

STRUB Stabillo Cut Extreme

Universal Performance
Biostatic, semi-synthetic cooling lubricant

Art.-No. 31446

Description

Water-soluble cooling lubricant with a very universal character. In addition to low consumption (re-dosing), STRUB Stabillo Cut Extreme is biostatic, i.e. a good microorganism resistance against bacteria and fungi.

STRUB Stabillo Cut Extreme does not stick, has a high rinse-clean effect and can also be re-emulsified with water. STRUB Stabillo Cut Extreme is free of secondary amines, secondary amine releasers, formaldehyde or formaldehyde releasers, nitrite, nitrite releasers, organic chlorine compounds, PCB, PCT, PTBB, etc. and complies with TRGS 611.

Application

Universal use such as milling, turning, drilling and sawing on cast iron, various steels and aluminum 6000 and 7000 series. (No staining).

Copper corrosion test 40 °C / 3h 1b (pass).

Features and advantages

- high biostability
- low consumption and very good rinsing-cooling effect
- tested rust protection
- hard water resistant up to 35° dH
- low foaming tendency, even in soft water
- top price-performance ratio
- skin friendly

Mixing ratio

Concentration	Refractometer reading	Effective concentration
Grinding	Min. 2.7 %	Min. 4 %
Turning	3.3 % - 4.7 %	5 % - 7 %
Drilling / Milling	3.3 % - 4.7 %	5 % - 7 %
Reaming	4.0 % - 5.4 %	6 % - 8 %
Thread cutting	4.7 % - 6.0 %	7 % - 9 %
Sawing	4.7 % - 6.0 %	7 % - 9 %
Deep hole drilling	5.4 % - 6.7 %	8 % - 10 %

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.

Technical data

<p>Concentrate Appearance Density at 20 °C Viscosity at 20 °C Viscosity at 40 °C</p> <p>Emulsion Appearance 5% in tap water pH value 5% in tap water Factor refractometer reading</p> <p>Do not store below 7 °C or above 40 °C Do not expose containers 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.</p>	<p>Yellowish 1.015 g/cm³ ~ 116 mm²/s ~ 44.3 mm²/s</p> <p>Transparent - opaque ~ 9.4 1.5 multiply</p>
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Satisfied customers report

<p>Processing of</p> <p>Machine Content L Operation Tool life Other subject data</p>	<p>Steel 12</p> <p>Knoll 3 Central plant 40'000 l Milling of blades Tool life > 20 Flawless surfaces, very clean and pleasant odor despite cast machining. Skin friendly.</p>
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Transport

ADR/SDR No dangerous goods

Disposal

LVA VeVA / EAK: Concentrate 12 01 07
 Emulsion 12 01 09

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