rhenus FU 855

rhenus FU 855 is a water-miscible, mineral oil containing EP metalworking fluid of the amine and boric acid-free generation. It offers a wide range of machining applications and maximum protection for operator and machine.

Benefits

rhenus FU 855 is characterized by:

- Universal applicability for almost all machining operations on materials
- Special suitability for machining sensitive aluminum alloys
- Good skin tolerance due to very low pH-value
- Good corrosion protection
- Low foam behaviour

Preparation

The operating emulsion is prepared by slowly pouring into drinking 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.

Technical Data

Concentrate		Emulsion	
Viscosity 20 °C (mm^2/s)	Mineraloil-content %	pH-Value 5 %	Corrosion protection (DIN 51360/2)
approx. 110	approx. 30	8,0	5 % Note 0

Refractometer factor

1,1

The concentration of the operating solution can be determined with a handheld refractometer. The value read in °Brix multiplied by the refractometer factor gives the concentration in %.

In the case of older emulsions, reading of exact °Brix could be difficult.

Mix suggestions

General machining 6 – 12 %

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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, nitrite and secondary amines.
They contain natural raw materials. Therefore, slight variations in color 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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