

STRUB Stabillo Cut 1 SW

High-tech biobalanced cooling lubricant



Art.-No. 30271

Description

Universal, water-miscible cooling lubricant of the latest generation. Suitable for all machining operations. Due to the use of a special formulation, a selective, balanced biosystem is formed during use. This protects the emulsion from a negative, microbiological influence (bacterial attack, Monday morning odor).

Application

Universally applicable for all machining operations such as milling, turning, drilling, etc. in all materials.

Features and advantages

- very good cutting performance
- skin-friendly, as a low pH range is possible (8.8)
- due to a selective, natural microorganism flora no toxic bactericides or fungicides have to be added
- low-foaming product for normal water hardnesses
- low consumption
- economical

Mixing ratio

Concentration	Refractometer reading	Effective concentration
- Grinding	5.6% - 6.7%	5% - 6%
- Turning	6.7% - 7.8%	6% - 7%
- Drilling / Milling	7.8% - 10.0%	7% - 9%
- Reaming	8.9% - 11.1%	8% - 10%
- Thread cutting	11.1% - 13.4%	10% - 12%
- Sawing	11.1% - 16.7%	10% - 15%
- Deep hole drilling	11.1% - 16.7%	10% - 15%

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>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.</p>	<p>Brownish 0.945 g/cm³ Opaque - milky ~ 9.6 0.9 (multiply)</p>
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Satisfied customers report:

<p>Machining</p> <p>Machine Operation Tool life Other subject data</p>	<p>Steel machining 35%: Steel 37, CK 45, Stainless steel 1.4305, 1.4301</p> <p>Aluminum machining 45%: Aluminum 3.3547 (5083), Aluminum 3.3206 (6060)</p> <p>Casting machining 20%: GG20</p> <p>Matec 30 HV - 20bar pump pressure Drilling, milling, tapping, reaming, roughing, boring Tool life > 20 Flawless surfaces, despite cast machining very clean and pleasant odor. 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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