

# rhenus TS 223 T

**Application** **rhenus TS 223 T** is a water-miscible, boric acid free, amine containing metalworking fluid for all light metal machining and grinding operations.

**Benefits** **rhenus TS 223 T** is particularly characterized by:

- good corrosion protection
- good foam behaviour

**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 5 %	Corrosion protection (DIN 51360/1)
ca. 145	ca. 24	9,8	6 %ig Note 0

**Refractometer factor** 1,3

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

**Mixing suggestions** Machining of steel, cast iron and non-ferrous metals from 6 %  
Grinding of steel from 6 %

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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

Rhenus cooling lubricants are free from organochlorine substances and nitrite. They contain natural raw materials. Therefore slight variations in colour and appearance, as well as minor sedimentation, are possible. This in no way affects the quality and function of the product.

The information given in this technical data sheet corresponds to the current state of knowledge of Rhenus Lub GmbH & Co KG. These depend on the individual application, the existing operating conditions and the machine configuration.

Therefore, the information provided is not legally binding and does not guarantee the suitability of the product. Rather, they serve as an initial orientation for the present process. We therefore always recommend an individual examination and evaluation of the existing requirements.

Our products are subject to constant optimization processes, so we reserve the right to make changes in composition and manufacture, with the exception of customer-specific agreements.

The product must always be checked for its integrity and used in accordance with the recommendations and specifications.

If you have any questions about the use and suitability of the product, please contact our application technology department.

## Edition

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