



Alusol B

Premium Quality Soluble Cutting Fluid

Description

Castrol Alusol™ B is a high performance soluble chlorine free metalworking fluid. It contains a unique additive package that works in synergy to enhance machining performance and surface finish, provide excellent product stability, improve bio-resistance properties and lower the overall operations costs.

Alusol B is suitable for large central systems and single sump machines.

Application

Alusol B is especially designed for machining of aluminium alloys. The product can also be used for machining of low-medium alloyed steel.

	Cast Iron	Low-medium alloyed steel	High alloyed - stainless steel	Aluminium alloys	Magnesium alloys	Yellow metals
Grinding		◦	◦	◦		◦
Milling, Turning (general machining)	◦	◦◦	◦	◦◦◦		◦
Drilling	◦	◦◦		◦◦◦		◦
Reaming, Tapping	◦	◦◦		◦◦◦		◦
Broaching				◦◦		◦

Advantages

- Chlorine and nitrite free to fulfill your local legislation, waste treatment and environmental requirements
- Resists fungal and bacterial attack to extend fluid life and reduce maintenance and machine downtime
- Low foam in recommended water conditions
- Lubrication package specifically designed to enhance tool life and improve surface finish in aluminium machining
- Excellent wetting properties reduce coolant drag out and deliver clean machine tools and components

Typical Characteristics

	Test Method	Unit	Value
Concentrate			
Appearance	Visual		Amber
Mineral oil content	Calculated	Wt%	42
Emulsion			
Appearance	Visual		Translucent-Milky
pH (5%)	DIN 51369 ASTM E70-97		8,9
Refractometer Factor			1,0

Recommended Concentrations

Grinding	5-7%
General Machining	5-7%
Drilling	7-9%
Reaming and tapping	7-12%
Broaching	8-12%
Water range	100-600 ppm CaCO ₃

Additional Information

	Boron	Formaldehyde releasing agent	EP-Ester	Amines	Chlorine
Additives	•	•	•	•	-

Storage

To avoid product deterioration, keep the container/drum tightly sealed always. Prevent any frost and water ingress. Store it in a cool and dry place away from direct sunlight. It is preferable to store the product indoors always. For more details, please refer the product safety data sheet.

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Castrol Industrial, Technology Centre , Whitchurch Hill , Pangbourne , Reading , RG8 7QR , United Kingdom

www.castrol.com/industrial