

# STRUB Stabillo Cut 2 EP

Biobalanced Ultra High Performance  
Multifunctional cooling lubricant for soft water



Art.-No. 30030

## Description

STRUB Stabillo Cut 2 EP 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, as a low pH range is possible (8.8)
- no toxic bactericides or fungicides have to be added due to a selective, natural microorganism flora
- very economical, as the product can be used again and again
- increases tool life
- 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.

### Technical data

<p>Appearance concentrate Density at 20°C Emulsion type 5% in tap water pH value 5% in tap water Factor refractometer reading</p> <p><b>Do not store below 7°C or above 40°C.</b> 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.</p>	<p>Brownish 0.984 g/cm<sup>3</sup> Opaque ~ 9.6 0.9 (multiply)</p>
---	--

### Satisfied customers report:

<p><b>Machining</b></p>	<p>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-AISI12), 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)</p>
<p><b>Machine Operation</b> <b>Tool life</b> <b>Other subject data</b></p>	<p>Div. equipment up to 40bar pressure Milling, drilling, threading Tool life &gt; 20 Flawless surfaces, despite cast machining very clean and pleasant odor. Skin friendly.</p>

### 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.

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.