

## STRUB Vulcan CF 2000 Series

Evaporating high-performance cutting oils for ferrous and non-ferrous metals

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### Description

High-performance cutting oil based on synthetic base oils and state-of-the-art active ingredients. Due to the high evaporation rate, the machined parts are (virtually) dry after the process when a spray application is used.

### Application

Best suited for stamping, punching, light forming, turning, drilling, milling, sawing, threading, bending and profiling of sheet metal. For steel, aluminum, Cr-Ni and copper alloys as well as galvanized sheets. Especially suitable and tested for use on Rapid Centers.

### Features and advantages

STRUB Vulcan CF 2000 Series are free from chlorine, PCB, aromatics, heavy metals, amines and acids. Due to the composition, staining on aluminum and non-ferrous metals is not to be expected.

#### STRUB Vulcan CF 2000

Enables high dimensional stability, increases tool life and helps to achieve excellent surface finishes, as it contains additional EP additives.

#### STRUB Vulcan CF 2000 LR

Is higher additivated than CF 2000

#### STRUB Vulcan CF 2000 LRS

Highly additivated, contains AW, EP additives, 95 % residue-free evaporation.

#### STRUB Vulcan CF 2000 LRS-G

Highly additivated, contains AW, EP additives, less rapidly evaporating.

#### STRUB Vulcan CF 2000 PALM

Perforating, deforming galvanized rolled sheet, odorless, residue-free, light tinplate corrosion protection.

#### STRUB Vulcan CF 2000 I-FL

Stamping-drawing and forming oil for electrical sheet production. Meets IEC of low voltage switchgear, flash point > 100 °C.

#### STRUB Vulcan CF 2000/100

Cutting Fluid for cutting, punching, sawing, drilling, milling, bending and profiling, flash point >100°C.

#### STRUB Vulcan CF 2000/130 AI

Contains volatilizing lubrication improvers, evaporates almost residue-free. Especially for punching aluminum profiles. Flash point > 100 °C

#### STRUB Vulcan CF 2000 GT

Low-viscosity punching oil, evaporates without leaving residues.

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

| Vulcan CF        |                    | 2000             | 2000 LR          | 2000 LRS         | 2000 LRS-G       | 2000 PALM        | 2000 I-FL        | 2000/100                  | 2000/130 AI      | 2000 GT          |
|------------------|--------------------|------------------|------------------|------------------|------------------|------------------|------------------|---------------------------|------------------|------------------|
| Art. No.         |                    | 30396            | 30866            | 31189            | 31967            | 31612            | 32094            | 30289                     | 33174            | 32618            |
| Appearance       |                    | colorless, clear | colorless, clear | colorless, clear | colorless, clear | colorless, clear | colorless, clear | slightly yellowish, clear | colorless, clear | colorless, clear |
| Density at 20 °C | g/cm <sup>3</sup>  | 0.800            | 0.780            | 0.770            | 0.810            | 0.768            | 0.839            | 0.826                     | 0.812            | 0.755            |
| Density at 40°C  | mm <sup>2</sup> /s | 1.5              | 2.3              | 1.6              | 2.4              | 1.6              | 4.0              | 3.6                       | 4.2              | 1.9 at 25 °C     |
| Flashpoint       | °C                 | > 62             | > 62             | > 60             | > 60             | 62               | 105              | > 102                     | 130              | 46               |

## Transport

ADR/SDR No dangerous goods

## Disposal

LVA VeVA / EAK: 12 01 07

## Note

Keep away from sources of ignition.

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