

RENOL BF-100 FDF

HIGH PERFORMANCE SYNTHETIC METALWORKING FLUID

PRODUCT DESCRIPTION

RENOL BF-100 FDF is a fully synthetic high-performance grinding fluid that does not contain any mineral oil. It forms a transparent solution with water. The product was specially developed for grinding work on iron and iron alloy materials.

RENOL BF-100 FDF is formulated with a balanced additive content consisting of chemicals to increase grinding performance as well as chemicals to protect against corrosion, foam and microorganisms.

RENOL BF-100 FDF does not contain any compounds that release nitrite, phenol, chlorine, boron and formaldehyde.

RENOL BF-100 FDF does not contain any easily nitrosable amines according to TRGS 611.

RENOL BF-100 FDF mixed with water produces a clear and transparent solution.

APPLICATION / USAGE

RENOL BF-100 FDF is suitable for grinding and processing iron and iron alloys. It can be used in individual machines or central systems.

Recommended concentrations:

Cutting: 4-6%

Grinding: 4-5%

ADVANTAGES / BENEFITS

- Excellent for grinding operations and machining processes
- Good visibility due to the transparent solution
Editing process
- Excellent wetting, cooling and rinsing properties
- Good corrosion protection
- Low tendency to foam even in high pressure systems
- Less susceptible to bacterial infestation and germ formation
- Chlorine, boron and formaldehyde free
- Keeps tools and machine tools clean
- No skin irritation due to adjusted pH value

STORAGE

Protect from direct sunlight and rain. Store in the original closed drums and in covered areas. Storage temperature should be between +5 and +40°C.

"The above information is derived from our quality checks. Given values are typical of current production. While future production will conform to our specification, variations in these characteristics may occur. Quality Control Analysis Report for to learn properties of the product that is supplied can give. It does not relieve the purchaser from examining product upon delivery and gives no assurance of the product for any particular purpose. Due to continual product research and development, the information contained herein is subject to change without notification."

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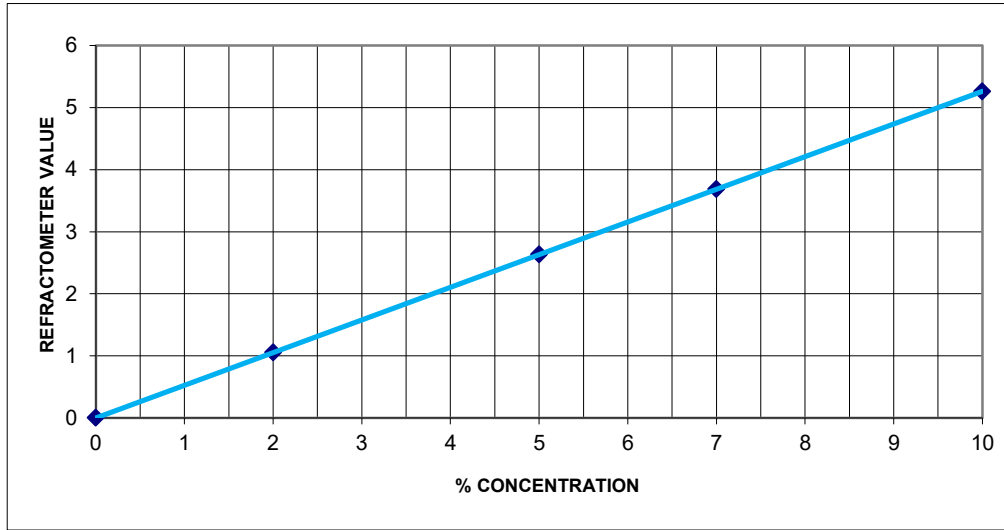
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TECHNICAL PROPERTIES	TEST VALUES	TEST METHOD
Appearance	Florentine, yellow	-
Solution Appearance (%5)	Florentine, clear	-
Density (20 °C, g/mL)	1,064	ASTM D 1298
pH (%5)	9,40	ASTM D 1287
Corrosion Test (5-10 °dH , %3, 2h)	0-0	DIN 51360/2
Refractometer Factor	1,9	Hand Refractometer

Concentration Control:

% Concentration	Refractometer Value
2	1,1
5	2,6
7	3,7
10	5,3



The data provided for the % concentration control is prepared according to the data obtained for the freshly prepared solution. As the utilization time of the solution and the undesired oil/contamination amount in the system increases, deviations from the data stated above should be taken into account.

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