

**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 steal	Aluminium alloys	Magnesium alloys	Yellow Metals
Grinding	ü	ü	ü	ü		üü
Milling, Turning (general machining)	ü	ü	ü	ü		üü
Drilling	ü	ü	ü	ü		üü
Reaming, Tapping	ü	ü	ü	ü		üü
Broaching				ü		üü

## **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			
Concentrate						
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 CaCO<sup>3</sup>

#### 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 20 Feb 2015

Castrol, the Castrol logo and related marks are trademarks of Castrol Limited, used under licence.

This data sheet and the information it contains is believed to be accurate as of the date of printing. However, no warranty or representation, express or implied, is made as to its accuracy or completeness. Data provided is based on standard tests under laboratory conditions and is given as a guide only. Users are advised to ensure that they refer to the latest version of this data sheet. It is the responsibility of the user to evaluate and use products safely, to assess suitability for the intended application and to comply with all applicable laws and regulations. Material Safety Data Sheets are available for all our products and should be consulted for appropriate information regarding storage, safe handling, and disposal of the product. No responsibility is taken by either BP plc or its subsidiaries for any damage or injury resulting from abnormal use of the material, from any failure to adhere to recommendations, or from hazards inherent in the nature of the material. All products, services and information supplied are provided under our standard conditions of sale. You should consult our local representative if you require any further information.

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

www.castrol.com/industrial