

STRUB Stabillo Cut FRT-Synt 4.1

Synthetic cooling lubricant



Art.-No. 33751

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 distinguishes this modern water-miscible cutting lubricant of the latest generation for enormous performance. STRUB Stabillo Cut FRT-Synt 4.1 is a synthetic, low-foaming, water-miscible cooling lubricant, which is characterized by the selection of synergistically acting additives. Due to the high bacterial resistance, which results in an above-average lifetime of the cooling lubricant, additional addition of biocides in the fight against microorganisms can be dispensed with. STRUB Stabillo Cut FRT-Synt 4.1 is free of boric acid, formaldehyde and -deposits.

Application

Recommended for light to heavy machining and can be used especially for flat, cylindrical, centreless and disc grinding. Suitable for a wide range of materials: aluminium, cast iron, steel, chrome steel and titanium. STRUB Stabillo Cut FRT-Synt 4.1 can only be used with demineralized water.

Mixing ratio

Concentration	Refractometer reading	Effective concentration
- bows	Min. 4.0%	Min. 6%
- turning	4.7 - 6 %	7 - 9
- Drilling, milling	4.7 - 6 %	7 - 9
- graters	5.4 - 6.7 %	8 - 10
- reaming	5.4 - 6.7 %	8 - 10
- saws	6.7 - 7.4 %	10 - 11
- deep-hole boring	6.7 - 8 %	10 - 12

Advantages

- Water Clear
- Outstanding cutting performance
- No residues in the machine and on the workpieces
- Designed for systems with high pressure and high cutting speeds
- Long tool life and good surface finish
- Bacteria resistant
- Low consumption (dry chips)
- Excellent rinsing behaviour
- Excellent corrosion protection
- Good skin tolerance
- Neutral odor
- Very low foaming

The information in this technical data sheet is based on general knowledge and possible applications. Strub + Co. AG is not liable for damage resulting from improper use of the products. The measurement and production tolerances customary in the industry apply to the characteristic data given. In general, no legal binding force 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.

Technical data

Appearance concentrate Density at 20°C Solution 6% in demineralized water pH value 6% in demineralised water Factor refractometer reading	yellowish 1.070 g/cm ³ transparent ~ 8.7 1.5 (multiply)
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

DisposalLVA VeVA / EAK: Concentrate 12 01 07
Solution 12 01 09

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