

STRUB Stabillo Cut Extreme EP SW

Universal, biostatic, high-pressure cooling lubricant

Art.-No. 31735

Description

STRUB Stabillo Cut Extreme EP SW is an extreme pressure metalworking fluid. Excellent rinsing-cleaning effect (clean machines) as well as a very good foaming behavior even with soft water, show the strength of this cooling lubricant. Thanks to the fine droplet size, consumption (drag-out losses due to chips, parts and tools) is massively reduced. In addition to the low post-dosing, STRUB Stabillo Cut Extreme EP SW is biostatic, i.e., very good resistance to bacteria and fungi.

Free of secondary amines, formaldehyde or formaldehyde releasers, nitrite, nitrite releasers, PCB, PCT, PTBB, etc. and complies with TRGS 611.

Application

Universal use such as milling, turning, drilling, tapping 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
- low foaming tendency, even in soft water
- top price performance
- skin friendly
- no staining on aluminum alloys

Mixing ratio

Concentration	Refractometer reading	Effective concentration
Grinding	Min. 3.4 %	Min. 4.0 %
Turning	3.4 % - 5.0%	4.0 % - 6.0 %
Drilling / Milling	3.4 % - 5.0 %	4.0 % - 6.0 %
Reaming	4.2 % - 5.8 %	5.0 % - 7.0 %
Thread cutting	5.0 % - 6.7 %	6.0 % - 8.0 %
Sawing	5.0 % - 6.7 %	6.0 % - 8.0 %
Deep hole drilling	5.8 % - 7.5 %	7.0 % - 9.0 %

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.

STRUB + Co. AG Mühlemattstrasse 5 phone +41 62 785 22 22 strub@strub-lube.ch
Swiss Tribology CH-6260 Reiden fax +41 62 785 22 33 www.strub-lube.ch

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brownish 1.015 g/cm³

 $\sim 186 \text{ mm}^2/\text{s}$

 $\sim 66.5 \text{ mm}^2/\text{s}$

milky

~ 9.4

1.2 (multiply)

Technical data

Concentrate

Color Density at 20 °C

Viscosity at 20 °C

Viscosity at 40 °C

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 06

Emulsion 12 01 08

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STRUB + Co. AG Swiss Tribology Mühlemattstrasse 5 CH-6260 Reiden phone +41 62 785 22 22 fax +41 62 785 22 33 strub@strub-lube.ch www.strub-lube.ch

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