

# STRUB Stabillo Cut Extreme EP

Universal, biostatic, high-pressure cooling lubricant

Art.-No. 31634

### **Description**

Water emulsifiable EP cooling lubricant with universal character.

Excellent flushing-cleaning effect (clean machines). Thanks to the fine emulsion 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 is biostatic, i.e., very good resistance to bacteria and fungi. Free of secondary amines, secondary amine splitter, formaldehyde or formaldehyde splitter nitrite, nitrite splitter, PCB, PCT, PTBB, etc. and complies with TRGS 611.

## **Application**

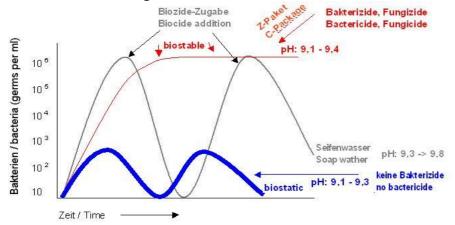
Universal use such as milling, turning, drilling and sawing on cast iron, various steels and aluminum 6000 and 7000 series. (No staining).

Copper corrosion test 40°C 3h 1b (pass)

Mixing ratio

Concentration	Refractometer reading	Effective concentration
- Grinding	Min. 3.1%	Min. 4%
- Turning	3.1% - 4.6%	4% bis 6%
- Drilling / Milling	3.1% - 4.6%	4% bis 6%
- Reaming	3.8% - 5.4%	5% bis 7%
- Thread cutting	4.6% - 6.2%	6% bis 8%
- Sawing	4.6% - 6.2%	6% bis 8%
- Deep hole drilling	5.4% - 6.9%	7% bis 9%

## 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 of aluminum alloy

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



#### **Technical data**

Appearance concentrate Density at 20°C Emulsion type 5% in tap water pH value 5% in tap water Factor Refractometer reading Brownish 1.04 g/cm3 opaque, milky ~ 9.4 1.3 (multiply)

#### 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.

Satisfied customers report:

Processing of Steel: 1.4021 (X20Cr13), 1.0037 (ST37-2/S235JR carbon steel),

ST-52 (killed steel), stainless and acid resistant steel: 1.4541 (X6CrNiTi18-10), 1.4301 (X5GcrNi18-10), mild steel: 1.0460 (C25),

cast steel: 1.0619 (GP240GH+N / GS-C25N), casting alloys: GG15 (EN GJL 150), GG20, GG25 (EN GJL 250), GG30, GGG40 (EN GJS 400-15), GGG50 (EN GJS 500-7), GMS60, GBZ10 Aluminum alloys: EN AW-2017A (AlSi12), EN AW-6060 (AlMgSi),

EN AW6082 AlMgSi1), EN AW-7022 (HABA Alu50), EN AW-7075 (AlZnMgCu1.5), EN AC-42100 (AlSi7Mg0.3).

Machine Milling center Norte Sprint 30 bar pump pressure

Content L 1500 lt.

Operation Drilling, milling, thread cutting, thread milling

Tool life > 20

Other subject data Flawless surfaces, very clean and pleasant odor despite cast iron

machining. Skin friendly.

**Transport** 

ADR/SDR No dangerous goods

Dispsal

LVA VeVA / EAK: Concentrate 12 01 06 Emulsion 12 01 08

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