

Aral Sarol 460 EP

Applications:

Aral Sarol 460 EP is a biostabile, mineral oil based, chlorine and nitrite free, water miscible cutting fluid. Through the high percentage of polar active substances, Aral Sarol 460 EP is applicable for the working of aluminum, non-ferrous metals and also alloys. This product is for general machining operations with steel and high-grade steel parts.

Aral Sarol 460 EP meets the requirements of TRGS 611.

Mixing with water gives a whitish, fine dispersive cutting fluid emulsions with high emulsion stability and long emulsion life. Furthermore, Aral Sarol 460 EP has non-ferrous metal inhibitors and a good skin compatibility.

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:

According to our experience, the following concentration adjustments are to be made to achieve optimal processing results:

Light to medium machining operations: 4-5 %

Medium to heavy machining operations: 6-10 %

Technical Data

Concentrate

Colour			gelb
Density at 20 °C	g/ml	DIN 51757	0,940
Viscosity at 20 °C	mm ² /s	DIN 51562	ca. 144
Mineral oil content	%	DIN 51417	ca. 50

Emulsion

pH value at 3%		DIN 51369	9,1
EP-value (Reichert) 10%	mm ²		26

Corrosion protection

Chip/filter paper	Korr. Grad.	DIN 51360-2	0 ab 6 %
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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: 1,0

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

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