

STRUB Stabillo Cut FRT-Multi

Semi-synthetic cooling lubricant



Art.-No. 33616

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-Multi 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-Multi.

Application

Specially recommended for light to heavy machining and grinding operations.

The product is suitable for multifunctional machining, such as aluminum, cast iron, steel and its alloys, titanium, brass, bronze, duplex, superduplex, Inconel, Hastelloy and many other alloys.

Features and advantages

- universal and multifunctional use
- boron-free
- long tool life and good surface quality
- high emulsion and pH stability
- low foaming
- excellent corrosion protection
- low consumption and good wash-off behavior
- good skin compatibility
- exceptional demulsifying behavior
- no residues and sticking
- high alkali reserve
- extremely resistant
- free of formaldehyde and chlorine

Mixing ratio

Concentration	Refractometer reading	Effective concentration
Grinding	Min. 4.0 %	Min. 4.0 %
Turning	4.0 % - 6.0 %	4.0 % - 6.0 %
Drilling / Milling	5.0 % - 7.0 %	5.0 % - 7.0 %
Reaming	6.0 % - 8.0 %	6.0 % - 8.0 %
Thread cutting	7.0 % - 9.0 %	7.0 % - 9.0 %
Sawing	8.0 % - 10.0 %	8.0 % - 10.0 %
Deep hole drilling	9.0 % - 11.0 %	9.0 % - 11.0 %

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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brownish 0.975 g/cm³

 $\sim 264 \text{ mm}^2/\text{s}$

 $\sim 94 \text{ mm}^2/\text{s}$

33 %

0/4

milky

~ 9.3

1.0 (multiply)

Technical data

Concentrate

Color

Density at 20 °C

Viscosity at 20 °C

Viscosity at 40 °C

Mineral oil content

Corrosion test with GG25 chips; DIN 51360-2

Emulsion

Appearance 5% in tap water

pH value 5% in tap water

Factor Refractometer reading

Do not store below 7°C or above 40°C

Do not expose the container to direct sunlight.

If the cooling lubricant has nevertheless been exposed to temperatures below 7°C or even in the freezing point range for a short time, the container should be stored at room temperature for 3 days and then the concentrate must be stirred vigorously until it is clear or

homogeneous.

Transport

ADR/SDR No dangerous goods

Disposal

LVA VeVA / EAK: Concentrate 12 01 07

Emulsion 12 01 09

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