

# 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.

# Mixing ratio

Concentration	Refractometer reading	Effective concentration
- Grinding	Min. 4%	Min. 4%
- Turning	4% bis 6%	4% bis 6%
- Drilling / Milling	5% bis 7%	5% bis 7%
- Reaming	6% bis 8%	6% bis 8%
- Thread cutting	7% bis 9%	7% bis 9%
- Sawing	8% bis 10%	8% bis 10%
- Deep hole drilling	9% bis 11%	9% bis 11%

### 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

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**

brownish Appearance concentrate Density at 20°C 0.975 g/cm3 Appearance emulsion; 5% in tap water; 20 °dH Opaque - milky pH value; 5% in tap water; 20 °dH ~ 9.3 Mineral oil content 33% 1.0 Factor refractometer reading Corrosion test with GG25 chips; DIN 51360-2 0/4

## 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

Concentrate LVA VeVA / EAK: 12 01 07

Emulsion 12 01 09

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