

# STRUB Stabillo Cut FRT-B

Semi-synthetic cooling lubricant



Art.-No. 33129

## Description

Industry 4.0 is on everyone's lips and digitalization is in full swing. This calls for a digital lubricant, with future-oriented function as a design element. The new series of Strub Stabillo Cut is based on Future Resistant Technology (FRT). The novel technology characterizes this latest generation water-miscible cutting lubricant for tremendous performance.

STRUB Stabillo Cut FRT -B proves to have above-average stability and guarantees optimum cooling and lubricating effect due to its excellent wettability. Low-foaming behavior, excellent corrosion protection for workpiece, tool and machine round off the excellent properties of STRUB Stabillo Cut FRT -B.

### **Application**

Specially recommended for light to heavy machining and grinding operations.

The product is suitable for cast iron, steel and their alloys.

### Mixing ratio

Concentration	Refractometer reading	Effective concentration
- Grinding	Min. 3.6%	Min. 4%
- Turning	4.5% - 6.4%	5% bis 7%
- Drilling / Milling	5.5% - 8.2%	6% bis 9%
- Reaming	6.4% - 8.2%	7% bis 9%
- Thread cutting	7.3% - 9.1%	8% bis 10%
- Sawing	8.2% - 9.1%	9% bis 10%
- Deep hole drilling	8.2% - 9.1%	9% bis 10%

### Features and advantages

- universal application
- long tool life and good surface quality
- sustainably resistant
- high emulsion stability
- low foaming
- excellent corrosion protection
- low consumption and good wash-off behavior
- good skin compatibility
- exceptional demulsifying behavior
- no residues and sticking
- free of formaldehyde and chlorine

The information in this technical data sheet is based on general knowledge and application possibilities. STRUB + Co. AG is not liable for damage resulting from improper use of the products. The industry-standard measurement and production tolerances apply to the specified characteristic. Generally, no legal binding can be derived from these data. Our products are subject to continuous further development. Therefore, STRUB + Co. AG reserves the right to change all technical data in this data sheet at any time and without prior notice.

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#### **Technical data**

Appearance concentrate Density at 20°C Appearance emulsion 5% in tap water; 20 °dH Translucent - opaque Suitable hardness of the preparation water pH value 5% in tap water; 20 °dH Mineral oil content Factor Refractometer reading Corrosion test with GG25 chips; DIN 51360-2

Storage not below 7°C or above 40°C

Do not expose containers to direct sunlight. Should the cooling lubricant nevertheless be exposed for a short time to temperatures below 7°C or even in the freezing point range, the container should be stored for 3 days at room temperature and then the concentrate must be stirred vigorously until it is clear or homogeneous.

~ 9.5 33% 1.1 0/4

brownish

1.005 g/cm3

5 - 60 °dH

**Transport** 

ADR/SDR No dangerous goods

Disposal

LVA VeVA / EAK: Concentrate 12 01 07

Emulsion 12 01 09

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