

# rhenus TU 426

**Application** **rhenus TU 426** is a water-miscible, boric acid free, amine containing EP-metalworking fluid for the universal use.

**Benefits** **rhenus TU 426** is particularly characterized by:

- good corrosion protection
- good foam behaviour
- boron and biocide free
- high flushing effect

**Preparation** The emulsion is prepared by slowly pouring it into tap water provided while stirring thoroughly at the same time, or with the help of automatic mixers.

The optimal mixing temperature for the concentrate and preparation water is 15-20 °C. If the mixing water is too cold, the emulsion will become coarser.

**Technical datas**

Concentrate		Emulsion	
Viscosity 20 °C (mm <sup>2</sup> /s)	Content of mineral oil %	pH-value fresh preparation 8 %	Corrosion protection (DIN 51360/1)
approx. 114	approx. 22	9,5	5 %ig Note 0

**Refractometer factor** 1,5

The concentration of the operating emulsion can be determined with a hand-held refractometer. The value read in °Brix multiplied by the refractometer factor gives the concentration in %.

In case of older emulsions, reading is sometimes difficult due to the coarsening of the dispersity.

**Mixing suggestions**

Machining of steel, cast iron and high strength steels	from 8 %
Machining of Aluminum alloys	from 8 %
Grinding of steel	from 8 %

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## General information

For the application, please observe the applicable VDI guidelines 3035, 3397 sheet 1 – 3.

Protect from frost, heat and direct sunlight. Recommended storage and transport temperature: 5 - 40 °C

The information in this leaflet gives only general, non-binding orientation values that we have gained from our current knowledge during research and development as well as from applications under specific laboratory conditions. Under no circumstances do they contain an assurance of properties or a guarantee for the suitability of the product for the individual case.

The performance and properties of the product as well as the results achieved with it depend on the individual application and a large number of factors such as the working conditions and the system configuration and can vary considerably.

The information does not release the user from the responsibility for always checking the product for integrity, checking the suitability of the product for the individual case and testing it in an experiment, and using the product in accordance with the recommendations and specifications. If you have any questions about the use and suitability of the product, please contact our application engineering department.

Our products are subject to constant optimization processes. We therefore reserve the right to make changes to the composition and manufacture - provided that there are no customer-specific agreements to the contrary.

## Edition

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