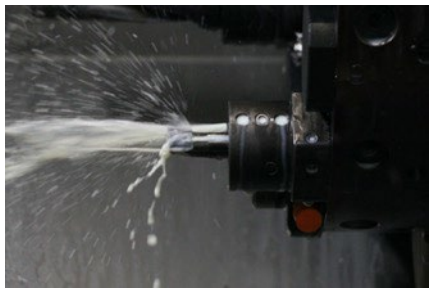
# STRUB Stabillo Cut FRT-Multi

Semi-synthetic cooling lubricant



**Art.-No. 33616**

## Description

Industry 4.0 is on everyone's lips and digitalization is in full swing. This calls for a digital lubricant, with future-oriented function as a design element. The new series of Strub Stabillo Cut is based on Future Resistant Technology (FRT). The novel technology characterizes this latest generation water-miscible cutting lubricant for tremendous performance. STRUB Stabillo Cut FRT-Multi proves to have above-average stability and guarantees optimum cooling and lubricating effect due to its excellent wettability. Low-foaming behavior, excellent corrosion protection for workpiece, tool and machine round off the excellent properties of STRUB Stabillo Cut FRT-Multi.

## Application

Specially recommended for light to heavy machining and grinding operations.
The product is suitable for multifunctional machining, such as aluminum, cast iron, steel and its alloys, titanium, brass, bronze, duplex, superduplex, Inconel, Hastelloy and many other alloys.

## Features and advantages

- universal and multifunctional use
- boron-free
- long tool life and good surface quality
- high emulsion and pH stability
- low foaming
- excellent corrosion protection
- low consumption and good wash-off behavior
- good skin compatibility
- exceptional demulsifying behavior
- no residues and sticking
- high alkali reserve
- extremely resistant
- free of formaldehyde and chlorine

## Mixing ratio

| Concentration | Refractometer reading | Effective concentration |
|---|---|---|
| Grinding | Min. 4.0 % | Min. 4.0 % |
| Turning | 4.0 % – 6.0 % | 4.0 % – 6.0 % |
| Drilling / Milling | 5.0 % – 7.0 % | 5.0 % – 7.0 % |
| Reaming | 6.0 % – 8.0 % | 6.0 % – 8.0 % |
| Thread cutting | 7.0 % – 9.0 % | 7.0 % – 9.0 % |
| Sawing | 8.0 % – 10.0 % | 8.0 % – 10.0 % |
| Deep hole drilling | 9.0 % – 11.0 % | 9.0 % – 11.0 % |



STRUB + Co. AG
Swiss Tribology
Mühlematttstrasse 5
CH-6260 Reiden
phone +41 62 785 22 22
fax +41 62 785 22 33
strub@strub-lube.ch
www.strub-lube.ch

## Technical data

| | |
|---|---|
| **Concentrate** | |
| Color | brownish |
| Density at 20 °C | 0.975 g/cm$^3$ |
| Viscosity at 20 °C | ~ 264 mm$^2$/s |
| Viscosity at 40 °C | ~ 94 mm$^2$/s |
| Mineral oil content | 33 % |
| Corrosion test with GG25 chips; DIN 51360-2 | 0 / 4 |
| **Emulsion** | |
| Appearance 5% in tap water | milky |
| pH value 5% in tap water | ~ 9.3 |
| Factor Refractometer reading | 1.0 (multiply) |
| **Do not store below 7°C or above 40°C**<br>Do not expose the container to direct sunlight.<br>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. | |

## Transport

ADR/SDR — No dangerous goods

## Disposal

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



STRUB + Co. AG
Swiss Tribology
Mühlematttstrasse 5
CH-6260 Reiden
phone +41 62 785 22 22
fax +41 62 785 22 33
strub@strub-lube.ch
www.strub-lube.ch