

Product Data

Castrol 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%	47
Emulsion			
Appearance	Visual		Translucent
pH (5%)	DIN 51369 ASTM E70-97		8.8
Refractometer Factor			1.1

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

Recommended Concentrations

General Machining	4-7%
Drilling	7-9%
Reaming and tapping	7-10%
Broaching	8-10%
Water range	50-400 ppm CaCO ₃

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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