity of the concentrate at 20°C, mm²/s: 150
- ≈Mineral oil content, %: 30
- pH of fresh 5% emulsion: 9,5
- Corrosion protection DIN 51360/2 (5%): corrosion degree 0
- **Refractometer factor, %/°Brix: 1.2**

RECOMMENDATIONS AND FEATURES

- Optimized for difficult-to-machine materials such as Inconel and Titanium.
- Passivation Note: On decorative aluminum surfaces, the formation of an active protective layer may temporarily alter the visual reflection (matte effect).
- Recommended concentrations: 7-12% depending on the severity of the operation.

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);
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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.