

# EASycut SYN291CO

## WATER-MISCIBLE SYNTHETIC FLUID FOR MACHINING OF CARBIDE AND CARBIDE TOOLS

Mineral oil-free, fully synthetic concentrate SYN291CO is designed for grinding and cutting of carbide and carbide tools. Avoids cobalt leaching.



### COMPOSITION FEATURES

- Does not contain boric acid
- Does not contain mineral oil
- Contains amines

### PRODUCT PROPERTIES AND ADVANTAGES

- Good technical stability
- Good cooling and detergency properties
- Universal coolant for both freestanding machines and central systems
- **Avoids cobalt leaching**

### TECHNICAL DATA

- Kinematic viscosity of the concentrate at 20°C, mm<sup>2</sup>/s: 14
- ≈Mineral oil content, %: 0
- pH of fresh 5% emulsion: 8.9
- Corrosion protection DIN 51360/2 (6%): corrosion degree 0
- **Refractometer factor**, %/°Brix: **1.5**

### RECOMMENDATIONS AND FEATURES

- To prepare a high-quality finely dispersed emulsion, it is recommended to use the automatic mixer device.
- For manual preparation, it is recommended to slowly add the concentrate to the water (not water to the concentrate), mixing evenly.
- The recommended concentration for Grinding: 4-6% .
- The concentration of the working emulsion is measured by a manual or electronic refractometer. To do this, the read value is multiplied by the **refractometer factor** of **1.5**.

### 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.

DESIGNED IN GERMANY

#### Coolant Calculator

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



Full **EASycut** metalworking-fluids portfolio:



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

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