STRUB Stabillo Cut AF EP SW

High-tech biobalanced, water-miscible, amine- and bactericide-free cooling lubricant for high-performance machining and grinding operations, Soft water (SW)

Art.-No. 33207

Description

Water-miscible, amine-free cooling lubricant from the latest product line of Strub Swiss Tribology. Suitable for all machining operations, especially with high demands on the lubricating and cooling properties of the cooling lubricant. By using a specially developed biobalanced system, this cooling lubricant works without any added bactericides.

Application

STRUB Stabillo Cut AF EP SW is a universal product for all metal cutting operations such as grinding, tapping, drilling, turning and milling. STRUB Stabillo Cut AF EP SW is suitable for all metals such as steel, chromium, manganese and high alloy steels as well as for the aluminum 6000-7000 series.

Features and advantages

- excellent lubricating performance •
- skin-friendly due to a balanced pH range amine-free
- low foaming tendency, even in soft water (0° dH). •
- no control with bactericides and fungicides, because protected by a selective bacterial flora •
- low consumption, therefore economical •
- extended tool life •
- free of drilling acid •

Mixing ratio

Concentration	Refractometer reading	Effective concentration
Grinding	Min. 5.6 %	Min. 5.0 %
Turning	5.6 % - 7.8 %	5.0 % - 7.0 %
Drilling / Milling	6.7 % - 8.9 %	6.0 % - 8.0 %
Reaming	6.7 % - 8.9 %	6.0 % - 8.0 %
Thread cutting	6.7 % - 8.9 %	6.0 % - 8.0 %
Sawing	6.7 % - 8.9 %	6.0 % - 8.0 %
Deep hole drilling	8.9 % - 11.1 %	8.0 % - 10.0%

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.

fax



Ē



Technical data

Concentrate Color Density at 20 °C Viscosity at 20 °C Viscosity at 40 °C	Brownish 0.968 g/cm³ ~ 329 mm²/s ~ 96.7 mm²/s
Emulsion Appearance 5% in tap water pH value 5% in tap water Factor Refractometer reading	Opaque - transparent ~ 9.3 0.9 (multiply)
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.	

Satisfied customers report:

Processing of	Steel, aluminum 6082
Machine Content L Operation Properties	Reiden BFR 23 each 2'000 lt. Drilling, milling, thread cutting Good rinsing and demulsifying antifoam and anti-corrosion behavior (machined castings had no rust, even when stored inside over the weekend)
Water hardness Concentration Internal cooling	3° dH 5 - 7 % Brix over all 80 bar

Transport

ADR/SDR	No dangerous goods

Disposal

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

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.

phone +41 62 785 22 22 fax +41 62 785 22 33 strub@strub-lube.ch www.strub-lube.ch