

Aral Sarol NFM

Water miscible cutting fluid

Applications:

Aral Sarol NFM is a biostabile, chlorine and nitrite free, water miscible cutting fluid based on mineral oil. This product is formulated for processing copper, brass and other non-ferrous metal alloys. An efficient formulation and selective raw materials keeps Sarol NFM from a soap formation and therefore green discolouration of the emulsion is prevented. Soap deposits which cause bonding on machine and workpieces is prevented.

Aral Sarol NFM is free from secondary amines. As a result, a formation of stable nitrosamines is not possible. TRGS 611 is completely fulfilled.

This product has a long emulsion service life, good corrosion protection properties, good skin compatibility and is mild in odour.

Aral has successfully submitted this product to the strict requirements of the high-quality standard DIN EN ISO 9001. This certification gives you an additional safety assurance with this products quality and the service that can be expected from Aral.

Operational area:

Aral Sarol NFM is not only suitable for grinding, but also for machining operations on brass, copper and other non-ferrous metal alloys.

According to our experience, the optimal processing results can be achieved by using the following concentrations:

light to medium processing: 5 - 6%

Technical Data

Concentrate			
Colour			yellow
Density at 20 °C	g/ml	DIN 51757	0,915
Viscosity at 20 °C	mm ² /s	DIN 51562	115
Mineral oil content	%	DIN 51417	72,5
Emulsion			
pH value at 3%		DIN 51369	9,1
Corrosion protection			
Chip/filter paper	Korr. Grad.	DIN 51360-2	0 tb 4,0%

Remarks:

Preparation of the solution occurs by pouring into drinking water, and thoroughly stirring by hand or with the aid of automatic mixing device.

Refractometer factor: 0,9

All data is subject to development for the product and the production process.

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