

STRUB Stabillo Cut 2 EP SW

Biobalanced Ultra High Performance Multifunctional cooling lubricant for soft water



Art.-No. 31334

Description

STRUB Stabillo Cut 2 EP SW is a biobalanced, highly additivated cooling lubricant with excellent EP (extreme pressure) properties.

Due to the biobalanced concept, a balanced, natural bio-flora is formed, which results in an almost unlimited lifetime of the coolant. This means that the use of highly hazardous bactericides in the fight against microorganisms can be dispensed with.

STRUB Stabillo Cut 2 EP is free of secondary amines or their derivatives, nitrite releasers, PBC, PCT, PTBB, and heavy metals. (Complies with TRGS 611).

Application

For all machining operations and in particular: Threading, reaming (Mapal), punching, drawing for all materials as well as aluminum, stainless steel, highest alloyed and hardened steels including non-ferrous metals.

Features and advantages

- excellent cutting performance (very good workpiece surfaces)
- very good penetration, rinsing and washing properties
- skin-friendly due to low pH range (8.8)
- no need to add toxic bactericides or fungicides due to selective, natural microorganism flora
- very economical, as the product can be used again and again
- increases the service life of the tools
- very low foaming
- suitable for high spindle speeds and for high pressure pumps
- for soft water range from 0°dh

Mixing ratio

Concentration	Refractometer reading	Effective concentration
- Turning	5.6% - 6.7%	5% - 6%
- Drilling / Milling	7.8% - 8.9%	7% - 8%
- Reaming	8.9% - 11.1%	8% - 10%
- Thread cutting	8.9% - 11.1%	8% - 10%
- Sawing	8.9% - 11.1%	8% - 10%
- Deep hole drilling	8.9% - 13.3%	8% - 12%

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

Appearance concentrate

Density at 20°C

Emulsion type 5% in tap water pH value 5% in tap water

Factor refractometer reading

Brownish 0.984 g/cm³ Opaque ~ 9.6 0.9 (multiply)

Do not store below 7°C or above 40°C.

Do not expose containers to direct sunlight.

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

Satisfied customers report:

Editing Steel: 1.4301 (X5CrNi18-10 / X4CrNi18-10), 1.4303 (X5CrNi18-12

/ X4CrNi18-12), 1.4304 (X12CrMoS17 / X14CrMoS17), 1.4305 (X10CrNiS18-9 / X8CrNiS18-9), 1.0737 (11SMnPbTe37), 1.1191 (Ck45 / C45E), 1.7225 (42CrMo4), 1.2312 (40CrMnMoS8-6),

1.0570 (St52-3 / S355J2G3), 1.0122 (S235 JRG2C), Aluminum: 3.2315 (Al Mg Si 1), 3.3547 (AlMg 4,5 Mn),

3.2381 (G-AlSi12),

Brass: 2.0401 (Cu Zn 39 Pb 3),

Cast iron: 0.6025 (EN-GJL-250 / EN-JL1040 / GG-25), 0.7040 (EN-GJS-400-15 / EN-JS1030 / GGG-40) 0.7050 (EN-GJS-500-7 / EN-JS1050 / GGG-50) 0.7060 (EN-GJS-600-3 / EN-JS1060 / GGG-60)

Machine Div. equipment up to 40bar pressure

Operation Milling, drilling, threading

Tool life > 20

Other subjects data Flawless surfaces, despite cast machining very clean and pleasant

odor. Skin friendly.

Transport

ADR/SDR No dangerous goods

Disposal

LVA VeVA / EAK: Concentrate 12 01 06

Emulsion 12 01 08

Note

Do not mix with other cooling lubricants as the bio-flora could be destroyed.

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