



Product Data

Almaredge™ CB

Soluble metalworking fluid

Description

Castrol Almaredge™ CB (previously called Cooledge™ CB) is a soluble metalworking fluid which is chlorine, boron and biocide free. It contains an additive package that works in synergy to enhance machining performance and surface finish.

Application

Almaredge CB is especially designed for machining of yellow metals.

Almaredge CB should be used in combination with a top up biocide package to insure long system life if non yellow metals alloys are machined.

ü ü suggested core application ü possible application, please consult Castrol representative prior to use

	Cast Iron	Low -Medium alloyed steel	High alloyed - Stainless steel	Aluminium alloys	Magnesium alloys	Yellow Metals
Grinding	ü	ü	ü	ü		ü ü
Milling, Turning (general machining)	ü	ü	ü	ü		ü ü
Drilling	ü	ü	ü	ü		ü ü
Reaming, Tapping	ü	ü	ü	ü		ü ü
Broaching				ü		ü ü

Advantages

- Boron free for environmental compliance and improved residue characteristics
- Chlorine and nitrite free to fulfill your local legislation, waste treatment and environmental requirements
- Resists fungal and bacterial attack in combination with a top up biocide package to extend fluid life and reduce maintenance and machine downtime
- Versatile product suitable for wide range of materials and operations
- Stable fluid suitable for a wide range of water conditions

Typical Characteristics

Name	Method	Units	Almaredge CB
<u>Concentrate</u>			
Appearance	Visual		Amber
Mineral oil content	Calculated	Wt%	80
<u>Emulsion</u>			
Appearance	Visual		Milky
pH (5%)	ASTM E70-97 / DIN 51369		7.4
Refractometer Factor			0.95

Subject to usual manufacturing tolerances.

Recommended Concentrations

Grinding	3-7%
General Machining	4-7%
Drilling	5-7%
Reaming and tapping	7-10%

Water range 100-400 ppm CaCO₃

Additional Information

	Boron	Formaldehyde releasing agent	EP-Ester	Amines	Chlorine
Additives					

Storage

To avoid product deterioration always keep the container/drum tightly sealed. Store the product in a cool, dry place away from direct sunlight. Prevent exposure to frost and avoid water ingress. For optimum product stability, it is preferable to store the product indoors between 5°C and 45 °C / 41°F and 113°F.

For more details, please refer the product safety data sheet

This product was previously called Cooledge CB. The name was changed in 2015.

Almaredge™ CB

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